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PUBLIC MEETING SESSION
U.S. ARMY CORPS OF ENGINEERS
DRAFT LOWER SNAKE RIVER JUVENILE SALMON MIGRATION
FEASIBILITY REPORT/ENVIRONMENTAL IMPACT STATEMENT
WITH
FEDERAL CAUCUS CONSERVATION OF COLUMBIA BASIN FISH
"ALL-H PAPER"

CLATSOP COUNTY FAIRGROUNDS
92937 WALLUSKI ROAD
ASTORIA, OREGON
MULTI-PURPOSE ARENA/EXHIBIT HALL

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1 MR. RIC ILGENFRITZ: Let me explain what CRI is,
2 briefly. It's got three basic features:

3 One, it tries to establish baseline extinction risks
4 to give us a sense of how bad a shape these fish are in.

5 Second, as I alluded to earlier, it tries to do a
6 sensitivity analysis across all the life stages to give us a
7 sense of where to work for survival improvements, which phase
8 of that life cycle is liable to yield up the survival
9 improvements, or which combination.

10 Three, to do a feasibility analysis of actually
11 going out and getting those improvements.

12 What we published in the fish appendix for the Corps
13 of Engineers were the results for the Snake River stocks.
14 Since we've done that, we got initial returns back from the
15 Upper Columbia stocks and for the remaining Mid Columbia and
16 Lower Columbia stocks. We'll be publishing that information
17 by the end of this month.

18 Just to give you a sense of how this is working, I'm
19 just going to go through what we found for the Salmon
20 River stocks.

21 Starting with spring/summer Chinook, what we
22 determined is over the near term period, over ten years,
23 spring/summer Chinook are facing about ten percent
24 possibility extinction. Over a hundred years, it goes up to
25 30 percent. For some index populations, up to 50 percent.

1 For fall Chinook, a slightly different story.
2 Again, over that longer period, that goes up to 6 to 17
3 percent.

4 Then for steelhead, they're kind of in the middle.
5 In the near term, they're in pretty good shape because
6 they're very abundant. Over the long-term, their glide path
7 is extremely steep, a 90 percent risk of extinction.

8 We're taking a lot of questions on whether we set
9 the extinction threshold in the right place or not. Those
10 are legitimate questions. Some people think we're too
11 conservative; some people think we're not conservative
12 enough.

13 These fish are in very bad shape. This is a very,
14 very serious problem. If you look at the numbers we've got
15 for the Upper Columbia spring Chinook and steelhead, those
16 numbers are very similar to what you see there for steelhead,
17 90 to 95 percent extinction risks. That gives you a sense of
18 the baseline problem.

19 Where do we need to try to get to in order to
20 stabilize these populations? For spring/summer Chinook,
21 we're estimating if we can get a 12 to 15 percent improvement
22 in population growth rate, we can get the extinction risk
23 down to one percent over 100 years.

24 For fall Chinook, we're looking for a four percent
25 improvement in population growth.

1 For steelhead, we're looking for a ten percent
2 improvement in population growth.

3 Sensitivity analysis. Where do we actually go look
4 for these improvements? For spring/summer Chinook, we found
5 that the period of highest mortality is the first year of
6 life up in the spawning areas where they come out of the
7 gravel. Spring/summer Chinook rear in the upper tributaries,
8 they spend some time there before they start coming down the
9 river.

10 We're estimating, therefore, if we can secure
11 survival improvements during that first year of life by
12 improving the quality of spawning and rearing habitat, we
13 have a very real chance to make a contribution to recovery.

14 For fall Chinook -- before I leave spring Chinook.
15 With respect to harvest, that's not really as big a deal
16 because there really is no more commercial harvest on spring
17 Chinook. We're not looking to gain big benefits from
18 harvest.

19 Fall Chinook is a similar story. The highest period
20 of mortality is that first year of life. The difference here
21 is that fall Chinook spawn in the main stem of the river and
22 they come out of the gravel and they start heading right down
23 the river. They're not as well-developed, not as strong.

24 The hydrosystem impacts are significant. Once they
25 get through the hydrosystem, they spend a lot of time in the

1 estuary. We're, therefore, looking at the quality of estuary
2 habitat and what we need to do there to make sure these fish
3 have the habitat they need to make for the transition into
4 the ocean.

5 Steelhead, they kind of get beat up all the way
6 through. They're very abundant right now, so they get hit
7 pretty hard in harvest, but they also spawn way up in the
8 upper tributary, so they have to run a gauntlet of some very
9 degraded habitat.

10 That's a real quick look at what we're finding and
11 how we're trying to characterize the nature of the problem
12 these fish are facing.

13 What I'm going to do is run through the options
14 within each H and get into the alternatives.

15 We have three different options within each
16 lifestage. They all represent improvements on the status
17 quo. I'll briefly describe those. When I get to the
18 alternatives, what those are is packages of options. I have
19 four of those that basically define the spectrum of the ways
20 we could go.

21 You know, you all took high school math and you know
22 that there are many more different combinations of
23 alternatives you could put together. What I'm doing here is
24 just for illustrative purposes to give you a sense of what
25 the broad recovery strategies we're considering are. We want

1 to hear from you about how you think we ought to piece those
2 things together.

3 I'll start with habitat. Option number one for
4 habitat is to improve and prioritize federal actions, to
5 basically look at all the different agencies in the region
6 that have programs to address habitat, federal habitat,
7 non-federal habitat, coordinate those programs and those
8 budgets to ensure the maximum biological benefit to fish
9 irrespective of what's going on at the state level or local
10 level or tribal governments.

11 Option two is essentially option one plus a very
12 aggressive collaborative effort to try to weave together, if
13 you will, a recovery quilt that crosses jurisdictional lines
14 and addresses the needs of each subbasin where we have a
15 listed population. Again, a negotiated, collaborative
16 approach.

17 Then option three is if option one and option two
18 don't work, to take a much more aggressive enforcement or
19 regulatory approach using our Endangered Species Act, in the
20 case of EPA, Clean Water Act authority.

21 Within the harvest arena, three basic approaches
22 again.

23 One, we've referred to a fishery benefit during
24 recovery. In that instance, you'd have an abundance-based
25 fishery based on escapement goals. Once you have each of the

1 populations to the point where they're reaching their
2 escapement goals, you would allow fishing to happen.
3 Assuming you have the fish on a rebuilding trend, fishing
4 would increase as the populations rebuild.

5 Option two is a bit more aggressive. You'd fix
6 harvest levels where they are now and keep them there for a
7 period of time, five years, ten years, and get the biological
8 benefit of those increased escapements over that time, then
9 at some point in the future you'd go back to an
10 abundance-based approach.

11 Then the third and much more aggressive approach
12 there is to ratchet back harvest even more than it already has
13 been, reduce it to a conservation level where you are pretty
14 much allowing harvest where you know you don't have mixed
15 stock fisheries and you know what you're getting is hatchery
16 fish that are produced specifically for harvest.

17 The hatchery options more or less correspond to the
18 harvest options. Option number one is an incremental
19 approach to improving the quality of production hatcheries
20 over time. The Power Planning Council and some of the
21 federal agencies have engaged in a review of hatchery
22 production and have committed to a series of reforms.

23 Under this approach we would essentially allow those
24 reforms to happen incrementally over time, trying to improve
25 the performance and quality of the fish being produced at our

1 existing facilities.

2 Option two would be to go ahead and start doing
3 those reforms at the production hatcheries, but also to start
4 using conservation hatcheries where we know we have weak
5 stocks. For those of you who don't know, a conservation
6 hatchery differs from a production hatchery in that it's
7 designed to propagate a specific genetic strain of salmon or
8 steelhead in a specific location and produce returning adult
9 spawners as opposed to producing fish for harvest.

10 Then option three is the most aggressive. There
11 you'd move into your weak stock areas with conservation
12 hatcheries and you'd ratchet back production aggressively in
13 many places or specific places in order to try to minimize
14 the potential negative impacts of hatchery fish on wild fish.

15 Then within the hydrosystem, again, three options.

16 Option one is the current program. Again, this
17 represents an improvement on the status quo, the
18 hydro-division of our agency, the Corps of Engineers and
19 Bonneville, are contemplating a series of incremental
20 survival agencies in the coming year. The Colonel will go
21 through this in the presentation of the EIS.

22 We try to incrementally improve juvenile and adult
23 survival project by project and system-wide throughout the
24 migration corridor.

25 Option two differs from that in that you would

1 basically speed up the -- increase the amount of money you're
2 spending and speed up the timetable for implementing some of
3 the improvements contemplated under option one so you would
4 in effect be doing everything you could in the hydrosystem
5 short of breaching dams.

6 Then option three, of course, is to go ahead and
7 start work on removing the Lower Snake dams.

8 The alternatives. I'm going to run through these
9 again. These are four examples of how you could package
10 these options to represent recovery strategies.

11 Alternative one would emphasize breaching. You'd go
12 ahead and do the work on breaching the Snake dams and
13 continue to seek incremental improvements and reforms in the
14 other lifestages.

15 I'm talking fast, I'm going fast. If you have
16 questions that I haven't been able to cover here, please feel
17 free to step next door and you'll find somebody who can help
18 you out.

19 Option two differs from -- alternative two differs
20 from alternative one in the sense that it would be a
21 harvest-based strategy where you basically emphasize harvest
22 reductions first, seek incremental improvements elsewhere
23 within the system, and evaluate that over a period of time to
24 see how it was doing.

25 Alternative three is what we call aggressive

1 non-breach. This is a euphemistic reference to emphasizing
2 habitat. We would go into the tributaries and aggressively
3 try to negotiate habitat improvements, whether it's land use
4 or water use, land acquisition, repairing habitat
5 improvements, improvements or removal of in-river structures
6 in the tributaries, all those things you need to do to make
7 sure you have a good warm home for these fish to return to
8 and at the same time pursue incremental improvements within
9 the other lifestages.

10 Alternative four is called maximum protection.
11 That's essentially taking the most aggressive option within
12 each lifestage, shutting everything down as much as you can
13 and letting it ride for a period of time and hope you get to
14 recovery. You breach the dams, track back harvest, shut down
15 production hatcheries, you'd move forward with aggressive
16 enforcement of ESA and the Clean Water Act.

17 That's a snapshot of the science in the All-H Paper,
18 the options and alternatives that we've defined. Where we go
19 from here is we're developing a biological opinion for the
20 hydrosystem which will determine what hydrosystem operations
21 look like over the next period of years, and that will be a
22 document we'll look to release in early May, early to mid
23 May.

24 At the same time, we'll be revising this All-H Paper
25 on the same time frame to provide a recovery backdrop against

1 which that biological opinion will fit. Then thereafter
2 we'll move into a more aggressive recovery planning phase
3 where we'll use what we've done in the All-H Paper to start
4 scoping out recovery plans for each individual population of
5 salmon that's listed.

6 I want to thank everyone for being here. I want to
7 thank the panel for being here. I look forward to hearing
8 the testimony. Thank you very much.

9 COLONEL ERIC MOGREN: What I'd like to do now then
10 is run through the two studies that we're collecting
11 testimony on. The first being the Salmon River study, the
12 second is on the John Day drawdown. Both of these studies
13 were called for in the '95 biological opinion. I'm going to
14 start with the Salmon River study.

15 I want to start off by emphasizing that the Corps
16 has not yet reached a preferred alternative on whether the
17 dams should be in or out. Our intent to issue a revised
18 draft after we go through this public comment period,
19 probably sometime end of summer, early fall, that would
20 include a preferred alternative.

21 The timing on that will depend on the number and
22 nature and complexity of the comments we get during the
23 comment period. We're thinking probably September, October
24 time frame.

25 Primary objective in the study is to compare

1 alternatives for improved fish migration conditions through
2 the Lower Salmon River.

3 The study was comprehensive. I want to say we
4 started out with 15 or 20 different options that we boiled
5 down to major alternatives. All four of these were looked at
6 through engineering, biology, economic, social and for the
7 environmental effects. The geographic scope is about 140
8 miles from the mouth of the Salmon River near Pasco,
9 Washington, up to the inland seaport of Lewiston, Idaho.

10 All four dams are similar and have the same basic
11 features. There's a powerhouse, a spillway, a navigation
12 lock and then an earthen embankment. These are large dams,
13 about a hundred feet high. The reservoirs are anywhere from
14 30 to 40 miles long, and multi-purpose projects serving
15 purposes such as navigation, irrigation, recreation, power
16 production, and fish and wildlife. The dams are not operated
17 for flood control.

18 I want to real quick now run through the four
19 alternatives that are currently on the table.

20 Alternative one are the existing conditions or what
21 we refer to as the base case. Under this option, all four of
22 the Lower Snake dams, of course, are equipped with various
23 fish passage facilities. Adult salmon pass through the dams
24 through ladders. The survival for the adults moving up
25 through each dam is about 99 percent.

1 There's three ways a juvenile fish can move through
2 the projects as we move down river: the first being over the
3 spillway, the second is through the turbines, and the third
4 is through the bypass facilities.

5 Currently we also collect about 50 percent of the
6 fish migrating down the river for transport by truck or
7 barge, taken downstream and released below Bonneville Dam.

8 The system survival is now at about 50 to 60 percent
9 through the dams for fish that travel in river, and this is
10 up from between 10 and 40 percent in the 1970s. So we've
11 seen about a threefold increase in juvenile survival as they
12 move through the system. The survival is about 98 percent
13 for transported fish.

14 Now, what we don't understand is an issue of -- the
15 issue of indirect mortality. Now, what this is about is
16 there's a theory that the fish that are transported or pass
17 through the system may be stressed or harmed or somehow
18 affected where their long-term survival in the ocean is
19 affected by going through the system here, and the technology
20 is now in place to get to a firm answer on that through the
21 pit tag (phonetic) technology. That data is being collected
22 by NMFS.

23 The second alternative is to maximize the transport
24 program. Now, alternative two contains everything I've just
25 mentioned in alternative one, with the exception, of course,

1 that there would be no need for spill over the dams, and
2 there would be no need for improvements for the spillway
3 deflectors to help mitigate for dissolved gases.

4 The third alternative is what we term major system
5 improvements. Now, like alternative two, it also maximizes
6 the number of juvenile fish transported. It differs from
7 alternative two in that it incorporates full-length surface
8 bypass collectors at Lower Granite Dam. This new collection
9 technology in combination with the existing bypass screens
10 would increase the collection of fish going down through the
11 system. You would therefore have more fish transported and
12 more fish not affected through going through the rigors of
13 the Lower Snake dams and other dams.

14 Alternative four is the breaching option. This
15 calls for breaching the earthen portion of all four dams and
16 creating a free-flowing river about 140 miles long. The
17 navigation lock, the power house, and the spillway, the
18 concrete superstructure, would stay in place but would
19 obviously cease operation.

20 This option also would call for some engineering
21 modifications, predominantly to facilities currently along
22 the banks like the railroad tracks, roads, bridges crossing
23 the river. Because of the drop of the water level in the
24 reservoirs, you have a sloughing problem there. That would
25 have to be reinforced to maintain those facilities.

1 The question then is, which alternative provides the
2 best condition for salmon and steelhead? I'm not going to
3 repeat what Ric talked about in the science. We do have
4 technical staff here who can answer those questions if you
5 have them further. I don't think there's a need to belabor
6 that point.

