

BIPARTISAN CONGRESSIONAL PANEL

PUGET SOUND MEETING

Congressional Meeting on the Survival of Returning Adult
Salmon and Steelhead

Carwein Auditorium
Tacoma Campus
University of Washington

Wednesday, October 12, 2005

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1 P-R-O-C-E-E-D-I-N-G-S

2 SPEAKER: Next on TVW, a public meeting on the
3 Pacific Northwest Salmon Preservation with congressional
4 state and policy group representatives takes place in
5 Tacoma on October 12th.

6 MR. DICKS: -- and someone who is very
7 interested in this issue and my colleague from the Third
8 Congressional District, Brian Baird. I'm Congressman Norm
9 Dicks. This is actually my district, the Sixth District,
10 in which we're having this meeting. And I think we're
11 going to open here with our opening statements.

12 I want to thank all of you for coming and
13 participating in this meeting to discuss the survival of
14 returning adult salmon and steelhead. We are here today
15 to discuss what many people refer to as the four H's,
16 Habitat, Hatcheries, Hydropower, and Harvest. And for my
17 friends in the environmental movement, I want you to know
18 we haven't forgotten that hydropower is an issue, as we
19 heard about yesterday.

20 I am particularly interested in gaining a better
21 understanding of the role salmon harvest plays in the
22 region's effort to recover salmon. However, before we

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1 begin our discussion about this important issue, I want to
2 make something very clear. Our desire to better
3 understand salmon harvest must not be interpreted as
4 putting less importance on the role of the other H's,
5 Habitat, Hatcheries, and Hydropower in the recovery of our
6 salmon and steelhead.

7 All of the H's must be addressed if we are going
8 to recover salmon and steelhead. Our effort to improve
9 salmon habitat must and will continue. And I'd been
10 working on this going back to 1999, during the Clinton
11 administration, when we got -- Vice President Gore helped
12 us put in a \$100 million in the budget, which we've been
13 able to sustain at, you know, 100 to 90 and up and down
14 over the last six years. And I have been very
15 appreciative that the Bush administration kept that
16 funding in the bill, which helps habitat recovery
17 throughout the Pacific Northwest.

18 Our hatcheries must be managed in a manner
19 consistent with the needs of wild salmon. We have begun
20 that effort with the Puget Sound in west -- on Washington
21 coastal hatcheries. But I am sorry to say we have done
22 very little on the Columbia River to address this matter

1 and that is simply unacceptable. And Senator Gordon
2 (phonetic), Senator Murray (phonetic), and I have put
3 money in the budget for five years to do the Hatchery
4 Scientific Review Group. They have -- and the tribes
5 participated, the states participated. They have done
6 some magnificent work in coming up with recommendations
7 how to better operate our hatcheries so as to protect wild
8 fish.

9 We must continue our efforts to find ways to
10 minimize and eliminate the negative impact that our
11 hydropower system has on wild salmon and steelhead. And
12 the Oregon director yesterday talked about that impact.
13 And as we will discuss today, we must make sure that the
14 harvest of salmon and steelhead is consistent with the
15 region's recovery efforts.

16 I believe that the citizens of our state are
17 committed and willing to make the necessary sacrifices to
18 recover salmon. We have spent, literally, billions of
19 dollars to improve habitat, marked nearly all our hatchery
20 salmon, and modified both the operations and
21 infrastructure of our dams. The vast majority of these
22 efforts have been necessary and important for salmon

1 recovery.

2 What we are increasingly hearing from those who
3 are paying the bills for these efforts and experience the
4 impacts of additional regulations on their lives that they
5 don't understand how we can ask them to support such cost,
6 both monetary and personal, and at the same time continue
7 to harvest the very wild fish we're trying to protect.

8 Thus, today we want to begin a regional
9 discussion about the role of harvest in salmon and
10 steelhead recovery. It is our belief that the public must
11 have the confidence that harvest is being managed in a
12 manner consistent with salmon recovery. We also believe
13 that the public must understand the effects of harvest on
14 salmon recovery, if we're going to continue to work on the
15 other H's.

16 Let me make it clear, that I will remain
17 committed to addressing all of the four H's. Discussing
18 harvest should not serve as an excuse to any county or
19 municipality for not passing critical area ordinances that
20 protect salmon habitat. It should also not prevent any
21 other private or public entity from taking the steps
22 necessary to protect salmon habitat.

1 We all must do our part. I come to this meeting
2 this morning eager to hear from the fish managers,
3 including my long time tribal friends led by the highly
4 respected Billy Frank, more about how harvest numbers are
5 determined and contribute to salmon recovery. Thank you
6 and I look forward to these discussions. And I'll now
7 call on Congressman Walden to give his opening remarks.

8 MR. WALDEN: Thank you very much, Congressman
9 Dicks. I appreciate your hospitality in hosting this
10 meeting that we're having here and I want to congratulate
11 Congressman Baird for his efforts on this as well. And I
12 want to concur in your statements.

13 We're all very acutely aware of the four H's,
14 Habitat, Hatchery, Hydro, and Harvest. And as Congressman
15 Dicks said, we're not ignoring any of those in our work.
16 And Lord knows we're not ignoring any of those in this
17 region, when you look at the incredible investments, both
18 human and financial, that are being made in this region to
19 deal with all of those issues. But we have a special
20 interest in trying to better understand the role that
21 harvest plays in rivers, in the ocean and that's really
22 the subject we're focused on today.