7 I do want to talk to the economics a little bit.
8 Each of the four alternatives has effects. However, the dam
9 breaching alternative would result in the most significant
10 economic changes to the region. This table shows a summary
11 of those economic effects, primarily through the drawdown
12 regional economic work group process.

13 This was a process that the Corps chaired, but where
14 we invited interest groups, river users, environmental
15 groups, to participate in our collection of data and the
16 analysis of the economic data that was presented. These
17 numbers represent national economic development and are
18 relative to the base case. These are average annual costs,
19 amortized over a 100 year economic life period.

20 As you can see, I'm not going to go through each
21 line, but generally under this analysis, where we're at right
22 now in the draft study, the breaching has an economic cost of
23 approximately \$250 million per year for a hundred years. The
24 primary economic driver is the replacement of the lost power.
25 The non-breaching alternative -- all three of the

1 non-breaching alternatives produce relatively little change
2 on jobs or communities as compared to the breaching option.

3 Now, the breaching has measurable short-term and
4 long-term effects. The short-term net gains are primarily
5 due to construction activity such as the removal of the dams
6 and so on, but with a long-term net loss to the region.
7 Currently our analysis shows about 700 jobs lost in the
8 Salmon River region, and approximately 2000 jobs in the North
9 Pacific, in the Northwest.

10 Now, I want to mention at this point that some of
11 the economic data and study has been challenged by folks
12 during the public hearings and all. So what I would ask, as
13 we go through the hearing process, if there are interest
14 groups or economic users or whatever that have additional
15 analysis or things that may not have been considered, we are
16 welcoming that kind of input and we ask for that.

17 Where do we go from here? We release the draft in
18 December. The current public comment period ends at the end
19 of March, 31st of March. For those who haven't seen it yet,
20 there are copies of the report available on the web. We also
21 have it available on CD and paper copy. I believe we have it
22 in CD copy and paper copies available on request to the Walla
23 Walla district.

24 As I mentioned before, we intend to issue a revised
25 draft late this summer and put in our preferred alternatives

1 as a basis of the data collected and what we learned from
2 these various public hearing meetings.

3 What I'd like to do now then is turn and talk to the
4 John Day drawdown study. What we did was what we call the
5 Phase I of the study. Its purpose was to evaluate the
6 potential benefits for fish and wildlife, evaluate social and
7 economic effects of drawdown, and make recommendation to
8 Congress on whether or not to proceed to Phase II.

9 The Phase II study would provide a level of
10 information -- excuse me, the Phase II study would provide
11 the same level of information and analysis for John Day as
12 we've done for the Lower Snake.

13 The Corps study (inaudible) drawn down alternative
14 levels. They're shown here on the chart. The first would be
15 drawn to the spillway crest level, which is about 50 feet
16 below the normal operating pool for which the project is
17 currently operated. The natural river level would drop it
18 down to about a hundred feet below the normal level.

19 John Day, unlike the Snake dams, it is operated for
20 flood control, has about 500,000 acre feet of flood control
21 storage behind it. We look at this from the standpoint of
22 both of these drawdown levels and retaining flood control
23 protection, both of these levels without flood control
24 protection.

25 Again, we looked at the biological, social and

1 economic impacts, the cost of each of these options and the
2 potential physical impacts. The effects of all four
3 alternatives on fish were evaluated. What we looked for was
4 the maximum potential fish benefits in coming to our
5 preliminary recommendation.

6 Of the options studied, the natural river drawdown
7 level, without flood control, provided the maximum benefits
8 to the listed Salmon River and Upper Columbia Chinook salmon.
9 The Phase I study indicates very little gain for Salmon River
10 salmon. We could expect gains for the Upper Columbia River
11 spring Chinook, but not at levels sufficient to ensure
12 recovery. As you know, the Upper Columbia spring Chinook are
13 a listed species. We would see probably some significant
14 increases to the upper bright Chinooks, which is not a listed
15 species.

16 The estimated total cost to implement the drawdown
17 to the natural river level, without flood control, the
18 implementation costs total come to about \$3.3 billion. On an
19 annual basis, that's the \$225 million you see at the top of
20 the slide. When you roll in all the other costs and impacts,
21 it comes out to about \$587 million a year for a 100 year
22 period, amortized over a 100 year life cycle period.

23 By comparison, the expense for the drawdown to river
24 level and retaining the flood control would cost about \$698
25 million per year, amortized over the 100 year period.

1 So based on the costs, based on the assessment of
2 the biological data, the Corps is putting forward the
3 recommendation in the draft report that we do not go forward
4 with the Phase II study.

5 Now, I want to emphasize this is still a draft
6 report. Part of this public comment period is to collect
7 additional comments and information on this study. This
8 public comment period for this study, like the Salmon River
9 study, ends on the 31st of March.

10 What we'll do then is forward our recommendation up
11 to Congress. We cannot initiate then Phase II without
12 direction from Congress. They may or may not accept whatever
13 the final recommendation is.

14 I think that's it for the slides. I thank you for
15 your patience and attention. I'm going to turn this back
16 over to our moderator to take us through the Q&A period.

17 I would ask if the elected officials and the
18 gentlemen representing Umatilla care to make comments, we
19 would ask you to come forward and do that when we start our
20 testimony period after the Q&A period.

21 MODERATOR: Thank you, Colonel. Thank you, Ric.

22 I want to ask that if you have a question to ask,
23 there are question sheets that you can fill out at the front
24 table. We really would like to make it clear that these
25 questions are simply to clarify a point that you want some

1 clarification on or the process that we're in.

2 If you have specific questions or detailed technical
3 questions, as the Colonel just mentioned, the open house is
4 still functioning over here. There are specialists and
5 technical people there that can probably answer your specific
6 questions.

7 The first question --

8 COLONEL ERIC MOGREN: I notice a lot of our
9 technical staff is sitting up here. I'd ask one of you to go
10 back there just in case folks have a question. Also, could
11 we turn the lights back on, please.

12 MODERATOR: Thank you.

13 The first question is, and this is a question I'm
14 going to be addressing to the panel up here: Do you think
15 selective fishing techniques will be an important element in
16 the long-term and do you expect most hatchery fish to be
17 marked so they can be selected for harvest?

18 MR. RIC ILGENFRITZ: Yes and yes. If you remember
19 back to the early part of my comments, I said the third part
20 of the CRI analysis is a feasibility analysis of how to go
21 out and actually get survival improvements.

22 Improving selectivity is something we're interested
23 in pursuing. A lot of the fisheries that are partially our
24 responsibility for regulating are administered pursuant to
25 treaties, so, you know, actually going out and applying

1 selectivity improvements will be a process of negotiation and
2 mutual agreement over time.

3 But selectivity clearly has shown promise and
4 eliminating a mixed stock fishery is something we've got to
5 try to do more broadly. NMFS supports marking.

6 MODERATOR: Given the fact that the only healthy
7 stock, wild spawning salmon, in the Columbia River, comes
8 from the free-flowing Hanford stretch, why is it not obvious
9 that more habitat like that is what will create more healthy
10 stocks? That's the first question.

11 Second: Is it not true that salmon must have
12 flowing water over gravel beds?

13 MR. RIC ILGENFRITZ: I assume that one is for me.
14 Again, if my answers are incomplete or unsatisfactory, I'll
15 refer you next door to some of the biologists and technical
16 folks who can get into more detail with you.

17 On the CRI analysis, when we were looking at fall
18 Chinook in the Salmon River, we projected that removing the
19 Lower Snake dams would increase available fall Chinook
20 habitat by about 70 percent. It would be a little bit more
21 than double what they currently have.

22 That's good, but it also sort of ignores the fact
23 that 90 percent of that fish's historical spawning habitat is
24 blocked by the Hells Canyon project. So they exist today on
25 a postage stamp of spawning habitat that's below Hells Canyon

1 dam, and we could improve that and increase that habitat by
2 about 70 percent if we took out the Snake dams. It's not
3 clear whether that by itself would be enough to recover the
4 species.

5 With respect to water flow and whatnot, clearly
6 water and soil and substrate and gravel characteristics are
7 critical for spawning and rearing habitat.

8 MODERATOR: Those are the only two written questions
9 that I had. Now we're going to get ready to move into the
10 public testimony. Just to clarify ground rules, because I
11 see there are more people here now than were here before,
12 remember that this meeting is not an attempt at a consensus
13 or a vote, it is an opportunity for members of the public to
14 have their thoughts heard and considered by federal
15 officials. So please don't disrupt that opportunity.

16 As the Colonel already mentioned, you may provide
17 written comments on the Corps' draft EIS or Federal Caucus
18 All-H Paper and related reports such as the Corps' John Day
19 drawdown study at any time during this comment period. It
20 isn't necessary that it only be tonight.

21 COLONEL ERIC MOGREN: Does anybody else have a
22 question they want to jot down? Why don't you bring them on
23 down. We'll cover that.

24 MODERATOR: Bring them up here.

25 Let me finish this while you're doing that. I want

1 to repeat that comment forms, there are a variety of comment
2 forms in your packet. There are several different forms on
3 several different subjects. They have as much weight as
4 testimony, as if you got up to speak tonight. There is a
5 tape-recorder and a person to operate that tape-recorder in a
6 little booth at the front door. That's available, too.

7 I want to emphasize that there are a variety of ways
8 to turn in your comments tonight. If you need to leave early
9 or you can't wait for all of the testimony to be completed,
10 make that available to us. As I said, written and oral
11 comments are treated equally.

12 Just a few details. Public restrooms are out in the
13 main lobby, just off of the lobby. There are also two pay
14 phones out there. Emergency exits, if we need them, there's
15 an emergency exit at that corner and there's another one at
16 that corner in addition to the doors that you came in when
17 you arrived.

18 The other questions:

19 Will breaching the dams affect private farms --
20 lands and farms? Although concerns of wild fish are
21 mentioned, it still appears that they take a backseat to
22 hatchery fish. What is projected plans for protecting wild
23 fish?

24 COLONEL ERIC MOGREN: I'll address the first part
25 about the irrigation and the farming, then I'll ask Ric to

1 address the part on the biology of the fish.

2 Yes, it would affect irrigation. There's some 30,
3 35,000 acres of cropland, mainly orchards, that are irrigated
4 out of the reservoir behind the Ice Harbor dam. These farms
5 would either go out of business or they would have to
6 relocate their intake pipes to a lower level to get the
7 water, or look for another source of water.

8 AUDIENCE: Would it affect flooding?

9 COLONEL ERIC MOGREN: No. Those orchards are up on
10 a bluff over the river.

11 MR. RIC ILGENFRITZ: With respect to the biological
12 question, wild fish versus hatchery fish, I'm not sure I
13 quite got it clear. Let me just make a comment by way of
14 background.

15 We're seeing similar decreases in population trends
16 for hatchery fish that we're seeing for wild fish. This
17 problem is not unique to wild fish. Fish throughout the
18 basin are declining in very severe numbers.

19 The numbers that I went through in my presentation
20 with respect to extinction risks and the productivity
21 improvements we're looking for apply to wild fish.

22 I guess if I was going to sum up the findings of the
23 CRI analysis, I would say that what it's showing is that it's
24 going to require a range of actions across all the lifestages
25 to get this collection of listed stocks to recovery.

1 There is no silver bullet. Breaching looks most
2 promising for fall Chinook and steelhead, but as the Colonel
3 said earlier, it doesn't look like it does much for spring
4 Chinook, and it certainly doesn't do anything for stocks
5 listed through other parts of the Columbia basin.

6 Defining the plan for protecting wild fish broadly
7 is what we're trying to do here, what I tried to spell out
8 with that summary of the scientific results.

9 COLONEL ERIC MOGREN: I want to go back to the
10 flooding question. I took the question to mean, Would the
11 dams have an impact on flooding those agricultural areas?
12 The answer to that is no because they're on higher ground.

13 With regard to flood control throughout the basin,
14 those dams are not operated for flood control. There is some
15 storage there, but depending on flow, if you're in a flood
16 situation, you can squeeze out some storage there if
17 conditions are absolutely right, but they're not operated for
18 flood control.

19 MODERATOR: Another question here. This is
20 addressed specifically to you, Colonel.

21 In your remarks on the John Day drawdown, you stated
22 that drawdown would benefit the upriver bright population,
23 but in your booth materials, I take it they're talking about
24 the materials here, say drawdown would decrease upriver
25 bright populations. Could you clarify the discrepancy?

1 COLONEL ERIC MOGREN: Let me take a look at the
2 materials because I'm not sure if it was a misunderstanding
3 there or not. Mr. Stanger is our project manager. If you
4 would see him, please, he can help straighten that out. I
5 think there's a misunderstanding there somewhere.

6 MODERATOR: Would they know where to find it?

7 COLONEL ERIC MOGREN: Stu, would you raise your
8 hand, please.

9 The upriver brights would be benefitted by lowering
10 the dam.

11 MODERATOR: The next question, this is also to you,
12 Colonel: Would the Colonel repeat the survival rates for
13 both upstream and downstream migrations for Salmon River
14 salmon.

15 COLONEL ERIC MOGREN: I think what he's talking
16 about, the adults going up. Our information shows that you
17 have about a 99 percent survival rate of adults going through
18 each dam. For fish that travel in river, that are not
19 transported, starting from Lower Granite going all the way
20 down to the estuary, you have a survival rate of 50 to 60
21 percent. Again, that's up about threefold from where it was
22 in the early '70s before we put the passage mod figures in
23 and so on in all the various dams.

24 For the transported by barge or truck, the survival
25 rate is about 99 percent. The caveat on that is how you feel

1 about the indirect mortality. Is there something that
2 happens during the passage through the dams or in the
3 transport that causes the fish to be in a weakened condition
4 when they move out to the ocean and causes them not to come
5 back? That's a question that's under study right now.

6 We have the technology through the pit tag
7 (phonetic) data which, for those who may not be familiar with
8 it, is almost like a chip that you put in the smolts going
9 down - combination driver's license, Social Security card,
10 birth certificate - that identifies if it's a hatchery fish,
11 where it came from, where it was picked up. That data is
12 read when the fish come back through the river. Through
13 that, we'll be able to get some hard numbers and trends to
14 answer that question of indirect mortality.

15 We have two years of good data. Two years obviously
16 don't make a trend, but that data is coming in. In a few
17 years, you ought to be able to answer that question fairly
18 definitively.

19 MODERATOR: The next question is also to you,
20 Colonel. The Colonel mentioned we should remember the
21 context. The question then is, is not the context a judge's
22 ruling for a decision on hydro to be made in a system that
23 cries out for a major overhaul? Isn't that the context for
24 the hydro decision?

25 COLONEL ERIC MOGREN: I think we can frame the

1 context any way anybody wants to frame it. The context we're
2 looking at is to focus on the recovery of the salmon. To
3 focus only on the hydropower system there, particularly in
4 the Salmon River dams, misses a huge part of that equation.

5 Now, whatever the ultimate answer is for that
6 equation, that's what we're trying to get to. Hydropower is
7 obviously going to be part of it. Don't misunderstand my
8 comments. May be that the final equation has dams in it,
9 that it has dams out. We haven't reached that point. It has
10 to include all the aspects that affect the fish: hatchery,
11 harvest, habitat and hydropower system.

12 MODERATOR: What happens to the sediments behind the
13 Snake dams if they are breached? Is it predicted they will
14 build up in lower downstream dam reservoirs or will there be
15 an attempt to dredge them out?

16 COLONEL ERIC MOGREN: Right now we would not have
17 any plans to dredge them out. I believe that was looked at.
18 Greg Graham, our study manager, is next door. He could talk
19 the details of that analysis.

20 But we figure there's about 150 million cubic yards
21 of sediment backed up behind those four dams. Of that 150
22 million cubic yards, our analysis is that about half of that
23 would end up washing downstream. 50 to 75 million cubic
24 yards -- and that would occur over maybe a ten-year period
25 depending on water years and so on. Of that 50 to 75 million

1 cubic yards, about half of that would probably flush out in
2 the first couple to three years. Now, the degree to which
3 that gets caught up behind the lower dams or washes out to
4 the estuary, I'm not prepared to answer that. Again, that
5 analysis was done, and Greg can talk to that.

6 It is a mixture of materials. You have some fine
7 materials in there and you have some heavy sands. The sands
8 will tend to settle out earlier, then the finer material
9 would tend to move further down the river. Specifically how
10 far each type would go, I can't answer that up here. I don't
11 know.

12 MODERATOR: That was the last question.

13 Now we're going to go into the public testimony.
14 For those of you who weren't here before, let me just
15 summarize how we're going to do this.

16 I have about 45 names signed up so far. As you see
17 in the agenda, there will be three minutes per person. In
18 order to do this in the most expeditious way, what I'm going
19 to do is to read the first three names off of sheet one,
20 sheet two and sheet three, then we'll progress for each of
21 the three sheets continuously until we finish.

22 What I'd like you to do, when I read your name off,
23 would be if you would come up here and just stand here and
24 we're going to use this mic that I'm holding now. We have a
25 system for guiding each of you as to how much time you have.

1 Jessie Phelps, over here, staffing the light bulbs,
2 she's with BPA. The light will turn green when you begin,
3 they'll turn yellow when you have a minute left, and red when
4 you have no more time, the three minutes are gone.

5 We'd appreciate it if you would wind up quickly if
6 you're still talking when that red light goes on and wind up
7 your presentation so that the next person will have a chance.

8 We're going to begin now. Sheet number one, the
9 first person who signed up for sheet number one, forgive me
10 if --

11 COLONEL ERIC MOGREN: If the elected guys could come
12 up.

13 MODERATOR: I'm sorry, yes.

14 COLONEL ERIC MOGREN: And our tribal
15 representatives.

16 MODERATOR: There were three elected officials that
17 identified themselves earlier. If you'd like to be given an
18 opportunity to put something in the record for testimony, I'd
19 like to invite you to come up at this time. We had a City
20 Council member, a Port Commission member, and I forgot who
21 the other was.

22 COLONEL ERIC MOGREN: Another Port Commission
23 member.

24 MODERATOR: Did any of you wish to say something for
25 the record?

1 AUDIENCE: I don't wish to cut the line. I'll wait
2 my turn.

3 COLONEL ERIC MOGREN: We had one tribal
4 representative. Why don't you come up. As he's coming up,
5 let me mention again, would each of you say your name and the
6 organization.

7 SPEAKER: My name is Rick George. I'm a staff
8 member with the Confederated Tribes of the Umatilla Indian
9 Reservation. I very much appreciate the opportunity to cut
10 in line. We are out here from the Umatilla Indian
11 Reservation, flew out at 5 a.m. this morning, are driving
12 back to Portland tonight, fly out early tomorrow. I very
13 much appreciate that and very much appreciate the sensitivity
14 from the audience to allow me to speak first.

15 The Confederated Tribes of the Umatilla is a
16 confederation of three tribes. The reservation is located in
17 northeastern Oregon on the Umatilla River. It's the Walla
18 Walla, Cayuse and Umatilla tribes.

19 They signed a treaty with the Federal Government in
20 1855 and ceded to the Federal Government 6.4 million acres of
21 land, and all resources that went with it. They got in trade
22 for that a reservation homeland to live upon, and they
23 reserved very specifically rights to themselves that they
24 already had. One of those rights is to fish for salmon for
25 economic, cultural, traditional and religious uses. I want

1 to talk specifically for a minute about the issue of the
2 context.

3 I agree very much with Colonel Mogren's advice that
4 we need to look at the big picture, we need to look at the
5 whole thing. We also need to recognize that many, many doors
6 have already been closed. John Day, for instance, has
7 been -- draft opinion says basically the John Day dam at Bull
8 Pool with turbines operating is good for fish, and it should
9 stay.

10 We have decisions that have been made for other dams
11 that are in place and aren't going to go anywhere that
12 permanently block about half of the historic salmon habitat.
13 We have federal processes now that are ongoing, and a
14 decision is ripe and ready for the Lower Salmon River, and it
15 is time for us to focus on that decision not in a vacuum, but
16 to focus on that decision and to make the right decision in
17 the context of all of the rest of the habitat, harvest and
18 hatchery decisions that must be made now and at the same time
19 that we decide to breach the lower four Salmon River dams and
20 restore 140 miles of reservoir back to river conditions that
21 are a home for the salmon.

22 One of the things that the tribes is out here to do,
23 in addition to being here at the hearing, is to tell the
24 people of Astoria that there's a huge missing factor in the
25 federal processes, and that's you, that's people really

1 influencing decisions, really having an impact on what comes
2 out of this federal process.

3 What we're here -- what the Umatilla tribes are here
4 to offer is their treaty rights to work for people, to work
5 for commercial fishermen down here on the coast, to work for
6 people throughout the Columbia basin and to work for tribal
7 members. So the tribes is here to fill a big gap that the
8 Federal Government can't fill, and that's to accommodate
9 human values, family values.

10 We believe that in order to take out four federal
11 dams on the Lower Salmon River, which must be done to prevent
12 extinction, you've got to give people certainty who are going
13 to be impacted negatively by that. So we ask for your
14 assistance, to help us work with the irrigators on the 13
15 farms who need to know that they're going to continue to have
16 water before this decision is made to breach the dams and to
17 transport commodities through the Snake and Columbia River
18 system and to give people certainty in the coastal
19 communities for fishing, tribal communities for fishing, that
20 salmon will be here for our children forever.

21 MODERATOR: I have one more question that was given
22 to me just as Mr. George was coming up.

23 This question is to each of you. Have each panel
24 member accounted for increased economics to the region due to
25 improved fisheries resulting in increased tourism and more

1 jobs related to habitat rehabilitation?

2 COLONEL ERIC MOGREN: Let me address that. That's a
3 function of the DEIS in the Salmon River. The answer is yes,
4 that was looked at. Again, I would encourage those of you
5 that are interested in that aspect to look at that study. If
6 there's something you would like to add or was missed or
7 requires a different look, please comment on that.

8 Certainly we looked at it, analyzed it. That's not
9 a final analysis at this point. That was more the Corps that
10 had done that.

11 MODERATOR: Thank you.

12 I'm going to call three parties here. The first
13 party, as I was going to say before, forgive me if I'm
14 fracturing your name, I'll do the best I can with the
15 writing. The first name on the first list Karl Magnuson.
16 First name on the second list, Liz Hamilton. The third name
17 is Ron M-a-x-h-e-a-d.

18 I'm going to ask you to address the panel. That's
19 the group that you're speaking to, is the panel. It also
20 will help you see the lights when they go on.

21 SPEAKER: My name is Karl Magnuson. I live in
22 Salem, Oregon. I grew up here in the Astoria area. As a
23 child, I remember climbing up on the stone benches at the
24 Union Steam Baths and listening to the fishermen tell me the
25 last great fishing year was in '98. Now, that would have

1 been 1898 because I was a kid in the '60s and '50s around
2 here.

3 We have done so much to mess up our environment, I
4 don't know how we're going to fix it, but we better look at
5 it very, very hard. We're talking a hundred some miles of
6 river. If you look just in the state of Oregon, the few
7 culverts that ODOT has fixed has put a hundred some miles of
8 fish habitat open to fishing. There's thousands of miles
9 that are blocked off and doesn't even consider a dam. It's
10 just small little drops.

11 A six-foot drop is not that much. You take a
12 steelhead that can only jump three and a half foot, not going
13 to make that six foot into the culvert. Habitat is big.

14 We have so many people in this nation, we can't put
15 blame on anybody right now. The only people we have to point
16 our fingers at is the people who have the power to get the
17 people together in all these two states and a foreign
18 country, Canada, how many states we have in this little map
19 here? A lot of jurisdictions have to get together and say,
20 "We've got to get the job done."

21 As far as harvest goes, we have to do catch and
22 release on wild fish everywhere in this basin. Anything we
23 do for hatcheries, it has to be fin clip so we can do catch
24 and release. Nets catch everything. We can't do net fishing
25 anymore. It has to be hook and line. I still say you can go

1 out there and catch fish with a hook and line. Hatcheries,
2 get as much local genetic material as possible and pump out
3 those fish.

4 Hydropower, we live in a land of cheap electric
5 power. We don't have to have cheap electric power if we need
6 to fix things. We can raise the rates four cents a
7 kilowatthour to five cents. That extra penny per
8 kilowatthour goes directly to this habitat enhancement, not
9 in the pocket of some bureaucrat. There's a lot of money
10 that can be collected by small incremental raises in the
11 price of our power and it will benefit the entire population.
12 Thank you, very much.

13 MODERATOR: Liz Hamilton.

14 SPEAKER: Good evening. Thank you for the
15 opportunity to comment tonight. As stated, my name is Liz
16 Hamilton. I have the good fortune of serving as executive
17 director for the Northwest (inaudible) Fishing Association.
18 I represent several hundred businesses in the Northwest that
19 are dependent on healthy salmon populations.

20 I'm here to voice our strong support for an adoption
21 of an alternative that requires the removal of the four Lower
22 Salmon River dams. I'm still concerned with economics,
23 Colonel, and I'd like to give you a specific example of why.

24 We lost (inaudible) in a spring Chinook fishery in
25 the main stem that totaled 150,000 angler days. Angler days

1 are valued in direct expenditures at \$83 a day. That's over
2 \$12 million in one lost fishery. There are many others.

3 Now, if you take the fact that we manufacture as an
4 industry, that makes the economic benefit \$150 a day and you
5 (inaudible) that \$12 million. That one fishery equals the
6 total value of our study.

7 The other thing we have a problem with is if our
8 economics are so low, why is it that we're being told that
9 the fish can be saved by closing our fisheries downstream?
10 You can't have it both ways. You can't have your cake and
11 eat it, too. Downriver fisheries are an important economic
12 value and an important biological value.

13 We don't see this administration addressing the
14 federal dams. What we've seen is years of techno fixes,
15 increased barging and trucking of juvenile salmon and a
16 multitude of failed strategies. From our perspective, we
17 haven't spent \$3 billion trying to protect salmon, we've
18 spent that money protecting the dams.

19 In the habitat arena, the inactions speak louder
20 than words. NMFS has yet to consult with the Bureau of Rec
21 on the water spreading in the region. We don't see
22 suggestions that 55 to 75 percent of water withdrawals are
23 eliminated. Temperature pollution reaches near lethal
24 standards every year in the Columbia.

25 NMFS in the process of approving a dredging of the

1 Columbia, estuary, an area identified as key to salmon
2 recovery. NMFS' own analysis acknowledges tremendous
3 uncertainties surrounding whether the improvements are
4 actually feasible.

5 So why are we trading the best science that came out
6 of the path and trading it off with hope for unclear and not
7 actually feasible solutions?

8 Furthermore, we feel that the results gained by
9 strangling harvesters pales in (inaudible). Breaching these
10 dams would bring back tens of thousands more salmon than
11 could be saved through further harvest cuts.

12 Less than one percent of human-caused mortalities of
13 wild Salmon River Chinook are attributable to the sport
14 fishing industry. Compare this to 92 percent harvest by the
15 dams. The differences are striking.

16 I ask, why does this administration turn away from
17 the dams? We wonder if we're sharply attacked in the fishing
18 community because we're the weakest link. That's not
19 science, that's politics.

20 The fishing industry will not stand for this. We
21 are happy to do our part, but we will not continue to sit by
22 and watch our livelihoods disappear while nothing is
23 addressed substantially in the hydrosystem.

24 I think the fishing community has paid enough. If
25 we are to save the Snake and Columbia River salmon, the

1 administration needs to take these killers on and produce a
2 real plan. It's unreasonable that farmers fence, developers
3 and timber operators do buffers, the fishermen are on the
4 beach, while the largest harvester of salmon goes unchecked.

5 SPEAKER: My name is Ron (inaudible). I'm
6 representing nature, I guess, would be the closest
7 organization I belong to.

8 Let us as good stewards of rivers and fish resources
9 make decisions that are in harmony with nature. Being in
10 harmony with nature will preserve and protect our abundant
11 resources. Making decisions with nature in harmony will in
12 the long run be cost-effective because they will be
13 successful and the results will be permanent. I feel being
14 in harmony with nature will require the rivers to be restored
15 to their natural state.

16 Breaching the Lower Snake dams and restoring habitat
17 in the Salmon River basin are actions that would move in
18 harmony with nature. Therefore, I'm in favor of alternative
19 number four, breaching the dams and moving in harmony with
20 nature. Thank you.

21 MODERATOR: The next three names are Rob Walton,
22 Glen Spain and Frank Amato. Mr. Amato, have you shut the
23 lights off on your Jeep? Are you Mr. Walton?

24 SPEAKER: I am. My name is Rob Walton. I'm the
25 assistant manager of Public Power Council in Portland. The

1 PPC members are electrical utilities owned by the people they
2 serve in communities including Clatskanie and Tillamook
3 counties, areas across the eastern part of the four-state
4 region and in cities in all four states. I'd like to comment
5 on both the All-H Paper and the draft EIS.

6 I'd like to start by complimenting Colonel Mogren on
7 his opening comments, especially the wisdom of seeking common
8 ground. I'm here to do just that. I'm here to compliment
9 those people here in Astoria who have been working on some of
10 the success stories, including the Youngs Bay production
11 facilities.

12 I'm also here to offer Public Power's support to
13 commercial fishing organizations to take the lead in
14 implementing what NMFS, US Fish and Wildlife Service, ODF&W
15 and WDF&W all seem to want but are not doing fast enough.
16 I'm referring to selective fishing techniques and gear.

17 Projections for this year's spring/summer Chinook
18 run are up to about 140,000 fish, but 80 percent of those are
19 hatchery fish. NMFS says it won't raise the harvest rates.
20 That means a lot of fish won't be caught. It may mean they
21 aren't allowed to spawn either.

22 The only organization that responded eagerly to our
23 suggestions that we fund selective fishing tests this year
24 was Salmon for All here in Astoria. We'd like to see this
25 community get Bonneville money as soon as possible,

1 demonstrate fishing techniques that can allow more fishing
2 with less impact on wild listed stocks. If we don't do that,
3 we're liable to see repeats of the Wall Street Journal
4 article from last week on February 7th that talked about
5 salmon in the dumpsters. Having fewer dams and more salmon
6 won't do any of us any good if they wind up in the dumpsters.