1 And we had a very productive, I thought, meeting
2 yesterday, in Vancouver. We spent many hours listening to
3 very certified smart people who talked to us about their
4 views on this issue. But I think there is one haunting
5 piece of this puzzle that continues to troubles me. And
6 that is where in the Endangered Species Act the
7 authorization exists to harvest a listed species.

8 We understand incidental take as part of a
9 project. But the outright harvest of a species that we're
10 investing hundreds of millions of dollars in this region
11 to restore is a bit perplexing. And so, you know, we're
12 trying to figure out how does that fit in with the various
13 strategies and regimes in place to manage the entire river
14 system as well as international agreements with Canada and
15 what happens out in the oceans.

16 We're also very cognizant of the tribal trust
17 obligation the United States has and the need to meet that
18 tribal trust obligation. So that should not be in doubt.
19 But I think as Oregonians, and Washingtonians, and
20 Northwesterners, we're all committed to see sustainable
21 salmon runs for now and into the future. And I think we
22 all know we can do better than we've been doing and

1 hopefully, out of these hearings, we'll find ways to
2 achieve that goal.

3 So I appreciate the leadership of my colleagues
4 from Washington State. We'll have a third one of these
5 meetings at a yet to be determined date in Eastern Oregon
6 as kind of a follow up to these two. But I want to thank
7 all of you for being here today and especially our
8 participants. And I yield back the balance of my time, as
9 we say in Washington.

10 MR. DICKS: Thank you. And now I'm going to
11 call on Congressman Brian Baird from the Third District.
12 He, yesterday, hosted our event in Vancouver. We want to
13 thank you, Brian, for that. That was a tremendous start
14 to our inquiry, and I thought the meeting was
15 extraordinarily productive and civil, which is -- we'd
16 like to make sure it's civil here in Tacoma too, by the
17 way.

18 And so I want to call on Brian for his opening
19 remarks. And Brian's been very interested in this subject
20 and gives a perspective from the Columbia River and today
21 we're up here in the Puget Sound area.

22 MR. BAIRD: Great, thank you, Norm, I appreciate

1 the invitation to join you here and Greg, thanks for your
2 presence. We, Norm and I and Greg, all agreed that this
3 really needs to be a bi-state regional and bipartisan
4 effort. Fish could care less whether their
5 representatives are Democrats or Republicans. They, to
6 their credit, don't get involved with party politics.

7 But we all need to pull together because whether
8 it's our farmers who are making sacrifices, our foresters
9 who can't harvest their land, our ratepayers who are
10 paying increased rates, or our communities who deal with
11 all the permitting challenges that we face because of
12 salmon recovery. Everybody is affected and that's why we
13 all need to work together to try to solve this.

14 And I want to underscore what Greg and Norm said
15 already. We are all absolutely committed to continuing
16 the important efforts to restore habitat because we're
17 making strides in habitat. We have really opened up
18 streams that have been closed before. We're finding --
19 learning, I think, a great deal about ways that we can
20 produce fish in the wild and wild fish in natural habitat
21 and not just hatcheries. We're also absolutely committed
22 to an effective and efficient hatchery system. And we are

1 committed to further modifications to improve the
2 efficiency and safe passage beyond the hydro systems.

3 But there is this fourth H, and it includes not
4 just human harvest. Every -- and we heard yesterday and I
5 think anybody who is involved in this will hear great
6 stories about pinnipeds, seals, and sea lions, which have
7 increased in large numbers. And I think almost every
8 fisherman here can share a story of bringing up a head of
9 a fish instead of a full fish. And we need to look at
10 that issue.

11 We've had that problem down on the Bonneville
12 Dam. As you know, the Bonneville locks faced this
13 challenge a while back. We -- there are still blockages
14 to fish passage in a number of drainages, where we could
15 have productive habitat. So we want to look at all the
16 things that are impeding the return of adult salmon who
17 are ready to spawn, ready to reproduce, and right at the
18 point when we could realize that goal, they get
19 intercepted by manmade or natural factors. And we ought
20 to look at those because we believe that we can do a
21 better job of helping those wild salmon get upstream to
22 spawn and reproduce, which ultimately is our goal.

1 Our ultimate goal here is to ensure a viable run
2 of wild and hatchery fish for foreseeable future of many,
3 many generations yet to come at levels that can be enjoyed
4 for sport fishing and for commercial harvest, that's our
5 goal. And we want to underscore that because sometimes
6 you come out of a meeting like this, you could say that a
7 hundred times and some sound bite gets put in a newspaper
8 or TV that gets everybody upset. And we want to be
9 absolutely clear that that is our goal and that's why we
10 wanted to hold these hearings.

11 So I thank everyone who will be speaking before
12 us and all of you who are present. And we certainly
13 offered down in Vancouver, I know it's the case here, if
14 you haven't been invited to speak, please don't take it
15 personally, we just have finite amount of time. We would
16 love to hear from you. Now, all of us have websites or
17 addresses, where you can mail us or give us your written
18 commentary. We will take those carefully into account and
19 our goal, as Greg mentioned, is to have future hearings,
20 one up in Eastern Oregon and a series down the road.

21 We are committed to doing everything we can to
22 try to solve this for the sake of all the region, and we

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1 think we can do it. So thank you to our panelists again.
2 Thank you, Norm for your leadership not only today but in
3 so many ways in this region and particularly on salmon
4 issues and steelhead issues.

5 MR. DICKS: Thank you, Brian. We're on time;
6 we're ahead of schedule in fact. And so I'm going to call
7 on our first three witnesses. Bob Lohn is the regional
8 director of NOAA Fisheries. He's been at the forefront
9 of, during the Bush administration, of all the major
10 issues relating to salmon in the Pacific Northwest, on the
11 Columbia River, and on Puget Sound.