7 I don't see a plan in place in either the draft EIS
8 or the All-H Paper that would provide protection for dozens
9 of independent populations of wild fish in the Salmon River
10 and robust harvest for tribes and non-tribal fishing at the
11 same time. I believe this community could show us the way
12 towards fishing smarter, and the power industry would like to
13 see you pay to do just that. Thank you.

14 MODERATOR: Mr. Spain.

15 SPEAKER: My name is Glen Spain. I'm the Northwest
16 regional director for the Pacific Coast Federation
17 Fishermen's Association. Welcome to Astoria.

18 Astoria is a town that fish built. Fishing has a
19 long history in this town. It fed the early settlers, built
20 this town more than any other activity. I've seen in the
21 last 30 years, along with construction of the Salmon River
22 dams, a lot of those fisheries go away to the point now where
23 it's not just fish in the upper river that are on the
24 endangered species list, it's fishermen, many of them in this
25 room that are on the endangered species list.

1 One of the problems with your analysis, and I think
2 it upsets people in my industry more than any other thing, is
3 you completely ignore the fact that the fishing industry in
4 the lower river has been strangled over the last 30 years to
5 provide heavily subsidized transportation in the upper river
6 for a handful of interests.

7 There are people in this room who no longer have
8 homes, who no longer have livelihoods, and who no longer have
9 boats because of the impacts of the upper river Snake River
10 dams. I think that has got to be included in your analysis.

11 You assume the baseline economics is zero. In fact,
12 the status quo has a high cost. Anywhere from 300 to 400
13 million dollars a year in mitigation costs, in spill costs,
14 in transportation costs, and subsidies, subsidies to farms,
15 subsidized irrigation. Those are all costs that must be
16 calculated in your economic equation, otherwise you're really
17 not comparing apples to apples, you're comparing apples to
18 nothing at all.

19 One of the things you need also to do, and my
20 comments go to both the EIS and the 4-H paper, is you have to
21 look at the four H's. We supported that in Congress, we
22 supported that initiative, but you have to do the numbers.
23 You have to subject all the various H options to the same
24 kind of scrutinized scientific peer-reviewed and economic
25 analysis as the other options on the table.

1 Failure to do that, again, means you've created a
2 menu of a hope and a wish to grasp at straws rather than deal
3 with the big issue. This is precisely what happened in the
4 late '60s and early '70s when the transportation program was
5 begun. It was never analyzed, it was never subjected to an
6 EIS. The NEPA was adopted several years later. It was
7 grandfathered in, and now we know that in many respects
8 benefits are hard to prove and may be, in fact,
9 counterproductive.

10 The other thing you need to do is look at all of the
11 options. If you start looking at all of those, you find that
12 the cheapest, most effective and most likely to provide for
13 restored fishery benefits in this community and downriver
14 communities is breaching of those four Snake dams.

15 Yes, there's habitat protection that can be done.
16 Yes, there are other changes that can be made. None of them
17 will succeed without addressing those four dams. Thank you.

18 MODERATOR: We're going to give you the honor of
19 trying out our new mechanized system here. Is this working?

20 SPEAKER: Thank you for warning me about my lights.
21 A little less embarrassing at 11:00.

22 My name is Frank Amato. I live in Milwaukie,
23 Oregon. I also live in Naselle, Pacific County, across the
24 river. I'm here representing the Willapa Anglers, which is
25 Southwest Washington's leading angling group in Pacific

1 County, as well as myself.

2 I publish a magazine called Salmon Trout
3 Steelheader, another one called Fly Fishing and Tying Flies.
4 Both magazines have readerships of 200,000.

5 Essentially what I'll be telling you is exactly what
6 I preach in the two magazines and will be doing so even more:
7 I think the dams should be yanked out, breached, period.
8 Excuse me.

9 I would like to comment on the All-H Paper and Corps
10 DEIS. I favor breaching the four Lower Salmon River dams.
11 This will ensure that wild spawning populations of steelhead
12 and salmon do not become extinct. What happens in the Salmon
13 River affects the Deschutes and dozens of our downstream
14 tributaries of the Columbia.

15 Overloading the Salmon River with hatchery fish will
16 ultimately end in extinction of wild Snake River salmonoids.
17 It will also spell disaster for summer steelhead and salmon
18 on lower Columbia River tributaries.

19 When you're talking about what goes on in the Salmon
20 River as far as what percentage of the fish are being hurt,
21 you are always talking about extinction, you're not talking
22 about increasing runs. That's what we should be talking
23 about.

24 When we speak for dam breaching to save salmon,
25 we're inspired by the heavenly spirits of the Chinook Indian

1 tribes who for centuries treated salmon with respect and
2 dignity for this most marvelous of God's creations.

3 When you are alongside the Columbia River, I feel
4 the majestic might of the river's spirit and magnificence,
5 but sometimes tragic history.

6 The Chinook tribes who live in unity with the river
7 are gone and so soon will be their sacred salmon if we do not
8 act now. It's time for citizens of the Northwest to rise up
9 and stop the technological slaughter of smolts and salmon in
10 turbines and hot water reservoirs, and ever more
11 decision-stalling studies.

12 The citizens in the Northwest, the entire nation,
13 favor strong actions to rip out the fish killers, the Lower
14 Salmon River dams.

15 The commercial fishing industry of the Lower
16 Columbia was strangled by dams. Few in power cared.
17 Thousands lost their jobs. Now in a more enlightened time
18 and with careful mitigation planning, Salmon River dam area
19 jobs can be reconfigured to ease the change that is
20 scientifically demanded and inevitable.

21 In the glistening black early morning waters of the
22 Columbia, off Portuguese Point, look into the water and see
23 wild salmon and the ageless spirits of the Chinooks. What
24 have we done to their river?

25 If alive today, what dam decision would Chief

1 Comcomely, Captain Robert Gray, Lewis & Clark and John
2 McLoughlin have made concerning saving the wild salmon of the
3 Columbia River? They would say in unison, Long live the
4 salmon, breach the dams.

5 MODERATOR: Mr. Amato just asked if we want a copy
6 of that. If you have copies of any of this material, please
7 leave it with us or drop it in the drop-off box outside.

8 The next three, Don Swartz, Jeff Fryer, and Bruce
9 Buckmaster.

10 Mr. Swartz.

11 SPEAKER: Good evening. My name is Don Schwartz.
12 I'm a retired fisheries biologist. I worked for the State of
13 Oregon for nearly 32 years. My beat was the Columbia River.

14 I'm here today to address one of the four H's,
15 particularly the habitat issue. I represent Northwest Sport
16 Fishing Industries Association. We favor breaching. The
17 reason we favor breaching, and I want to talk about habitat
18 issue, the Columbia basin historically produced about 16
19 million salmon. It had a much bigger watershed in terms of
20 what the salmon could reach than what it does now. We're
21 dealing now about half of what salmon used to utilize within
22 the basin. In that, the half that's still available, 70
23 percent of the best habitat is in the Snake.

24 If we lose the Salmon River, the fish go extinct; we
25 don't breach the dams, we lose that production, we're down to

1 the 30 percent of the half, or 15 percent of the former basin
2 to try and maintain stocks of fish. Well, that won't cut it.
3 The people of the Northwest won't accept that. We won't have
4 harvestable stocks, we won't have meaningful runs of fish.
5 We need to do immediately what we can to save the biggest
6 part of the remaining habitat, which is in the Snake. That's
7 why we're supporting the breaching of dams in the Snake.

8 In the Snake, we currently have about five major
9 subbasins that are producing fish. Each and every one of
10 those, the Tucannon, the Clearwater, the Salmon, the Grand
11 Ronde and the Wenaha, all of them have major portions of the
12 watershed that are in wilderness, virtually pristine
13 condition. We have some of the best habitat in North America
14 still intact in that system. The fish that are native in
15 those locations are not cutting it.

16 Habitat isn't the only problem, isn't the biggest
17 problem even. It's obvious that we need to reconnect those
18 habitats with the ocean. That means breaching the dams,
19 getting the things that are killing the fish off out of the
20 way. That's it.

21 SPEAKER: -- reflecting, however, upon the nature of
22 harvest as the product or result of any labor process, we
23 will not object to the inclusion of harvest as an important
24 consideration in salmon recovery. It is clear that more is
25 harvested from the Columbia River than fish.

1 The harvesters of fish have earned the right to ask
2 our fellow harvesters to share the burden and responsibility
3 for salmon recovery. As victims of broken promises have
4 resulted in damaged lives and shattered economies, we know
5 what sacrifices approaching 100 percent can do.

6 The common purpose is a healthy harvest for all. It
7 is unconscionable to do nothing or delay implementation of
8 our best available strategy to return upriver salmon to
9 sustainable levels. We will support programs and public
10 expense to mitigate impact caused by dam breaching. We do
11 not believe that any community should have to undergo
12 unmitigated hardships as experienced by the tribes and the
13 lower river families. Thank you.

14 MODERATOR: The next three people are Jim Martin,
15 Dick Hellberg and Robert Scheve.

16 SPEAKER: Good evening. I'm Jim Martin,
17 conservation director for Pure Fishing. I'm a retired
18 fisheries biologist who worked for 30 years for the Oregon
19 Department of Fish and Wildlife, including chief of
20 fisheries. I'm speaking to both documents.

21 Colonel Mogren said, Let's focus on all listed
22 stocks in the Columbia basin to get the context. I say fine.
23 Where are the specific alternatives from which we can choose
24 here? The ones that recover all the stocks that pass the
25 biological test, the ones that are consistent with the

1 requirements of the Clean Water Act, of which I see no
2 analysis whatsoever amongst the choices, and the ones that
3 are consistent with treaty rights rather than trading treaty
4 rights off against dams, which do you like better? Finally,
5 consistent with the President's order on the Endangered
6 Species Act never even gets mentioned around here.

7 Let's choose amongst the options that pass those
8 tests. Let's find out which of our mix-and-match
9 alternatives pass those tests with reasonable certainty
10 giving some uncertainty with science. The ones that are
11 robust to different scientific alternatives, the ones that
12 don't depend on torturing the data to get an assumption.

13 How can we choose amongst those choices if we don't
14 even understand them? I guarantee you that a lot of the
15 private landowners in the Pacific Northwest would feel a
16 little differently about these alternatives of dams if they
17 knew specifically what you had in mind in terms of strategy
18 for habitat.

19 I notice that the million acre foot analysis just
20 miraculously disappeared from the Corps' analysis right off
21 the bat because you knew getting a million acre feet out of
22 Idaho would mean to the whole dang process.

23 Breaching is the only option which is robust enough
24 to be helping all the stocks of this nation, to be moving us
25 forward on the Clean Water Act and consistent with treaty

1 rights given a wide array of possibilities and certainties or
2 assumptions.

3 Every independent science review looking at this
4 problem so far has focused on improving a natural river
5 condition and improving natural processes. There's only one
6 option you're considering that moves us in that direction.

7 With regard to the evaluation of whether John Day
8 should be drawn down, how can you make that decision without
9 a recovery strategy for the Upper Columbia stocks because I
10 think John Day will help the Upper Columbia stocks more than
11 it will for the Snake, particularly if you take the four
12 Snake dams out. Once again, we have one specific option
13 which is being considered in the absence of the context,
14 Colonel, that you talked about.

15 The bottom line here is avoiding irretrievable
16 decisions. We breach the earthen portions of these dams, we
17 could retrieve that decision if we're overdoing it for
18 salmon, which I submit after 30 years of study is highly
19 unlikely. They go extinct, it's forever. It's
20 irretrievable. If we make the mistake now given the
21 uncertainty of our choices and lose these fish, how in the
22 hell are we going to explain it to our children?

23 MODERATOR: Mr. Hellberg.

24 SPEAKER: I'm Dick Hellberg. I'm a lifelong
25 resident here in Astoria and Warrenton. I've been a

1 commercial fisherman for 40 years. I'm on the Oregon
2 Department of Fish and Wildlife R&E board, incidentally.
3 Additionally, I majored in biology when I was going to
4 college, managed to pick up a master's degree in science
5 somewhere along the line.

6 The thing that bothers me about this whole process
7 is we've left out the lower river. This has been repeated
8 and repeated. Those of us that live down here and our
9 families have really taken it in the shorts for how many
10 years?

11 A hundred years it took us to get to this point in
12 this river where you have one percent or is it five percent
13 or maybe ten percent of the total runs in the Columbia River
14 left? What is it? I believe it's probably about five
15 percent. What did they say, a million left out of 16
16 million? That's a wonderful legacy to leave, isn't it?

17 Now, what has happened since Grand Coulee? You may
18 (inaudible) the Columbia River sockeye, then 50 years later
19 or sometime considered they were extinct and made a big fuss
20 about a dam or a river -- excuse me, Red Fish Lake up in
21 Idaho. So now you're worried about these dams. One dam at a
22 time, and we're going through all these studies.

23 One of the things I've learned is that as science
24 studies things, they tend to preordain their results,
25 especially when organizations are involved and wanting

1 certain results.

2 Now, this fishery at 16 million fish is around 320
3 million pounds of salmon. That's about 200 million pounds of
4 harvestable fish that was here at the beginning. I said this
5 one other time at a hearing. I hope the transcriber will get
6 this.

7 Anyway, that comes out to about \$800 million a year
8 in economic benefit. That needs to be figured in when you're
9 figuring out what you're -- what the effect and economic
10 effect is. Let's go back and find out what you destroyed
11 before you decide what you're going to lose because you
12 already lost some of this and some of it can be brought back.

13 The other thing is on breaching the dams, I fished
14 in Bristol Bay for 30 years. We have had our runs up and
15 down. We had the Japanese on the high seas. They brought
16 the runs down, 40 to 60 million fish, down from tens of
17 millions, five million, 16 million. The Magnuson act comes
18 along. We get the Japanese off the high seas. Get the
19 interceptions gone. Guess what? Turn around and we have
20 record runs of fish. We've had them for over 20 years now.

21 So what is the difference between Bristol Bay and
22 its watershed and the Columbia River? The difference is the
23 Bristol Bay watershed is a pristine watershed. There is none
24 of man's activities. There's no dams. We don't have
25 endangered species swimming up in those lakes and those

1 rivers. Our trout aren't in trouble. All these other
2 species that are in trouble are in trouble for the same
3 reason as salmon are.

4 When you recover the salmon, the others will
5 recover, and the only way you can do it is you've got to get
6 rid of the dams, and the four dams on the Snake are the
7 starting point. You can't have fish if you don't have
8 unimpeded travel to their spawning grounds. You can't raise
9 cattle without calves. You can't have salmon without smolts.
10 That's just plain and simple. Thank you.

11 MODERATOR: Sybil Ackerman. The next is I cannot
12 read the first name, Dunlap. Then the next one is going to
13 be John Westerholz.

14 SPEAKER: My name is Sybil Ackerman. I'm the
15 associate regional representative for the Sierra Club. I'm
16 happy to be here today.

17 I want to make sure that you all know that Sierra
18 Club wholeheartedly supports dam removal, that is no
19 surprise. We also believe strongly that the fishing industry
20 has been unfairly blamed for salmon decline. The Sierra Club
21 has worked hard on two initiatives in Washington and one in
22 Oregon to stop those initiatives because we could have put
23 the industry out of business. Sierra Club also is an active
24 participant in the Save our Wild Salmon coalition. I want to
25 talk a bit about that.