12 And Bob testified yesterday and was kind enough
13 to ask me, you know, do I need him here again today. And
14 I said I really did want him, and I appreciate his
15 changing his schedule to be here. And we're going to do
16 like we did yesterday, five minutes per witness. At about
17 four minutes, you -- Sara (phonetic), here in the front,
18 will give you a -- will have some signs and we'll try to
19 notify you when we get close to five minutes so you can
20 wind up your testimony. Bob.

21 MR. LOHN: Thank you, Mr. Chairman and
22 distinguished members of the panel. Thank you also for

1 what I thought was just an exceptional meeting. I attend
2 many salmon meetings and I just found that the honest
3 level of inquiry, the deep questions, and the thoughtful
4 presence of the panel members really spoke a lot to all of
5 us.

6 I'm so grateful that -- and on something that's
7 so both economically and culturally important to this
8 region that you folks have chosen to invest the time. I
9 know how much time it can take, and I just want to speak
10 as someone who knows a bit about these matters. These are

11 --

12 MR. DICKS: Can you hear Bob in the back? Are
13 you having trouble -- okay, they can hear you. I just
14 think you might pull up a little closer.

15 MR. LOHN: Okay, yeah, these are complex matters
16 and I, personally, was very impressed with, obviously, the
17 preparation and the level of knowledge you all had
18 gathered. So thanks again just -- on behalf of all us.

19 Yesterday, I talked about Columbia River issues,
20 today, I'm happy to respond to further questions. But
21 today, I'd like to focus on Puget Sound, make a couple of
22 points briefly on why Puget Sound is different, and then

1 mention some common problems, themes you'd heard.

2 I really am much more optimistic currently about
3 fish protection in Puget Sound than I am in other parts of
4 the region. Why is Puget Sound different? Well, first of
5 all, there is a history of cooperation, which may be a
6 short history, that is, this came out of some real
7 struggles and particularly over treaty rights over salmon.

8 But in recent years, I've seen a sort of
9 unparalleled effort from the fishery managers, both the
10 tribes in the Northwest Indian Fisheries Commission and
11 the State of Washington to work together to solve the
12 problems. And that's just extraordinarily healthy and
13 gives us a leg up on these problems.

14 Secondly, there are fewer listed stocks in Puget
15 Sound. There are actually three, Hood Canal chum and Lake
16 Ozette sockeye, which are relatively minor in the picture,
17 plus a single listing that embraces all chinook in Puget
18 Sound.

19 And Congressman Walden, you'd asked a good
20 question, "How are these different from the ESUs in the
21 Columbia River?" My estimate is that if we were to follow
22 the same -- precisely the same principles, we would've

1 divided them into five groups. And for recovery and
2 planning purposes, we do in fact recognize those five
3 groups. So it's not okay to trade off the survival in one
4 of the groups for more fish in another.

5 Third point, why Puget Sound is different and
6 ahead, Congressman Dicks referred to and I want to
7 highlight it, the Hatchery Scientific Review Group. Prior
8 to that time, there really was no good scientific metaphor
9 for how you integrate and think about hatchery production
10 parallel to wild stocks. That group developed the
11 science; it audited the hatcheries and their practices,
12 and laid out a plan for change.

13 We're now in the midst of transition for that,
14 that is, not all the changes recommended can take place
15 immediately. But the need for them is recognized, the
16 plans are being, and long term, I think we're going to get
17 where we need to be. That overall coordinated vision for
18 -- in this case, for Puget Sound chinook, the major listed
19 stock here is what puts -- again, a factor that really
20 puts Puget Sound far ahead.

21 The fourth is that -- the fact that there has
22 been a consistent approach now to harvest. We were

1 challenged legally on these issues in cooperation with the
2 managers and an environmental impact statement costing
3 about three quarters of a million dollars was prepared.
4 It was completed this spring, and it lays out in great
5 detail the impacts on each of the listed groups, where
6 they're occurring, how they need to change, and so forth.

7 Along with that, we adopted a principle called
8 the recovery exploitation rate, a sort of standard metric
9 for harvest in Puget Sound, the RER. The RER has two
10 elements. First of all, there is sort of a base line
11 level of abundance that says unless -- the stocks must
12 stay above it, harvest cannot take them below it. And
13 secondly, there must be an 80 percent probability of
14 recovery, long term.

15 Now, not all of the harvests exactly meet the 80
16 percent probability of recovery but they're moving in that
17 direction. Finally, I just want to commend Puget Sound
18 for having a comprehensive recovery plan in the shared
19 strategy. A hundred and fifty units of state, local, and
20 tribal governments, and interested individuals have worked
21 for several years to prepare this plan. We will soon be
22 publishing it as a comprehensive recovery plan.

1 There are familiar problems, Canadian harvest,
2 mixed stock fisheries, degraded habitat. But I'd
3 characterize Puget Sound as we're not where we need to be
4 for the long term, but we know where we need to go and
5 we're moving in that direction. Thanks.

6 MR. DICKS: Thank you very much. We're going to
7 go -- I think we'll do the Feds first, Phil, and then
8 we'll do you -- you can wrap up. Dave Allen is our
9 regional director of the U.S. Fish and Wildlife Service.
10 He -- we've been working together on implementing mass
11 marking and dealing with these issues. He's also taken
12 the initiative on -- with the Warm Springs Tribe on doing
13 some work on Hatchery Scientific Review on the Columbia
14 River, which I am very appreciative of. You know, we'd
15 still -- that's a -- that's one area where -- on the
16 Columbia River where we need to do the same kind of a
17 review as we've done on the -- on Puget Sound and the
18 coast of Washington.