1 It's a diverse coalition of fishing organizations
2 and sporting groups, business associations, environmental
3 organizations, and energy activists. SOS contains many
4 different perspectives, but we also care about salmon and
5 support removing the four dams that don't make sense.

6 These banners coming in represent a broad and
7 diverse coalition. It still doesn't begin to incorporate all
8 the organizations, individuals and businesses across the
9 region and the country who support dam removal. These
10 organizations amount to more than six million people. These
11 banners over here represent all of the different
12 organizations that support dam removal and are active members
13 of the Save our Wild Salmon coalition.

14 The other banner here represents 4200 signatures,
15 only five percent of the 96,000 people who support dam
16 removal in the region and in the country. This is not
17 peanuts. This is a lot of people. This is only just the
18 beginning. Every day, every day more people are learning
19 more about the plight of Salmon River salmon and are stepping
20 forward to say, "These dams just don't make sense."

21 We have the science, we have economics and now we
22 just need the political leadership, you, to show that we
23 would like to have these four Salmon River dams breached and
24 these fish once again recovered to viable populations. Thank
25 you, very much.

1 MODERATOR: Sam Dunlap.

2 SPEAKER: My name is Sam Dunlap. I'm from Home
3 Valley, Washington. My mailing address, I'll give you all
4 that stuff later. It's a bittersweet experience for a native
5 person to attend these hearings because on one hand we're
6 given the illusion of participation; on the other hand we're
7 looking at very sincere, well-mannered, well-intentioned
8 bureaucrats who make promises that they have no intention of
9 living long enough nor staying in one place long enough to
10 redeem.

11 I don't know any of you, but one of you, one of your
12 grandfathers, one of your great-grandfathers promised my
13 grandfather that if he'd let the dams go in on the Columbia,
14 that you'd protect his fishery. You have failed to redeem
15 that promise.

16 I live on the banks of the Columbia River, near the
17 confluence of the Wind River. Actually, I don't live on the
18 Columbia River, because it's not there anymore. The Corps of
19 Engineers has this obscene habit of naming what they do to a
20 river some lake, so I guess I really live on the shores of
21 Bonneville Lake.

22 Once in a while you can see the grandeur that once
23 was the Columbia. There's about a hundred feet below The
24 Dalles dam that you can see what the wild and free running
25 Columbia looked like, but it's a rare sight. Instead what I

1 see is the toxic sludge that's left from all of the dams and
2 all the pools, all the industrial pollution and thermal
3 pollution and agricultural chemicals and the heavy salts,
4 that's what's left when the Columbia gets to Home Valley. I
5 don't even live on the shores of Wind River, because Wind
6 River is gone, too. I live in the flood pool.

7 What I wanted to talk about, I also live near the
8 White Salmon River, which was killed forever by the
9 construction of Condit dam, which is about five miles above
10 its confluence with the Columbia.

11 Now, PacifiCorp, the owner of Condit dam, has made
12 the strategic entrepreneurial decision that retrofitting
13 Condit dam would cost more than the \$1.5 million it would
14 cost to remove it. I think that's a good model for dams, and
15 I think it would have happened a long time ago if these
16 Salmon River dams were private dams rather than government
17 dams, and that the careers and the jobs of government
18 employees weren't contingent upon their preservation.

19 Now comes the news of a recent study published in
20 the Journal of Fisheries that talks about the importance to
21 Northwest ecosystems of the marine organic matter which is
22 imported by salmon from historic levels of near 500 million
23 pounds of fish, where you have now managed Northwest fish
24 stocks down to the point where we have between 26 and 30
25 million pounds returning to the rivers.

1 Scientists found marine isotopes of leaves, plants
2 and young fish, even in bare bones. All the wildlife and
3 plant communities in the Northwest depend on the importation
4 of marine compounds. Coho, steelhead, insects and other fish
5 populations survive and thrive on the decomposing carcasses
6 of indigenous fish, or as the native people say, the white
7 salmon.

8 So this brings me back home to the White Salmon
9 River, the dead, decomposing fish. I ask you please to
10 consider the promise that your grandfathers made to my
11 grandfather, Mr. Howard Chem (phonetic), who lives in a
12 little village at Sigh Island (phonetic). Remember the
13 promise you made to take care of his fish.

14 SPEAKER: I'm John Westerholm, a long time
15 gillnetter on the Columbia River and a member of the Salmon
16 for All and Columbia River Fishermen's Protective Union, our
17 two fishery organizations. You can add my vote to the
18 unanimous decision so far tonight.

19 I am a member of a certain way of life here on the
20 lower river, on the estuary, that relates closely to the
21 history and background of the area. This history reflects
22 directly on the natural resource related activity, and in
23 this case fish, fishing and salmon.

24 Perhaps because of our more rural and direct contact
25 with the land and water, and located where we are, we have

1 seen and can see what is happening to our once great salmon
2 runs. We watch the adults go up, we watch the fingerlings
3 come down. We see it all here.

4 I believe firmly in the old medical phrase that an
5 ounce of prevention is worth a pound of cure. When we went a
6 little too far and built some extra dams up on the upper
7 river, we went a little bit too far. Now we have to cure
8 that ill.

9 Best science, it doesn't take any rocket scientist
10 to understand, is Mother Nature and a free-flowing river
11 wherever we can have it. Leave them alone and they'll do
12 well. Example, the Hanford reach. As with the Missouri, the
13 Columbia can be managed much better. We must bite the bullet
14 and do it. We must give and take in a cooperative manner, of
15 course, but we must do it.

16 My conclusion is that return the Lower Snake to a
17 free-flowing natural stream, only then can we be absolutely
18 most assured of rebuilding the famous royal Chinook runs that
19 originated in the Snake River and renowned the world around.
20 While we're at it, let's be sure that we use prevention on
21 the lower river and not dredge that ship channel any deeper
22 than it is now. Thank you.

23 MODERATOR: The next three are Irene Martin, Bob
24 Bernert and Victoria Stoppiello. Irene Martin, are you here?

25 SPEAKER: Ladies and gentlemen, I'm Irene Martin.

1 I'm a gillnetter from the Columbia River, and also southeast
2 Alaska. I'm also an Episcopal priest in Cathlamet,
3 Washington.

4 The box that I brought up here contains many but not
5 all of the documents and background material that I went
6 through to prepare for tonight's hearing. But I think I'd
7 like to use this box as a metaphor for the way of thinking of
8 what's gone on here in the Columbia for over 70 years in
9 which our society as a whole has viewed the Columbia as a
10 body of water that can be altered to serve industrial needs
11 and that any problems that arise can be fixed by applying a
12 technological solution.

13 Because I think we need to start thinking out of the
14 box, I'd like to start by asking who designed the box that
15 we're in. It was designed by business and the industrial
16 community and the federal government to respond to pressures
17 to develop the inland empire. For over 70 years, the
18 parameters on use of Columbia have been set by the needs of
19 the business community, but not the needs of the fish. We've
20 now reached the point where we have to decide what we're
21 going to do about those fish, and somehow we need to think
22 our way out of this box.

23 The studies that have been done still bring us to
24 the same point, and the point is that the choice is basically
25 a moral one. Our moral decisions reverberate beyond our

1 deaths and into future generations.

2 To give an example, I note that in the document that
3 the Corps calls itself an honest broker. Do you know where
4 that term comes from? Bismarck used it in 1878 to refer to
5 his position in brokering various treaties and strategic
6 alliances in Europe. He was also known as the Blood and Iron
7 Chancellor and his brokering set up the conditions that led
8 up to World War I. I think we would prefer to avoid a
9 similar result in the Columbia, and I'd like to suggest some
10 parameters for thinking to get us out of this box.

11 We need a paradigm shift from short-term thinking to
12 long-term thinking. We need a climate in the various
13 management agencies where staff feel free to tell the truth.
14 The pretense of somehow trying to appear evenhanded in
15 various documents, when everyone knows that harvest has taken
16 more than its fair share of hits, creates bitterness and
17 cynicism among members of the public, fishermen and agency
18 employees alike.

19 We need to shift our thinking from focus on
20 immediate gain and quick solutions to a immediate problems,
21 to a long-term concern for the health of the river as an
22 ecosystem. We need a change from thinking about remnant runs
23 and gene pools to thinking in terms of what abundance looks
24 like, if not in our own time, then in the time of our
25 grandchildren and beyond.

1 We need to be thinking about what it means to leave
2 a legacy, not just of our own personal property such as
3 money, jewelry and our stuff, but of diversity, beauty,
4 health and the splendor of a natural world that includes
5 abundant salmon. Thank you.

6 MODERATOR: Rob Bernert.

7 SPEAKER: I'm Bob Bernert with Bernert Barge Lines.
8 I've got about a million concerns regarding the repercussions
9 from removing and breaching the Salmon River dams. Two of
10 them that I've not heard from -- heard any comments on is
11 world hunger and global warming.

12 If we breach the Salmon River dams, we will be
13 making the world's largest single contribution ever to world
14 hunger and global warming. To contribute to global warming,
15 we will burn an additional 1.8 billion gallons of fossil fuel
16 each year to replace the four million horsepower now produced
17 by the emission-free, fuel-free dams.

18 To contribute to world hunger, the United States
19 will destroy the Salmon River navigation system, our highway
20 to the export market, and also remove 35,000 gallons --
21 35,000 acres from irrigation. I have a few interesting facts
22 I'll run through here, first regarding our world's food
23 supply.

24 20 percent of the world's population is
25 undernourished. World population is six billion today. It

1 will be 11 billion 50 years from now. 19,000 children now
2 die each day on this planet from malnutrition. Advancements
3 in pesticides, fertilizers and genetic engineering have
4 helped double the world's food supply in the past 25 years,
5 but the population has almost also doubled in the past 25
6 years.

7 Over three million tons of grain is barged down the
8 Salmon River every year and distributed around the world.
9 One-third of the world's food harvest is grown on irrigated
10 land. We must increase our acreage under irrigation, not
11 decrease it. We must improve our infrastructure, not destroy
12 it.

13 Regarding fish, pit tag (phonetic) studies indicate
14 fingerling survival is as good as before the dams were built,
15 thanks to the many improvements on the Salmon River dams.
16 Chapter 5 of the US Army Corps of Engineers draft Lower
17 Salmon River juvenile salmon migration feasibility
18 environmental impact statement points out the extreme risks
19 of removing the dams due to turbidity problems and so forth.

20 West coast salmon harvest in 1905 was 50 million
21 fish. This is west coast salmon harvest in 1930, it doubled
22 to a hundred million fish. West coast salmon harvest in 1984
23 increased to 150 million fish. By 1990, it was up to 240
24 million fish, a 70 percent increase in harvest between '84
25 and '90.

1 I have a bunch of other facts, but I see my time is
2 up.

3 SPEAKER: I'm Victoria Stoppiello. I live in
4 Ilwaco, Washington, which I refer to as the no longer fishing
5 town of Ilwaco.

6 I wore the right shirt tonight. It says Solar Saves
7 Salmon. The last person referred to the fact that taking
8 down the dams and loosing five percent of our power
9 production would mean that we would automatically go to
10 burning fossil fuels and contributing to global warming.
11 Well, that's not necessary. I think we should be investing
12 in renewables. I think we should be putting a solar water
13 heater on every house. I think we should have wind farms in
14 the Columbia Gorge.

15 We have alternatives to the dams in terms of the
16 power production. As far as I'm concerned, we should go for
17 alternative number four, in other words, the maximum
18 protection approach.

19 Part of my reason is just because I'm a romantic.
20 My father was a commercial fisherman. His father was, and my
21 great-uncle was, too, all from Ilwaco. My dad sold his boat
22 and license in 1980. That's the last time that anyone in our
23 family fished.

24 The other thing the gentleman mentioned was that
25 there's a problem about food production. Well, one of the

1 things is some of the people who have really studied poverty
2 and hunger worldwide say it's not a problem of volume, it's a
3 problem of distribution. Part of distribution problem is in
4 this country because we waste something like 25 percent of
5 the food that's produced in the United States. Let's not
6 dump it on the problem that we've got to feed the world by
7 damming the river and keeping the fish from making it
8 upstream and downstream.

9 The other thing is, I don't have a lot of sympathy
10 for the irrigators. I think something in the last six years,
11 both the states of Oregon and Washington studied the
12 maintenance of the pump stations on both sides and found that
13 roughly half the irrigators didn't bother to put the \$2
14 screens on their pumping stations, therefore pumping smolts
15 and other fish up into the fields.

16 I realize that a \$2 screen was a cost, you had to
17 hire a scuba diver to maintain them. I don't think the
18 irrigators need to continue to get a free ride. If they are
19 to get free water, I think it's time for them to come up and
20 help earn their way.

21 I want to read something very brief. This is from a
22 1948 publication from the Columbia River Packers Association,
23 this is a 1948 publication which referred to the building of
24 these dams in '48.

25 Navigation interests are the principal backers of

1 the dams which have destroyed this resource. They want the
2 taxpayers of the country to spend hundred of millions to
3 (inaudible) for them, a highway toward which they would not
4 make one cent direct distribution either from building or
5 maintenance.

6 Well, that was 50 years ago. It's time to correct
7 that mistake. Our predecessors made some mistakes, we can
8 see that. It's time for us to correct those problems. Thank
9 you.

10 MODERATOR: The next three, Steve Fick, Peter
11 Huhtala, then Anthony Stoppiello.

12 SPEAKER: My name is Steve Fick. I also like Bruce
13 Buckmaster represent Salmon for All tonight. Some of the
14 points I'd like to make are economic points.

15 I attended the meeting in Lewiston. I got a
16 different perspective on this issue. From that meeting, what
17 I came away with was concern for transportation and costs of
18 getting wheat downstream and irrigation. I propose we
19 subsidize those. Breach the dams, drawdown John Day,
20 subsidize the transportation from Lewiston down to the
21 Tri-Cities. From there you can barge it down and they can
22 have business as usual and we can get on with recovering
23 salmon.

24 We've lost 25,000 jobs here in the Astoria area,
25 Columbia River, to this salmon problem caused by the dams. I

1 want to know why a job in Lewiston is more important than a
2 job in Astoria. All we have done is shifted. I don't think
3 that's right.

4 I think, as Mr. Jim Martin said earlier, you're not
5 looking at the clear science. It's just simply being
6 ambivalent about this and not addressing the problems, not
7 coming forth with solutions. It's a delaying tactic that is
8 simply allowing business as usual for everyone else on the
9 river except for us here in the lower river.

10 Sometime you can't keep blaming harvest, you can't
11 keep blaming something else, ocean conditions. We're going
12 to have to address the problem. We're running out of people
13 to blame.

14 I think it's clear that the best science shows that
15 breaching the dams is part of the major solution to this. We
16 have to address that. I also push the Corps' economic study
17 which says there's only \$2 million benefit. I'll challenge
18 that. We can address that at a later time. That's clearly
19 torturing the facts here.

20 Just in my small business alone, I have a processing
21 plant, there's more than that economic impact to myself, and
22 people that work for me. It's just one little processing
23 business.