19 Dave, glad to have you here and go ahead and
20 make your presentation.

21 MR. ALLEN: Thank you, Mr. Chairman and other
22 members of the panel. And again, it's a pleasure to be

1 here to talk about salmon and steelhead recovery,
2 obviously a-- an extremely important issue to this part of
3 the country.

4 MR. DICKS: You might pull it up just a little
5 closer.

6 MR. ALLEN: How's that in the back, okay? Good.
7 To begin, I'd like to provide a brief overview of the Fish
8 and Wildlife Service activities and programs along with
9 just a few highlights that benefit steelhead and salmon
10 conservation in the Pacific Northwest.

11 Well, the Service is engaged to varying degrees
12 in all facets of salmon and steelhead recovery, in other
13 words, the four H's. My comments today will address
14 Service activities and at reversing trends of habitat loss
15 and at improving management of our fish hatcheries for
16 conservation of these species.

17 Finding ways to stop or reverse the trend of
18 habitat loss or degradation continues to be a major focus
19 for salmon and steelhead recovery. The task of finding
20 the solutions to these trends is confounded by the complex
21 life history strategies that these species require,
22 needing very specialized habitat and varied habitat at a

1 number of different life stages.

2 Addressing the habitat needs of these species in
3 a manner sufficient to achieve recovery will be a
4 difficult task, requiring the combined efforts of federal,
5 state, tribal, and private interest to be successful.
6 Fish and Wildlife Service is working very hard to do its
7 part to address the various habitat needs of salmon and
8 steelhead.

9 On our national wildlife refuges, where habitat
10 is present, a restoration is possible. We stress their
11 importance in our refuge management strategies for these
12 species. For example, at Nisqually National Wildlife
13 Refuge at the southern end of Puget Sound, we're
14 cooperating with the Nisqually Tribe, the Nisqually River
15 Council, and many other partners to restore estuarine
16 wetlands in areas adjacent to the refuge. On the refuge,
17 we plan to restore 700 acres of historic estuary through
18 dyke removal. And once completed, this will be the
19 largest estuarine restoration project in the Pacific
20 Northwest.

21 At our Julia Butler Hanson Refuge along the
22 lower Columbia, we're working in partnership with the U.S.

1 Army Corps of Engineers, Bonneville Power, American
2 Rivers, and the Columbia Land Trust on a \$3.7 million
3 project that includes restoring 297 acres of tidal marsh
4 at Crimms Island. In addition to managing our own lands
5 to benefit salmon recovery, the Service provides
6 incentives to partners for habitat conservation through
7 several grant programs.

8 In the Pacific Northwest, most of our programs
9 focused on riparian and wetland habitat improvement or
10 restoration. Grants are awarded each year to the states,
11 tribes, local governments, and private individuals or
12 organizations. All grants are leveraged with matching
13 funds or in kind services from one or more partners in
14 support -- to support dozens of projects benefiting salmon
15 conservation and recovery.

16 The second major area of activity by the Service
17 in support of salmon and steelhead recovery is the
18 management of fish hatchery programs that we either
19 operate directly or support. This year, through 25 fish
20 hatcheries and associated production facilities in Idaho,
21 Oregon, and Washington, the Service released 76 million
22 young salmon and steelhead. More than five million of

1 these fish were released specifically for salmon
2 restoration and recovery purposes.

3 The Service continues to work closely with
4 states, tribes, and fishing groups to improve hatchery --
5 to improve its hatchery management. For example, we are
6 coordinating with habitat restoration efforts to ensure
7 that hatchery fish do not conflict with the rebuilding
8 naturally spawning populations of salmon and steelhead.

9 We are implementing the science-based hatchery
10 reform initiatives that were identified in the Puget Sound
11 and Coastal Washington Hatchery Reform Project to improve
12 the contribution of hatcheries in salmon and steelhead
13 conservation and recovery.

14 We are initiating a similar hatchery review
15 process this year for the 21 Columbia Basin hatcheries
16 that the Service operates or supports with the same goal
17 of improving the quality of fish produced for salmon and
18 steelhead conservation and recovery. Also we are
19 participating in a region-wide effort to mass mark
20 hatchery produced salmon and steelhead to assist in
21 recovery and to aid in selective harvest management of
22 these species.

1 Our hatchery management programs include fish
2 culture practices and policies designed to prevent the
3 introduction and spread of diseased fish and pathogens and
4 to promote the production of healthy fish. Our Abernathy
5 fish culture -- excuse me, our Abernathy Fish Technology
6 Center, here in Washington, provides leadership in
7 science-based management of hatcheries to research
8 programs and fish nutrition, oncology, physiology,
9 pathology, and genetics.

10 Our four fish health centers provide a long term
11 -- provide long-term pathogen surveys and monitoring of
12 fish at national fish hatcheries and selected wild
13 populations as well as diverse diagnostics and
14 investigation studies. Our fish health centers are
15 national leaders in fish pathogen containment, emergency
16 disease control, epidemiology assistance, and assistance
17 to managers.

18 In conclusion, I'd like to mention also that the
19 Service responsibilities under the ESA to recover listed
20 bull trout and Kootenay sturgeon are, for the most part,
21 consistent with and complimentary to the conservation and
22 recovery goals of both salmon and steelhead. They occupy

1 many of the same rivers and tributaries and have many
2 overlapping habitat requirement. There are, however,
3 important differences we must also take into account due
4 to the unique life history strategies exhibited by these
5 species. That concludes my remarks, thank you.