24 I think that by law you have to -- NMFS has to
25 address the science. They're not a political body. They

1 have to make the best scientific analysis possible and make
2 those recommendations. We have water quality laws here,
3 thermal pollution. We have to address those.

4 Simply if you would follow the laws and follow the
5 laws in the past, we probably wouldn't be in as nearly the
6 perilous situation we're in right now. That's my advice and
7 I'd appreciate your consideration. Thank you.

8 COLONEL ERIC MOGREN: Sir, I just want to make a
9 comment on something. How much I appreciate the fact that
10 you took the time to go up to Lewiston to hear what the other
11 end of the river had to say and what their concerns were. I
12 want you to know I appreciate that. Thank you.

13 SPEAKER: I'm Peter Huhtala, executive director of
14 Seadog, the Columbia deepening opposition group. Really
15 pleased to be here, hi.

16 I had a nightmare last night. Senators Ron Wyden
17 and Slade Gorton were standing out on the deck at the Port of
18 Portland dredge auctioning off the last of the Salmon River
19 salmon. There before me, as the corporate sponsors clapped
20 gleefully, were politicians from the Northwest selling salmon
21 down the river.

22 As my alarm went off, these renegade representatives
23 got a wake-up call. The first federal lawsuit to halt the
24 channel deepening plan had been filed in Federal Court by
25 some seriously powerful plaintiffs. The most aggressive

1 assault ever planned on the Columbia River estuary is now
2 exposed before the entire nation.

3 I believe that the citizens of this country will not
4 stand for this unjustified destruction. The message from
5 salmon lovers from one end of this basin to the other is the
6 same: Stop driving these fish to extinction. We want our
7 salmon back and we want them back bad, but we're going to
8 have to take a couple big steps in my nightmare is to be
9 averted.

10 Yeah, drawdown the John Day reservoir, breach the
11 Lower Salmon River dams, do it swiftly and do it right, and
12 take exceptional care of the good people in the Lewiston area
13 and other areas that are affected by this action. Treat them
14 like royalty for the sacrifices they have to make.

15 The other big step is to change some ways that the
16 Columbia estuary is managed. The deepening project is the
17 worst possible way to manage the Columbia River estuary. To
18 quote a bit from the Valentine's Day card that NMFS got
19 yesterday, the project will have significant unquantified,
20 unexamined and unexplained adverse effects on young
21 salmonoids among a host of impacts, changes in water quality,
22 ecosystem function, sediment transport, turbidity,
23 restriction of contaminated sediments and changes in solidity
24 intrusion in the estuary affecting its productivity and
25 suitability to support salmonoids.

1 Now, we must insist that this plan to eviscerate the
2 lower river be abandoned immediately. Further, if the Corps
3 is going to maintain the present navigation channel, they're
4 going to have to make some changes. We want no new Caspian
5 tern habitat, no more sediments dumped back into the river,
6 utter respect for salmon and other life of the estuary. Stop
7 doing more harm. Stop polluting and degrading this place.
8 We don't make things better by making them worse. Then we
9 can get on with the essential business of making this river
10 better, taking untold numbers of small steps to restore and
11 enhance this watershed.

12 The steps we need to take to nurture salmon from the
13 streams of their birth to their miraculous transformation in
14 this precious estuary to the ocean and hope again, that's the
15 legacy we can leave for our children's children. We don't
16 need to leave a nightmare.

17 MODERATOR: Anthony Stoppiello.

18 SPEAKER: I'm Anthony Stoppiello. I live in Ilwaco.
19 I'm here to speak for all of those that eat salmon,
20 especially the (inaudible) that live in the small streams
21 that eat off the bodies of their dead parents.

22 I want to talk about energy. The Columbia River is
23 one big energy system. We keep ignoring that. If we breach
24 these four dams and drawdown the John Day, we'll be taking
25 one big step for humanity and a small step for salmon.

1 I'd like to tell you what we did for salmon. We
2 live in a house that was built in 1895. We moved into that
3 house in 1992. That house was using 13,460 kilowatthours of
4 electricity. The average house in the state of Washington
5 under the Washington Energy Code used 11,900 kilowatts of
6 electricity. From 1993 to 1996, we did the following:

7 We insulated our house, we put double-glazed windows
8 in our house, we put a foundation on our house, we brought a
9 Sunfrost refrigerator which uses a half a kilowatt of
10 electricity a day, we have a passive solar water heating
11 system on our house which provides us with 60 percent of our
12 water use, we're going to put on a solar PV net metered
13 system which means that the utility company will be paying us
14 the same amount for electricity that we give back that we
15 buy.

16 From 1993 when we were using 10,520 of
17 kilowatthours, we are now using 3,494 kilowatts of
18 electricity, which is a savings of 67 percent. Now, imagine
19 for a moment what would the system, the electrical system,
20 the context look like if we had a 67 percent reduction in our
21 electricity? What would that habitat look like? It
22 certainly wouldn't like what we have now, dams from
23 Bonneville to who knows where.

24 What I would suggest and what I would hope would
25 happen is I would like to see energy as an issue brought into

1 this discussion. What would we do with that saved energy?
2 Let's not sell it. Let's save it and let's take down dams.
3 I would love to see Celilo Falls again in my lifetime.

4 MODERATOR: We're about halfway through the
5 testimony. Folks have been sitting here for about two and a
6 half hours. Why don't we take a ten-minute break. The three
7 people that will be up for speaking, Aaron Huhtala, Dwight
8 Curo, Tom Wolf.

9 (Pause in proceedings.)

10 MODERATOR: We'll resume here. Take your seat so
11 that we can get moving again.

12 COLONEL ERIC MOGREN: Before we start, I'd like to
13 make a point. When I was up giving my presentation on the
14 John Day piece, I mentioned that the brights would increase
15 with the John Day drawdown, and the spring would not. I had
16 my notes transposed. The gentleman caught me on that. He
17 was right. I want to make sure there was no misunderstanding
18 on that.

19 MODERATOR: For those of you who are not coming in
20 here and staying out there, if you could just hold the
21 conversation down a little bit. It sounds like a slow roar
22 in here. If you could quiet down outside or come on in so we
23 can resume.

24 Before we begin the next three presenters, I want to
25 repeat a few of the ground rules. We want you to stick to

1 the three minutes. I know that some of you had more than
2 three minutes to say. If you can try to organize what you're
3 saying in those three minutes so that when the red light goes
4 on, that doesn't mean you have another minute, that means
5 your three minutes are up. I'd like you to wind it up in the
6 next few seconds if you could. We have a lot of other people
7 who want to say something. We'd like to give them a chance,
8 too.

9 The other thing that I heard from a few people, the
10 loud claps and the roars of approval and so forth of
11 supportive of your point of view, but there are other people
12 who may not agree with your point of view. It is a deterrent
13 to them wanting to be able to come up and speak. We have to
14 have a completely fair hearing here and it doesn't do us any
15 good or the people hearing what you're saying any good for
16 the loud demonstration. If you could keep that to a minimum,
17 we'd appreciate it.

18 The third thing I wanted to mention is that the
19 court reporter who is trying to transcribe what you're saying
20 here is having a very difficult time keeping up with some of
21 you who when you reach the third minute or the second minute
22 start speeding up because you realize you only have a minute
23 left, and you have about three-quarters of a speech left to
24 say here. It's sort of double-time after that. We're not
25 recording it. It's doing little good unless you give us a

1 copy of your written comments. But if we're relying on what
2 you've spoken and we can't keep up or follow, and the court
3 reporter can't record it, then it's lost. You might consider
4 that how you say what you want to say.

5 We've got the next three speakers. Aaron Huhtala,
6 Dwight Curo and Anthony Stoppiello.

7 SPEAKER: Hi, I'm Aaron Huhtala. I live in Astoria.
8 I don't eat salmon, but I think we need to save salmon. The
9 \$25 billion or whatever to remove the four Salmon River dams,
10 Ice Harbor, Lower Monumental, Lower Granite and Little Goose,
11 will be a small price to pay for the priceless cost of
12 keeping them. If they're gone, we can't bring them back.

13 One of the deterrents is the Caspian terns feeding
14 on salmon on Rice Island, so we need to act quickly. If you
15 like to see the dams, you know, the powerhouse, spillway,
16 they would stay. 25,000 jobs in Astoria have been lost due
17 to all these dams. Lewiston, they can benefit from not
18 having dams. It's going to be hard, but we can do it.

19 Bristol Bay is pristine. Either -- without dams,
20 salmon won't need to suffer from the supersaturation of
21 nitrogen. They only need to suffer from the agricultural
22 contaminants. They won't be sucked into pumps from farmers
23 that don't take consideration. Irrigated land near the
24 Salmon River are polluting the rivers with pesticides,
25 containing high concentrations of nitrogen and other

1 sediments. The pump stations don't have screens. I think we
2 need to increase the federal regulations and restore 140
3 miles of the river for salmon. Thank you.

4 MODERATOR: I know several people have come up
5 already and crossed their names off because we went ahead and
6 used the tape-recorder out there in the lobby. That's still
7 available for you.

8 The next one is Tom Wolf.

9 SPEAKER: My name is Tom Wolf. I'm the Oregon
10 council chair of Trout Unlimited. I thank you for allowing
11 me to have this time. I'm from Hillsboro. I missed the
12 Portland meeting because I was down playing in Bend when that
13 meeting was going on.

14 First of all, Trout Unlimited is a national
15 organization of 100,000 members, 2,000 here in Oregon. As
16 such, I have a different perspective. We sometimes forget
17 that the Columbia River is not only a Northwest treasure and
18 the salmon of the Columbia River are a Northwest treasure,
19 but it's a national treasure.

20 People from all over the country contact me all the
21 time asking me what are we doing to protect the salmon in the
22 Columbia River system and what we do to ensure they will be
23 around for future generations.

24 Trout Unlimited would like to propose some things
25 that other people already said. First of all, we need to

1 breach those four Lower Salmon River dams. We need to look
2 at our hatchery programs, and we need to in our hatchery
3 programs make sure that we change some of the current
4 practices so that the wild unique genetic traits of native
5 stock are protected.

6 We need to look at our habitat and make sure that we
7 do all to protect the pristine habitat and restore the
8 degraded habitat. We need to look at our harvest methods so
9 that wild fish, when we harvest them, are protected as much
10 as possible.

11 We also need to realize that using wild fish, we can
12 restore the runs, we can bring them back to the levels of the
13 rivers in Alaska, the rivers in Canada, so that someday there
14 will be a thriving commercial fishery here in Astoria,
15 someday that we will be able to use the fish in the Columbia
16 system and feed the people that are starving in other parts
17 of the world. We need to realize that. Unfortunately,
18 people in Lewiston will be harmed, but we can do a lot to
19 help them in their plight.

20 Lastly, I'd like to mention something that hasn't
21 been mentioned, is the sockeye run of the upper Snake. We
22 haven't mentioned that. We haven't talked about that. If we
23 do not remove those Lower Salmon River dams, that stock will
24 go extinct. Extinction, as people will tell you, is forever.
25 Thank you, very much.

1 MODERATOR: Kent Martin.

2 SPEAKER: Ladies and gentlemen, my name is Kent
3 Martin. I've been a commercial gillnet fishermen on the
4 lower Columbia River and Alaska for over 40 years. I
5 wouldn't dream of posing as an expert on hydraulics or
6 fisheries biology, but I remember vividly what the fishery
7 was like here 40 and 30 years ago. I most assuredly am an
8 expert on harvest.

9 In recent decades, I've seen harvest with the
10 remotest connections to Salmon River salmonoids virtually
11 eliminated in the Lower Columbia and reduced in significance
12 all over the Pacific coast. Still publications from the US
13 Army Corps of Engineers and NMFS are liberally sprinkled with
14 suggestions of further harvest restrictions or a ten-year
15 moratorium.

16 The aforementioned, even though in the last five
17 years harvest mortalities for Salmon River while the spring
18 Chinook in the Lower Columbia have averaged zero, less than
19 (inaudible) fish and the treaty catches averaged about 37
20 fish.

21 Hydroelectric dam passage losses on the other hand
22 have averaged 221 fish, a whopping 38 percent of the run.
23 Turning to Salmon River wild fall Chinook, passage losses
24 exceed all harvest mortalities, ocean and in-river combined.
25 Moreover, if one factors in the juvenile mortalities and

1 converts them to adult equivalents, accounting for disease
2 and degradation, we find that the hydrosystem harvests 88
3 percent of the adult population.

4 So why is harvest still on the table and why are
5 harvest regimes of seven and eight decades ago
6 enthusiastically paraded before the public? Because the
7 moral leadership, and using "moral" in its most poetic sense
8 here, has been assumed by those business interests and groups
9 who are competing for the resources that salmon must have to
10 survive: cool, clean, free flowing water.

11 The public agencies who should be providing moral
12 leadership in the form of clear choices based on objective
13 science have been reduced to pandering dubious swamp root
14 salmon recovery schemes to the public that leaves the Salmon
15 River system entirely intact and calls for yet more studies,
16 of course.

17 I would agree that all of the studies and hearings
18 are aimed at saving -- I would argue that all the studies and
19 hearings are savings even expanding the commercial industrial
20 sector, not the salmon population. Indeed, more studies and
21 proposed techno fixes are a win-win for the business
22 community in the Columbia-Snake system. Every day of delay,
23 there's another day of business as usual.

24 Finally, I want to talk about the economic study
25 that the Corps proposed. It was called improving salmon

1 passage of December 1999. Once again, I can only comment on
2 those portions that bear on my expertise.

3 I find it unbelievable that on page 39, the Corps
4 would purport that dam breaching, which would reopen 140
5 miles of prime fall Chinook spawning and rearing habitat, a
6 70 percent improvement, would create only 249 long-term jobs
7 in the Lower Columbia and on the entire coast.

8 You will have to excuse me, but I remember what the
9 existing fishery was like. Even modest increases in
10 populations would allow a few incidental takes in harvest and
11 have enormous benefits from the treaty Indian fishery clear
12 to southeast Alaska. That a public agency would pointedly
13 ignore such factors in its economic analysis is not
14 surprising to a cynic like myself, it is after all an
15 election year.

16 MODERATOR: I apologize. Mr. Martin was the first
17 of three. I should have mentioned that the second speaker
18 was to be T. Jefferson, and the third one is Don Abing.
19 Mr. Jefferson, T. Jefferson, not sure if it is mister. Thomas
20 Jefferson.

21 SPEAKER: Humble servants of the Republic, people of
22 Astoria, I Thomas Jefferson am roused from my eternal rest to
23 set right the scurrilous shadows cast upon my name and the
24 name of my most beloved soldiers by many of those who settled
25 this grandness of the Upper Louisiana Territory you call the

1 Northwest.

2 Listen carefully lest one of your politicians
3 misquote me as Westerners so frequently do in defense of
4 their skullduggery. I gave no instruction to Captains
5 Lewis and Clark that they should find the most magnificent
6 bounty of salmon in the world, only so a nation could come
7 forth and lay ruin to it. To do so would have been a crime
8 upon this country, upon this community, and native peoples of
9 this land.

10 Rather, they were dispatched to find the Northwest
11 Passage and in seeking that route expressly told they must
12 cultivate peace, harmony and good neighborhood with the
13 native peoples that they encountered.

14 My vision was that we become partners with these
15 peoples during the 100 generations that I estimated it would
16 take to fill the Upper Louisiana. Imagine my heart when I
17 read these words of Captain Lewis telling of discoveries of a
18 place not far from where we are tonight. "We proceeded to
19 the top of the mountain and faced the sea. From this point,
20 I beheld the grandest and most pleasing prospects which my
21 eyes ever surveyed. And to my front, a boundless ocean, a
22 most romantic appearance. My men told of rivers so thick
23 with salmon that one could travel across its banks on the
24 backs of these majestic fish." The telling of the mighty
25 Columbia River, Captain Lewis wrote, "This immense river

1 water is one of the fairest portions of the globe. As we
2 passed on, it seemed scenes of visionary enchantment would
3 never have an end."

4 How in error both Captain Lewis and I were. In a
5 tenth of the time that I estimated, my nation's citizens both
6 settled the Pacific Northwest and greedily all but erased the
7 majesty of this land. An unmatched bounty of salmon
8 disappears in the clutches of profligate waste.

9 In these modern times, the thundering majority of
10 the citizens of the Republic, as at this hearing, are calling
11 upon you to remove four dams and give the salmon back the
12 essence of what they must have, a free flowing river. The
13 message is for more than just salmon, but for the
14 preservation of democracy. These are rivers of the people,
15 not the rivers of a moneyed few who seek to intimidate and
16 ignore the people of the country.

17 Your duty is to honor the tradition my men
18 established here nearly 200 years ago, to right the wrong of
19 such heartless destruction of nature's richness, to make your
20 violations of your promise to the natives of good
21 neighborhood and peace. Such will require a stiff measure of
22 what many so-called leaders lack: courage.

23 You've heard it from my allies, Captain Lewis and
24 Clark, we have seen your prowess as damning the salmon, now
25 it's incumbent upon you to restoring the bounty of salmon

1 this region once possessed, a task you can only accomplish if
2 you chart your way as the dam-dismantling Corps of recovery.
3 I thank you.

4 MODERATOR: The next one is Don Abing.

5 SPEAKER: That's pronounced Don Abing. Thank you
6 for allowing me to speak briefly with you tonight. I know
7 you're not from this community. I'm here to paint a small
8 picture of a person that's blue-collar. I'm not a commercial
9 fisherman, although I butt heads with that user group.

10 Actually, I'm speaking on behalf of two displaced
11 user groups. My family, my wife who is a Native American,
12 and my children and grandchildren, who are also Native
13 Americans, belonging to the proud Chinook tribes of the
14 Pacific Northwest.

15 As a young lad of 18, I should say I'm here only
16 because my son said, "It's your last chance on earth to speak
17 your peace." Here I am in just a short plus 50 years,
18 incredibly amazed as how fast the dams have proliferated the
19 entire Columbia River system.

20 As a young lad of 18, I joined many hundreds of my
21 age group that supported themselves through school and other
22 activities as a by-product of the commercial fishing industry
23 here in Astoria, Oregon. As a native Astorian, I enjoyed
24 working the summer months processing salmon. We were
25 processing salmon many, many times throughout the years,

1 throughout a calendar year.

2 I am proud to have worked or been employed with the
3 once proud Elmore Cannery in Astoria, Oregon. Few people
4 here know - I don't know if you do - that that was a living
5 cannery at one time that was on the National Historic
6 Register list. Of course, it went by the way of everything
7 else, was destroyed in a fire, everything else gone.

8 But anyway, also I just wanted to say that I'm sad
9 to be able -- not to be able to pass anything but pictures of
10 times that I had spent as a young lad fishing for spring
11 Chinook salmon that were bound for the Salmon River. I also
12 am proud to have been part of a small part of history of
13 sport fishing -- excuse me, sporting goods store here in
14 Astoria, Oregon, that has long gone that at one time received
15 a fantastic award for selling a humongous amount of sport
16 fishing gear that supported several families, and one in
17 particular.

18 The part that disturbs me the most is that I can
19 empathize with those people, the irrigators, the people of
20 eastern Washington and Oregon, but I can't sympathize with
21 them. I know they are now on the eve of what our families
22 have experienced living here in this community.

23 MODERATOR: The next three, Herman Mende, Les Clark,
24 then Carl Merkle.

25 First off is Mr. Mende.

1 SPEAKER: Thank you. It's not easy following these
2 great speakers, especially the great white father, Thomas
3 Jefferson. I come as yet another Sierra Club activist and
4 retired federal employee.

5 I command you, Colonel, on your professionalism and
6 the great civil service you brought to us tonight to explain
7 all the facts. As the Sierra Club, we often have to go to
8 court to have help (inaudible) along to enforce the law that
9 Congress made. We know no matter what plan you come up with,
10 how better Congress will short you on the funds to put it
11 forth. You know that.

12 Sierra Club, it's do or die time for the salmon on
13 the Snake. If the dams stay, the salmon go extinct 30, 40
14 years ago, I went up and saw these wonderful fish ladders
15 that were supposed to solve all the problems. Then we have
16 fish friendly turbines. All these wonder vessels had gone to
17 not. \$3 billion is wasted.

18 Yes, there are statistics. There's minimalizing.
19 But the salmon are still on their way to extinction. We
20 would help you. I'm not going to say to (inaudible), maybe a
21 little better, but there's plenty of money to do better.

22 There's no flood control on these four dams. Power,
23 there's only five percent. Not a big deal. Get rid of them.
24 As far as irrigation, there's 13 pumps that need to be built
25 down at water level which would take care of the irrigation

1 needs. There's also shipping of grain up and down the river.
2 China has a \$60 billion deficit with us. We're feeding China
3 and Russia, carrying grain down. Perhaps they could chip in
4 a little and subsidize. We don't need to subsidize deficits,
5 do we? That's on the transport.

6 Yes, there's a lot of wind going up and down this
7 Columbia River gorge. In fact, there's even some hot air.
8 Sometimes hot air comes from the east. Power can easily be
9 replaced. They say just on the great planes of the Midwest
10 that we have 1100 percent power just from the wind. Of
11 course, you have to be very careful because these windmills
12 kill the birds and we will be out again to protest your
13 killing of birds.

14 But I come not as a cynic, I come as part of the
15 majority that will prevail. So when we merely transfer some
16 of the costs from the subsidies of the corporations, take
17 them off of a little welfare, and put it in for the good of
18 the river.

19 I wanted to mention that I went to two congressional
20 hearings put on by John Dolittle who wants to build a very
21 large dam, we have to march around chanting, "No dam,
22 Dolittle." San Jaochim with the dam that went in near
23 Fresno, it killed the salmon. There's a lot of people
24 waiting for all the salmon to die so they can go on with big
25 business. Amen.

1 MODERATOR: Les Clark.

2 SPEAKER: Thank you, panel members. My name is Les
3 Clark. I live in Chinook, Washington. I'm representing the
4 Northwest Gillnetters Association today.

5 I'm thinking back a little bit. I guess I'd have to
6 go back about 30 years when the lower four Salmon River dams
7 were built. At that time the salmon industry on the lower
8 river took a look at the fish passages that they had on those
9 dams, and they were absolutely atrocious. We knew when those
10 four dams went in at that time that we were road kill. Now
11 30 years later, I'm not surprised that I'm standing here
12 testifying because we knew it then what we'd be looking
13 forward to now.

14 When those dams were built, the rest of the dams,
15 what we really needed was an allocation of water for the
16 fish. If the fish would have at least a fair break with all
17 the rest of the allocations that were going to come into
18 effect, they could have held their own. But without a water
19 allocation, and everybody else had water allocations, they
20 didn't have a fair break.

21 So we are at this time trying to come up with
22 solutions. I'm not going to be repetitious of a lot of the
23 other statements that have been made. They've been great
24 statements.

25 So I have to say that water is a very precious

1 commodity. All users need water. The farmers need water.
2 The fish need water. The whole basin needs water. But we
3 have to come up with a balance. We have to come up with a
4 balance so we can retrieve some of the mistakes that we have
5 made. We have lived and learned by them. So we don't need
6 to repeat those mistakes.

7 We took the commercial industry off of the summer
8 Chinooks in 1964. We're still in the same sorry state right
9 now. We was off of the Chinook in '77. We're still in a
10 sorry state right now. We talked about lease back, buy back.
11 The industry stepped up and made an effort to put our harvest
12 on the table for rebuilding runs. We still had a couple
13 groups fishing on both sides, so we wondered how much our
14 effort was being done to produce those fish to the spawning
15 grounds to rebuild runs.

16 So we have a lot of things hanging out there that is
17 not being considered and hasn't got finished. So you people
18 have those decisions to make. I hope the studies will prove
19 some of these things that we will see the light to bring
20 these fish back.

21 So I would echo the comments made by Glen Spain, Don
22 Swartz, Sam, Jay, the basin four treaty tribes that we
23 (inaudible) with those people. Thank you.

24 MODERATOR: Carl Merkle? We'll go to the next list
25 of three then. Bill Hebert, Steve Gray and Kathy Taylor.

1 SPEAKER: Hello, I'm Bill Hebert. I was raised in
2 Port Angeles. I started commercial fishing when I was a
3 junior in high school, salmon trolling. We used to fish from
4 Alaska all the way down to California. We had a pretty good
5 life. We enjoyed -- I enjoyed the fish, I enjoyed the ocean,
6 the very clean and healthy.

7 But now I can see that my hindsight that we have is
8 maybe not going to be enough. If we're going to be really
9 realistic about it, honest and logical, instead of political
10 and do what someone thinks is right versus doing the right
11 thing.

12 Say 30 years from now things prevail, there are no
13 more fish, the aluminum industries are almost gone, lumber,
14 and therefore clean air is going. The rest of the planet is
15 warming, the polar caps are melting. We've decided that we
16 have to live under domes now because the radiation content
17 has increased because the ozone has decreased.

18 Perhaps this is the way of mankind. If we're not
19 able to learn from each other and truly understand reality,
20 it will teach us a lesson that we do not have to survive. We
21 can be dead. We can no longer make decisions that involve
22 our planet. Our planet will do it for us.

23 See, Mother Nature is many more times stronger than
24 man, and therefore Mother Nature will win when she wants to,
25 and man may decide, and women may decide, to fight back for

1 the right thing, if we fight back soon enough, quick enough.

2 See, all these hearings and compilations of data may
3 never be fast enough or soon enough to fix the problem. It
4 took how many years to get where we are now? Logic dictates
5 it will take that many more years to come back to where we
6 were.

7 So if we breach the dams, I say we have to breach
8 them all. One, we have to consider alternative power
9 sources, clean power sources that are technologically
10 available now, solar, electrically solar, tidal energy, wave
11 energy, and go on to these, grow, develop, instigate new
12 ideas. If we do not do this, the dams will be just one of
13 the dominoes that will leave man to his own deathly outcome.

14 Now, I was going -- three minutes are up. I wasn't
15 looking at the light. Sorry. I'll be precise now.

16 What I wanted to do was tell you what was on this
17 piece of paper. After everybody talking about technical
18 information, I thought it was my moral obligation to scare
19 you into reality. That little red light bulb is not real to
20 me because the reality is its value is not as important as my
21 words. If you don't hear my words, then I don't have much
22 value either.

23 MODERATOR: Steve Gray.

24 COLONEL ERIC MOGREN: If you'd like to enter the
25 written piece into the record so we have that, even though

1 you didn't read it, we'd --

2 SPEAKER: Too many misspelling errors.

3 MODERATOR: Steve Gray not here. Kathy Taylor.

4 SPEAKER: I'm Kathy Taylor. I'm the director of
5 CREST, the Columbia River Estuary Study Task Force. CREST,
6 as many of you know, is a council of governments, including
7 Washington and Oregon, cities, ports, and counties, soil and
8 water conservation district, surrounding the Columbia River
9 estuary.

10 CREST has been dealing with salmon issues among
11 others in the Columbia River estuaries for over 25 years.
12 I'm glad that you see fit to seek input from the communities
13 surrounding the Columbia River estuary here on the subject of
14 salmon recovery. The communities here really care about
15 these issues a lot as well as other issues related to salmon
16 decline.

17 CREST has been involved in giving input on Columbia
18 River channel deepening project at every stage at which input
19 has been allowed. Our governing body, CREST Council, which
20 is elected officials from the local governments, cities,
21 counties, port districts, directed CREST staff to look at the
22 environmental impact statement for the channel deepening
23 project to see what impacts the Columbia River estuary
24 communities and the estuary itself would likely have from
25 that, see if there's any reason for the communities

1 surrounding the Columbia River to be concerned.

2 After our analysis, we came up with some issues that
3 were of concern. We have shared those in a formal comment
4 letter with the Corps of Engineers. We have shared those
5 with the public through several public meetings. We have
6 also shared those concerns with the Federal Caucus through a
7 formal letter which we've not received any apply from so far.

8 I hope that the Federal Caucus will seriously
9 consider all of the tough choices involved in salmon
10 recovery, including the impacts of the proposed channel
11 deepening project. The channel deepening project stands to
12 harm our already dwindling stocks of salmon, and so far I
13 have not seen the Federal Caucus give that issue much
14 attention. I hope that's corrected.

15 MODERATOR: The next three, and I'm not sure if I'm
16 pronouncing this correctly, Maria Denison, second one is
17 Chuck Blight, next one is Rena Taylor.

18 SPEAKER: Hi. The lower --

19 MODERATOR: Say your name.

20 SPEAKER: I'm Marcie Denison. The four Lower Salmon
21 River dams must be breached. Ever since our mountain
22 watersheds were clear-cut, our forests scraped of absorbent
23 topsoil, people below have been told they are in a floodplain
24 and have to put their houses on stilts. Let's put the dams
25 on stilts and let the salmon through.

1 The Snake and its many tributaries and springs have
2 been rightfully home to salmon for millions of years.
3 Farmers have no right to waste water by spraying it into
4 the -- spraying it into hot summer air. Most of it
5 evaporates before it hits the ground. Drip irrigation
6 doesn't waste water.

7 The fishermen have as much right to work as farmers
8 do. No one has a right to destroy an Indian treaty or make a
9 species go extinct. If one species was making all the humans
10 go extinct, we'd be all upset about that.

11 Design dolphin-safe release traps to replace
12 gillnets. Let's have a second channel across land for bay
13 drainage, riprap where no harm to habitat has been surveyed
14 first. Clear-cuts by ODF on Hahn Bray Ridge and above snow
15 lines throughout the state land must be outlawed. Not move
16 your town where it's in the way of our logging impact. Not
17 move your salmon that's in the way of our dams. Empire
18 building Washington was a Roman thing. Maintaining our
19 natural resources is more delicate and more important.

20 Let the salmon go home to the Snake system spawning
21 grounds. Plus please don't dredge the Columbia any deeper.
22 Also hot water from the land causes global warming and
23 weather changes. Outlaw clear-cutting everywhere. Thank you
24 very much.

25 MODERATOR: Chuck Blight? If not, Rena Taylor.

1 SPEAKER: My name is Rena Taylor. I appreciate you
2 having these meetings. I'm a local teacher. I've been an
3 educator for 15 years. The Corps of Engineers has, I
4 believe, over the years become a bit impaired in their
5 ability to be compassionate toward the people it serves and
6 also in their ability to think critically.