6 MR. DICKS: Thank you for your statement. Phil,
7 we're glad to have you here today representing the
8 director, Jeff Koenig, who wanted to be here but had to be
9 in Spokane today with -- on a meeting. And Phil, of
10 course, is a long-time official of the department and is
11 someone I've enjoyed working with over the years on the --
12 on all the issues facing our state. And Phil, we're glad
13 to have you here today.

14 PHIL: Thank you very much, Congressman Dicks
15 and other distinguished members of the Congress.
16 Certainly appreciate the opportunity to come before you
17 today and offer some of our thoughts on the harvest
18 management of salmon and ways -- the measures that we've
19 taken to try to improve the survival of returning adults
20 and looking toward the future for additional
21 opportunities.

22 I really appreciate this opportunity because I

1 think harvest is often misunderstood and the role that it
2 plays in recovery and protection of wild salmon is often
3 misunderstood. So if this gives us an opportunity to
4 explain how harvest management works and how it
5 contributes to the return of adult salmon, that's a good
6 thing.

7 We start off with a couple of values. And that
8 is that, first, salmon, that is, the fish are an important
9 part of our history, our culture, our economic vitality,
10 and our future. Salmon are a trademark of the Pacific
11 Northwest, and these fish deserve our best efforts to
12 maintain them at viable levels. The second value that we
13 have is that salmon fisheries are equally important and
14 reflected in our history, our culture. It too is a
15 trademark of the Northwest, and it too is worth
16 preserving.

17 My presentation is going to focus on the
18 management of Puget Sound chinook. I'm going to provide
19 you with an overview of where these fish are caught, the
20 results of our efforts to improve spawning and escapement,
21 and mother nature's efforts too because she has certainly
22 helped us in recent years, and put into perspective the

1 incidental harvest of these fish by state and tribal
2 fisheries.

3 I've -- I'm going -- I'm kind of a visual type
4 of a person, so I've provided you some copies of slides
5 that I have developed that are going to try to help me
6 explain what we're doing, progress that we've made,
7 challenges that remain.

8 And you'll note that the title on the front page
9 refer to the tribes, and I'm certainly not speaking for
10 the tribes, but all of our harvest management is a product
11 of work that we do through our co-management of these
12 resources. So I have two examples that I used, and I did
13 not cherry-pick these to show you the best ones. There
14 are better ones; there are worst ones.

15 But -- at first, in looking at Skagit spring
16 chinook, the historical harvest, that first page, take a
17 look at the --

18 MR. DICKS: This is a listed species, right?

19 PHIL: This is a listed species, yes,
20 Congressman. You'll see that the amount -- the percentage
21 of the run size that spawned was 40 percent in this
22 timeframe, 1983 through 1992, we had a harvest rate on

1 these fish of 60 percent. You'll compare that to the next

2 --

3 SPEAKER: What would be a -- how many fish are
4 we talking about here, numbers? Do you have the numbers,
5 roughly?

6 PHIL: Let me just ask Pat Pattillo, if I could,
7 Congressman, to respond to that --

8 SPEAKER: Yeah, Pat knows everything. Come on,
9 Pat.

10 PHIL: It's about 14 --

11 MR. PATTILLO: (inaudible 29:41).

12 SPEAKER: Ten thousand spring chinook.

13 MR. PATTILLO: (inaudible).

14 SPEAKER: Okay.

15 PHIL: So compare that to the next slide, which
16 is our 2005 harvest plan, state tribal harvest plan, and
17 you'll see that the number of fish out of the run size
18 that we expect to spawn went from 40 up to 71 percent.
19 You'll see our harvest rate reduced from 60 down to 29
20 percent. And you -- it also displays on both these pie
21 charts where the harvest is taking place, where that
22 incidental catch is taking place, by area, Canada,

1 Washington's ocean, pre-terminal sport, and terminal net.

2 SPEAKER: Is this the harvest of the listed
3 species?

4 PHIL: This is the harvest rate on the listed
5 species.

6 SPEAKER: On the list --

7 PHIL: Yes, sir.

8 SPEAKER: And how many fish in this one?

9 PHIL: This is the same stock, Congressman.
10 This just compares spring chinook to spring chinook from
11 an '83 to '92 base to 2005.

12 SPEAKER: Okay, I see it's --

13 PHIL: Okay?

14 SPEAKER: -- actually it's the same one.

15 PHIL: Now, we're going to move to the next
16 example, deals with Skagit summer/falls. The '83 through
17 '92 average harvest rate was 63 percent. You can see that
18 we've returned -- 37 percent of their run size returned
19 for spawning purposes. That compares to your next page
20 where spawning went from 37 up to 61 percent of the run
21 size and the harvest rate went from 63 down to 40 percent.
22 The next slide --

1 SPEAKER: This is listed too, right?

2 PHIL: Yes, sir. All of these are listed stocks
3 that I'm --

4 SPEAKER: All chinook --

5 PHIL: That's correct. The next table speaks to
6 this issue of -- in part at least, that we've managed --
7 we don't just manage the ESU and left, you know, some
8 stocks dry, the strong stocks are okay and pull up the
9 weak ones. We do look at the individual stocks. But
10 really the point of this is just take a look at Nooksack,
11 for example. Only 6 percent harvest rate on Nooksack
12 chinook by U.S. Fisheries. That's split roughly 50-50
13 between the tribes and the state fisheries. So we're
14 trying to manage our state fisheries on a 3 percent
15 harvest rate on Nooksack. And that similar example could
16 be said for the rest of those stocks that are represented
17 on this table.