7 In the past 100 years, the eyes of many landowners
8 and communities have witnessed injustices and exercises in
9 futility.

10 Dr. Robert Ornstein (phonetic) of Stanford
11 University, who was with Richard Perry in the split brain
12 research, was a part of the team that received a Nobel prize,
13 speaks of the western intellectual tradition, otherwise known
14 as TWIT, and of the SOB, or same old brain. It would seem
15 that this genre of thinking, which the Corps seems to use
16 when it creates its panels of documentation, such as the
17 Columbia River deepening FEIS, is just much too rampant.

18 I would encourage with my neighbors that the dams be
19 carefully and considerately breached. I would also recommend
20 that the US Army Corps of Engineers possibly consider some
21 community service repairing some damages already done. Maybe
22 you could begin with the removal of Rice Island created by
23 the Corps where more than 20,000 Caspian terns now feed off
24 of buckets of salmon smolts by the hour. It is no longer
25 acceptable to do your accounting without accountability.

1 Thank you.

2 MODERATOR: The next three, Sandra Moilanen, Charles
3 Wooldridge, Pete Ferrero. Is Sandra here? Charles
4 Wooldridge?

5 SPEAKER: My name is Charles Wooldridge. I'm from
6 Tillamook County. Born in Spokane. I've lived in Oregon for
7 44 years. In that time, I've really grown to love the state
8 and all the many things that are here.

9 What I'm reminded of tonight, what I've been reading
10 about, is something that I'm proud of in Oregon. That is
11 when issues come up and they deserve a lot of consideration
12 and weight, eventually something rises to the surface which
13 we can count on here in Oregon, and that is common sense.

14 Part of that common sense has to do with habitat.
15 For me, the habitat issue in the Snake is the four dams.
16 NMFS, if your job is to properly manage salmon, there is only
17 one choice, and that is to remove the dams. Army Corps of
18 Engineers, if all true economic realities are considered,
19 there is only one choice, and that is to remove the dams.
20 These waters that calling wild fish back. They need those
21 dams gone. That's all.

22 SPEAKER: I'm Pete Ferrero, originally from Chicago.
23 I remember rivers dying because various bureaus and
24 politicians favored industry. I saw catfish by the thousands
25 belly up and scream to the shores to escape the poisons. I

1 know what that is. We're dealing with lots of things,
2 poisons and lots of things.

3 With the economic study, I would like to see a
4 continuance of the study outside of the basin, down river
5 through to the Columbia River plume. Can you imagine how
6 many hundreds of millions of dollars that represents that the
7 Corps has not invited into the discussion?

8 I also would like the Corps and its face people,
9 you, Colonel, your generals, you have names, you have
10 children, you have parents, and I wonder what your legacy is
11 going to be. Is it really going to be honesty? I don't
12 trust them for a minute. Unfortunately, I want to trust you,
13 but I don't for various reasons that I think have already
14 been spelled out.

15 What I'd like to do is just read a poem, a little
16 aesthetic maybe. It's entitled salmon.

17 When rains subside in summer months, waters settle
18 from winter's fury.

19 Ripplets form as migrants glide, their fluid forms
20 which heed no hurry.

21 Betray the frenzy yet to happen, beneath the cooling
22 alder lotion.

23 In shallow pools with gentle currents, they lay in
24 wait, their transformation.

25 The surface calm, reflective shimmers, with

1 micro-ships their blossomed sails.
2 Concedes to rites of ancient times, as hooked beaks
3 meet the slash of tails.
4 Great oceans serve their platters full of herring,
5 shrimp and sometimes krill.
6 By sun, the stars, a scent to trail, they home their
7 flight to water's still.
8 Their silver scales reflect a rainbow when time
9 draws near to procreate.
10 Clear waters churn and choke with silt as darkened
11 bodies seek their mate.
12 Carved nests of gravel by undulation serve as womb
13 to milt and roe.
14 Water foams with fish in torrents strewn, with river
15 milk, their seeds to sow.
16 Within a moon, the beds lay silent, no splash or
17 waves will break the night.
18 Scarred and rotting, last gasps of life, reserve
19 like kind in noble sight.
20 Corpses corrupting along the bank, sustain the
21 young, those yet unborn.
22 Through winter's storm of ravaged flows, this
23 species sinews stretched, not torn.
24 Yet this fish of fishes remains in contest not with
25 nature's stresses.

1 Tis dams and 'cides beyond description which rape
2 this fish by man's transgresses.

3 Thank you.

4 MODERATOR: The next three. Bob Rees, Don Tuschoff
5 and Doug Thompson.

6 Bob Rees.

7 SPEAKER: My name is Bob Rees. I'm commenting on
8 the 4-H paper. I am a full-time fishing guide educated in
9 fisheries technology. I received over -- I derive over half
10 of my annual income from the Lower Columbia Lake, formerly
11 known as the Columbia River. I represent a tiny portion of
12 the community that depends on Columbia Lake salmon as a
13 source of income: Charter operators, Native Americans,
14 fishing guides, commercial fishermen, motel owners, bait and
15 tackle shops, gas stations, both manufacturers and scores of
16 other micro-industries also depend on the Columbia salmon to
17 provide for their families.

18 Fortunately we now have the science to save Columbia
19 Lake salmon from extinction and save these important
20 industries from destruction. After years of pointing fingers
21 at who's to blame for the decline of our salmon, we refuse to
22 do that any more. The problem is obvious: hydropower.

23 Breaching the dams is the only option we have left.
24 We lose ten percent of the total downstream migrating salmon
25 at each dam. The carnage must stop. Cutbacks in hatchery

1 production will further destroy our economies. Modifications
2 are being made to solve hatchery and wild interaction.
3 Reduction in harvest levels is not the answer. Sport and
4 commercial fishermen lost those opportunities decades ago
5 when closures were placed on Columbia spring and summer
6 Chinook fisheries. Those runs continued to decline.

7 The answer is to breach the dams. The effect is
8 immediate, decisive and efficient. Restore Columbia Lake to
9 the free flowing, salmon producing Columbia River and do it
10 soon before it's too late. Thank you.

11 MODERATOR: John Tuschoff. Doug Thompson.

12 SPEAKER: Good evening. The hour is late. I'm
13 tired. How about you? My name is Doug Thompson. I am a
14 member of the Astoria City Council. I'm proud to represent
15 Ward 3. I also represent the City of Astoria on the CREST
16 Council, and I also have the pleasure of serving on the board
17 of C Resources, Incorporated, a 30-year-old non-profit
18 hatchery program that's engaged in watershed restoration
19 across the river in Chinook, Washington.

20 In the interest of time, I'm not going to touch on
21 hatcheries or harvest. I want to confine my remarks to
22 habitat and hydro.

23 In terms of habitat, I don't think frankly, I don't
24 mean to pick on any one agency, but I don't think NMFS can
25 talk to us very credibly about habitat issues. I know you've

1 called out for the importance of habitat. We know that. If
2 NMFS in particular was interested and serious about habitat
3 issues, you wouldn't have issued the biop you did on channel
4 deepening. You can't talk about habitat and the estuary and
5 dig that ditch deeper.

6 In terms of hydro in the four Snake dams, I want to
7 tell you, I've been an elected official for about ten years.
8 It occurred to me that there was a moment when I knew that
9 those four Snake dams are going to come out. That occurred
10 slightly less than a year ago when Oregon Senator Gordon
11 Smith and Representative Greg Walden held I forget what they
12 called it, a summit of sorts in Pendleton, and they announced
13 that the four Snake dams were off the table, no longer for
14 discussion, now we can get on with the serious business of
15 talking about salmon recovery. That's the moment I knew
16 those four dams were coming out. I don't know when, but I
17 know they're coming out.

18 Despite ten years as a politician, I remain an
19 optimist. I'm not a cynic. I'm optimistic for several
20 years. Number one, you're here tonight, and I thank you for
21 coming. Number two, there was a lawsuit filed, and I know
22 how that's going to come out. We're going to win. Number
23 three, there is a powerful river-long coalition that is
24 formed around salmon recovery composed of conservationists,
25 commercial fishers, sports fishers, tribal fishers, and the

1 businesses who will benefit from salmon recovery.

2 For those of us who are serious about saving salmon,
3 and please believe us, we are very serious about salmon
4 recovery, we have a science on our side, the economics, the
5 law, and the people. Those dams are coming out. Thank you
6 very much.

7 MODERATOR: We have the last group of three here.
8 Robert Warren, Matt Van Ess and Stan Johnson. Is Robert
9 Warren here? Come on up.

10 COLONEL ERIC MOGREN: Those are the last three that
11 have signed up?

12 MODERATOR: Yes.

13 COLONEL ERIC MOGREN: Anybody else here who wishes
14 to make a statement that has not signed up?

15 SPEAKER: My name is Robert Warren. I am the
16 natural resource specialist for CREST. I've just got a brief
17 statement here. You'll be hearing from us in the future in
18 more written detailed format.

19 I would like to direct my comments on the All-H
20 Paper and specifically towards the habitat issue.

21 We at CREST are encouraged to see the increased
22 level of awareness and attention being focused on the estuary
23 and its critical role in supporting salmon of the Columbia
24 River base. New and existing data suggest that the estuary
25 can be limiting with regards to smolt survival and fitness.

1 As you have heard, we are currently faced with a proposed
2 federal action that by most accounts has the potential to
3 continue the long-term trend of habitat degradation in the
4 estuary and in the lower river. I'm speaking of channel
5 deepening.

6 The National Marine Fishery Service has released a
7 favorable biological opinion with associated terms and
8 conditions that includes intensive monitoring and restoration
9 efforts, efforts that could cost tens of millions of dollars.
10 Fulfillment of these terms and conditions are contingent upon
11 congressional appropriation of funding. If sufficient
12 funding is not provided, there is no real assurance that any
13 restoration or monitoring will take place, especially
14 considering most of that mitigation and monitoring is to
15 occur after the construction of the 43-foot channel.

16 We have seen no statement from the Corps that it
17 agrees with NMFS' assessment of impacts or it is committed to
18 make a sincere effort to fully comply or secure funding to
19 comply with the terms and conditions. This federal action
20 appears to be in conflict with the goals and objectives of
21 the recovery plan proposed by the federal caucus.

22 "The objectives of habitat options under
23 consideration by the Federal Caucus are to prevent further
24 degradation to tributary and estuary habitat conditions and
25 water quality, protect the existing high quality habitats and

1 restore habitats on a priority basis."

2 It is our opinion after having reviewed the final
3 and the draft EIS that construction of the 43-foot channel is
4 likely to degrade water quality and is likely to result in
5 diminished habitat complexity among other things.

6 It's also been our observation, both as an observer
7 and as a participant in the NEPA process, at least in this
8 case, that we have perceived the susceptibility of some state
9 and federal agencies to political pressure. For this reason
10 we believe there is a real need for greater accountability of
11 all federal actions to ensure that the interests of the
12 natural resources are adequately represented and protected.
13 Thank you.

14 MODERATOR: Matt Van Ess.

15 SPEAKER: Good evening. My name is Matt Van Ess.
16 I'm the coastal planner at CREST. Thanks for the
17 opportunity. I'm comments on the all H's.

18 About a year and a half ago, CREST received a 2000
19 page plus now infamous channel deepening EIS released by the
20 Corps of Engineers and sponsored by the upriver ports.

21 On review of the draft EIS, CREST found that channel
22 deepening as proposed would result in significant impacts to
23 the natural resources of the estuary, threaten salmon
24 recovery efforts in the Columbia River basin and harm the
25 local economy.

1 CREST also found upon review that the draft EIS
2 violated the Natural Environmental Policy Act, the Endangered
3 Species Act, Coastal Zone Management Act and the Clean Water
4 Act. Our comments on the draft EIS were ignored and a final
5 EIS was relieved.

6 Here is a copy of the Oregon Department of Land
7 Conservation and Development disagreement with the Corps's
8 determination of coastal zone consistency. In other words,
9 channel deepening violates the Coastal Zone Management Act.
10 Latest news as of today, yesterday I guess, is the Northwest
11 Environmental Advocates, et al., complaint challenges the
12 National Marine Fishery Service no jeopardy biological
13 opinion on channel deepening. It violates the Endangered
14 Species Act. NEPA and Clean Water Act suits are also
15 justified and may follow.

16 The Corps did not listen to our concerns. They made
17 little adjustments to the final EIS. Now the Port of
18 Portland's plan to deepen the river three feet at the expense
19 of the natural resources and communities of the estuary is in
20 jeopardy. They didn't listen.

21 I also have a letter here of November 19th, 1999
22 letter that Kathy Taylor, my boss, referred to. It's a CREST
23 letter to the Federal Caucus. We emphasize the importance of
24 the Columbia River estuary for salmon, that all out-migrating
25 smolts and in-migrating salmon (inaudible) Columbia River

1 basin must pass through and spend time in the estuary.

2 The letter also emphasizes the impacts to salmon
3 that will occur from channel deepening.

4 CREST asks then and will ask again now for the
5 Federal Caucus to add dredging and dredge material disposing
6 to the habitat alteration and conservation dialogue of the
7 all H salmon recovery. Thanks.

8 COLONEL ERIC MOGREN: Do you want those documents in
9 the record?

10 SPEAKER: Sure. I'll enter two of them.

11 COLONEL ERIC MOGREN: Just hand them up to me. I'll
12 make sure they get in.

13 MODERATOR: Mr. Johnson.

14 SPEAKER: My name is Stan Johnson, local commercial
15 fisherman. We have paid for turning this river into a series
16 of lakes drained by a ditch with salmon. If we wish to save
17 the salmon, the four Salmon River dams have got to go.
18 However, even that will be in vain if we don't also control
19 predation by birds and marine mammals. We have to have the
20 courage to do all that is right for salmon on all the river,
21 but we have to have the courage to pay the debt with salmon
22 that our development requires.

23 The salmon and the dams are not compatible. We
24 cannot have both. The cost is much too high. Thank you.

25 MODERATOR: One more speaker, Jerome Arnold. Is

1 there any else who wants to speak here tonight? This is our
2 last speaker.

3 SPEAKER: My name is Jerome Arnold. I reside in
4 Cannon Beach. I'm a member of the Clatsop soil and water
5 conservation district, I'm the director.

6 What I want to talk about is mitigation. Some of
7 the mitigation that has taken place in other times, like when
8 they went to build the dams, they said any side effects like
9 loss of salmon and stuff will be mitigated through the use of
10 hatcheries. Well, I fish. They thought that mitigation
11 would, you know, fix that side effect. Well, it's pretty
12 obvious that it didn't.

13 These other -- the dredging mitigation there won't
14 take place at some time after the dredging has been done, and
15 meanwhile if the fish go extinct, we don't have any problem
16 and we don't have to worry about it and won't even have to
17 mitigate because there won't be anything to live in there.

18 I wanted to be rather -- speak for somebody that I
19 don't really have the right to speak for. That's the tribal
20 fishers. From my understanding, the tribal people that live
21 here, to them salmon are literally their brothers and
22 sisters. The salmon represent something very much larger to
23 those people, and they should to us. They represent courage.
24 They undertake incredible journeys and overcome incredible
25 obstacles. They can't make it over the dams.