18 SPEAKER: And Canada is taking most and -- most
19 of these fish, right?

20 PHIL: You'll see in that previous pie chart,
21 Congressman, that Canada takes a -- the major portion of
22 the harvest that does occur. For example, summer/fall

1 chinook is taken in Canadian fisheries.

2 SPEAKER: Let me ask you another question. Are
3 these hatchery fish or are these wild fish?

4 PHIL: These are wild fish.

5 SPEAKER: These are all wild fish?

6 PHIL: Yes, the next -- I appreciate your
7 questions and interruptions but I hope it buys me a little
8 bit more time.

9 SPEAKER: It does, we're going to --

10 PHIL: Okay.

11 (Laughter)

12 SPEAKER: We're still ahead of schedule.

13 PHIL: The next chart is simply looking at the
14 total number of Skagit wild summer/fall Chinook escapement
15 over that timeframe from 1978 through 2004. And you can
16 see, at least my perspective in looking, that we are
17 making progress. We are increasing the number of spawners
18 on the grounds as a result of our harvest management
19 actions as well as -- and I can't take all the credit for
20 the change in the ocean productivity that's helped this.

21 The next two slides -- and I'll just quickly go
22 through these. This hasn't happened without a lot of

1 pain. You can see that the reductions in our chinook
2 catch in the Wanda Fuka (phonetic) sport fisheries, places
3 like Port Angeles, CQ (phonetic) look as what happened to
4 those harvest. And looking at a Puget Sound overall, you
5 can see on the next slide that it's dropped 91 percent
6 since 1975. So these games come at a high cost.

7 The next two slides look at the efforts that we
8 have made in terms of constructing selective fisheries so
9 that we can harvest healthy stocks and have truly
10 incidental impacts on wild or listed stocks. And we have
11 been the leader with your help, Congressman, in selective
12 fisheries utilizing mass marking techniques in a number of
13 different of our sport fisheries that are depicted on that
14 slide.

15 In addition, the following slide looks at
16 selective fishery strategies that we have for commercial
17 fisheries because marked selective fisheries are not the
18 only way to selectively harvest healthy fish, and we do
19 that with a variety of strategies, both the tribes in the
20 state in terms of restricting time-area, using different
21 gear requirements, release requirements, and we also have
22 on the water monitoring, quick reporting, and a real

1 commitment to enforcement, on the water enforcement to
2 ensure that our regulatory regimes are complied with.

3 So I'll just close by saying that we've got some
4 future opportunities, I think, that we need to seize on
5 and take advantage of. One is that Mr. Cassidy mentioned
6 yesterday is getting a better understanding of predicting
7 ocean productivity. And that is the key to us being able
8 to accurately forecast the number of fish that we expect
9 back. The HSRG product is a great tool and can really
10 help us, I think, in guiding our hatchery management. I
11 think hatcheries can be used to be an effective tool to
12 help wild populations rebuild. We need to seize on that
13 work now.

14 Selective fishery strategies, we need to be
15 aggressive in exploring new ways to use mass marking as a
16 harvest management tool and also be aggressive about
17 looking at other tools for selectively harvesting,
18 particularly, in commercial fisheries. And lastly, no one
19 H can solve this problem. As Larry Cassidy said
20 yesterday, there is no silver bullet. It's going to take
21 a comprehensive approach. We all need to be part of this
22 solution because we're all part of the problem. Thank you

1 very much for giving me a little bit extra time.

2 MR. DICKS: Thank you very much and we're going
3 to start now. We're still ahead of schedule. We're going
4 to have questioning here for 35 minutes. Let me ask you a
5 couple of questions. Now, Phil, your agency has done a
6 lot of investigation into the question of whether or not
7 mass marking and selective fisheries would undermine the
8 coded wire tag system. What have you concluded? What has
9 the department concluded on this subject?

10 PHIL: I think we -- Congressman Dicks, first of
11 all, as you know, and I'm not going to dodge the question
12 because you won't let me. But --

13 MR. DICKS: More like Cassidy did yesterday.

14 PHIL: Yeah.

15 MR. DICKS: Okay, yeah, all right.

16 PHIL: I took some notes on that. We do --
17 there is an expert panel that we are expecting a report
18 from and I believe we're expecting that report even next
19 week that was looking at the coded wire tag system, how
20 mass marking and selective fisheries impact the integrity
21 of that coded wire tag system. But they were also looking
22 at what the general problems with the coded wire tag

1 system are, even in the absence of mass marking or
2 selective fisheries.

3 We believe that has -- that we can maintain the
4 integrity of the coded wire tag system with mass marking,
5 with selective fisheries, we believe that -- and we've
6 made substantial investments in tools, in terms of
7 modeling fisheries to assess the impacts of mark-selective
8 fisheries, that is an issue that the co-managers have been
9 addressing. Our work is not done, we have more work to do
10 and we have -- are investing resources to do that.

11 But where we have stocks of fish, particularly
12 those that don't have migrations to the far north, we
13 believe that electronic detection systems that we have in
14 place for detecting coded wire tags in fish are in place
15 and can be used effectively to maintain the integrity of
16 the coded wire tag system and at the same time provide --

17 MR. DICKS: This is the so called one, you're
18 talking about.

19 PHIL: The so called \$8,000 one --

20 MR. DICKS: And the tooks, right?

21 PHIL: And the tooks, that's correct.

22 MR. DICKS: And this is just a question of

1 investing the money to do it and then doing a little extra
2 to put the fish through that exercise. Isn't that
3 correct?

4 PHIL: That's correct, Congressman. Now, there
5 are places, certainly, in -- I'm sure -- I don't want --
6 can't speak for the State of Alaska, certainly. I know
7 they're here. But there are places where that -- those
8 investments have not been made. They do not have an
9 intent to use mark-selective fisheries as a management
10 tool. And they're, I think, reluctant in making that
11 investment and they are concerned about the effects on the
12 coded wire tag system as a result of mass marking fish.

13 MR. DICKS: It seems to me if they're really
14 concerned, they'd buy the equipment and then they could
15 solve the problem.

16 PHIL: But Congressman --

17 MR. DICKS: You're talking about the Canadians
18 now or --

19 PHIL: Well, the Canadians are using electronic
20 detection systems. They do mass mark coho. They don't
21 intend to use mark-selective fisheries for chinook so
22 they've not been willing --

1 MR. DICKS: Not yet.

2 PHIL: Not yet. They've not been willing to
3 make that investment in the double indexed tag piece of
4 that. Now --

5 MR. DICKS: Now, let me also just mention one
6 other thing. I want to get your comment on this. One of
7 the key recommendations of the Hatchery Scientific Review
8 Group was and I quote, "Mark or tag all hatchery released
9 fish so that the proportions of natural and hatchery
10 origin fish among natural spawners and in the brood stock
11 can be monitored and controlled." That's in Appendix B7.

12 They stated the same recommendation in more
13 detail in their September 22nd letter to David Bedford.
14 Dave, are you here today? Yeah, just -- always glad to
15 see you. And I want to quote from this letter. Their
16 answer was an unequivocal yes about whether mass marking
17 of hatchery fish was the right thing to do. Then -- and
18 they said you should -- yeah, and so to me this -- you
19 know, it is one thing to talk about a selective harvest
20 but the most important thing here is what the Hatchery
21 Scientific Review Group said is you got to be able to
22 monitor and assess in the river the hatchery fish from the

1 wild fish. And can we do that? I mean as we move forward
2 in this mass marking, can we do that monitoring and will
3 this help us, you know, improve our hatchery operations?

4 PHIL: Congressman Dicks, I believe this is
5 going to help us in a couple of ways. One is when we do
6 stream surveys in the fall and we're looking at returning
7 adults, it's going to allow us to identify those that came
8 from -- that were raised in hatcheries. But I think as
9 important, if not more than important in that, is the
10 ability to seize on the opportunity coming out of that
11 HSRG process, in that this will enable us to use our
12 hatcheries more effectively in terms of rebuilding natural
13 spawning population.

14 And that is to say to get that brood stock from
15 the natural environment, put those fish into the
16 hatcheries and rear them in that manner, where it makes
17 sense. It doesn't make sense in all areas but look at the
18 integration, where appropriate, between hatchery and wild
19 fish. And that ability to identify those fish on the
20 spawning grounds is the key tool in order for us to
21 utilize that tool that the HSRG identified.

22 MR. DICKS: Is it the Washington State

1 Department's intention to implement hatchery reform in its
2 hatcheries, assuming you can get the money from the
3 legislature?

4 PHIL: It is our intent, yes, sir.

5 MR. DICKS: And that you're going to do it?

6 PHIL: If we get the money, yes, sir.

7 MR. DICKS: All right, it's always the money. I
8 want to call now on Congressman Walden for 10 minutes.

9 MR. WALDEN: Thank you. I want to thank our
10 panelists again for your comments this morning. They're
11 most helpful. Phil, maybe I need to start with you. I
12 just have a question or two. I want to make sure I
13 understand your charts correctly. The Skagit spring
14 chinook, all of these are indicating listed species?

15 PHIL: Yes, Congressman, that's true.

16 MR. WALDEN: Is that right? Of all the Chinook?

17 PHIL: There is a number in the bottom right
18 hand corner and that would help me know which one you're
19 looking at.

20 MR. WALDEN: Number 2.

21 PHIL: Thank you.

22 MR. WALDEN: Please go to door number 2.

1 PHIL: I numbered them for that reason, sir,
2 thank you. Yes, sir, those are natural spawning wild --

3 MR. WALDEN: So we're not talking about any
4 hatchery stocks on this chart?

5 PHIL: No, sir.

6 MR. WALDEN: And so from '83 to '92, the state
7 allowed the harvest of 60 percent of the listed species,
8 of the Skagit spring chinook?

9 PHIL: Well, if I may clarify, the harvest rate
10 was 60 percent. You can see in that pie chart where that
11 harvest occurred. So certainly not all of that 60 percent

12 --

13 MR. WALDEN: I see --

14 PHIL: -- occurred or was authorized by the
15 state.

16 MR. WALDEN: I see, yeah, okay. But 60 percent
17 of that run was harvested either here or in Canada or
18 tribal harvest.

19 PHIL: That's correct.

20 MR. WALDEN: And now it's down to 29 percent.

21 PHIL: That's correct.

22 MR. WALDEN: All right. Okay, Bob, let me go

1 back to you because we had a bit of this discussion
2 yesterday. Can you tell me about endangered species
3 recovery programs that are successful, where we harvest
4 endangered species?

5 MR. LOHN: Congressman, I --

6 MR. WALDEN: At levels of 29 percent or 60
7 percent regardless who is doing it, if we're -- if our
8 goal is recovery.

9 MR. LOHN: Congressman, I -- managing harvest
10 while recovering species is a very tricky thing to do.
11 I'm not aware of any listed fishery stocks that have been
12 recovered in the presence of significant harvest. So I
13 want to be very frank, we're trying a new thing here, yes.

14 MR. WALDEN: And then let me ask you -- we had a
15 bit of this discussion yesterday as well when I walked
16 with many of the panelists. Where in the Endangered
17 Species Act does it even allow for targeted harvest? I
18 understand the notion of incidental take but that's
19 usually in context of some other activity and very
20 minimal. This is actually people sitting down and
21 deciding how many fish to take, right?

22 MR. LOHN: Yes, sir. Now, this is -- it's

1 usually incidental to -- actually, Phil may be able to
2 tell me more of this than this because he is deeper into
3 Puget Sound harvest but it's usually incidental to other
4 lawful harvest, as we talked about yesterday, that may or
5 may not be an acceptable answer but that's how we would
6 phrase it. And so for example, these wild fish -- I don't
7 know specifically about the Skagit spring/summers but the
8 wild fish might well be found with a body of harvestable
9 hatchery fish. And so there would -- until the time of
10 selective harvest, there might be some take going on.

11 MR. WALDEN: But we're seeing is a take
12 including Canada because --

13 MR. LOHN: Yes.

14 MR. WALDEN: -- it's not broken out by
15 percentage beyond spawning. But a fairly significant
16 amount of the fish are being taken, even if they're taken
17 along with a whole bunch more of other fish that aren't
18 listed, right?

19 MR. LOHN: That's correct.

20 MR. WALDEN: Phil?

21 PHIL: Congressman --

22 MR. WALDEN: How does that work?

1 PHIL: -- if I could ask -- add just a couple of
2 -- well, an -- maybe an opinion and a response to the
3 question. I guess from my view -- in my view, an
4 incidental take, a killing of a listed species, while I'm
5 producing a kilowatt of electricity, or I'm irrigating an
6 acre of cornfield, or I'm providing access to thousands of
7 healthy fish that are reared in hatcheries, they're all
8 dead. They're all incidental takes in my mind, while
9 pursuing an activity that produces a public value.

10 And so whether they're killed while they're
11 doing any one of those things, they're still dead. And it
12 -- to me it's an incident -- it is truly an incidental
13 harvest in this case, where we're talking about harvest of
14 a listed species. These percentages on page 6 of my --

15 MR. WALDEN: But I -- I mean here is what I'm
16 having trouble with. If there isn't any hatchery fish --
17 I mean these -- is this a mixed stock or is this an
18 intentional taking of 29 percent of these fish?

19 PHIL: This -- well, let's -- I mean --

20 MR. WALDEN: This -- that can't be incidental
21 unless it's a mixed stock.

22 PHIL: It is a mixed stock.

1 MR. WALDEN: So you're saying it is a mixed
2 stock?

3 PHIL: Absolutely.

4 MR. WALDEN: All right.

5 PHIL: We have hatchery productions of chinook
6 in Puget Sound and the -- as well as hatchery production
7 of chinook stocks that are coming from Canada. Fraser is
8 an example.

9 SPEAKER: So they're swimming in the water at
10 the same time?

11 PHIL: These are swimming in the water at the
12 same --

13 SPEAKER: What's the balance? What's the
14 percentage of hatchery versus the wild then?

15 PHIL: May I -- Congressman, may I ask Pat
16 Pattillo --

17 SPEAKER: Let's go to Pat.

18 MR. PATTILLO: There are no direct (inaudible
19 48:50) directed at hatchery returns of that same species
20 of chinook or in a mixed stock area such as sport fishery
21 in Puget Sound and there are non-direct fisheries there.
22 And if you can either sell the contribution of this stock

1 either Skagit summer/fall chinook or Skagit spring
2 chinook, it is probably less than 1 percent of the total
3 take of chinook. And while those chinook are being taken,
4 many of these fish that are -- these are total
5 mortalities. They're not just fish that are caught and
6 kept, we're accounting for even the fish that die in the
7 process of releasing fish --

8 SPEAKER: Very small.

9 MR. PATTILLO: -- very small percentages in any
10 catches and times and areas, and with years that allow
11 release, at times and areas where there are small
12 percentage of these fish --

13 SPEAKER: When these fish are caught
14 recreationally, they're not released, right?

15 SPEAKER: Whether in the summer, whether in the
16 fall of the --

17 SPEAKER: Is that the law? I mean, is that the
18 rules under the Department of Fisheries; that they have to
19 release these fish if they're wild.

20 SPEAKER: In most fisheries in Puget Sound
21 they're allowed, where there are some chinook kept -- they
22 are -- there are -- hatchery fisheries that are being

1 implemented, there are also fisheries where the only
2 species you can keep are coho salmon or pink salmon other
3 species that are -- commingles in the water at the same
4 time.

5 SPEAKER: Well, I --

6 SPEAKER: Congressman.

7 SPEAKER: Let me just --

8 SPEAKER: Phil had another comment here.

9 SPEAKER: Go ahead, we'll give you more time.

10 SPEAKER: And the other thing, the mortalities
11 that you see here, for chinook are mortalities that occur
12 while we fish for all other of the --

13 SPEAKER: Right.

14 SPEAKER: Other four species in Puget Sound, chum,
15 sockeye, pink, and coho.

16 SPEAKER: Let me just change gears a second.

17 SPEAKER: Okay.

18 SPEAKER: I mean, this region has also had
19 dramatic change as a result of the listing that's spotted
20 out. And if I'm out pheasant hunting, I don't get to take
21 spotted owls, because my aim was off, do I, no. And we
22 don't go out and say, "We can just, you know, kill every --

1 one out of every 100 pheasant I shoot or doves or whatever.
2 I mean, I don't get to do that, do I? Bob, I mean, -- Dan -
3 - Dave. Has this happened elsewhere in other species
4 management of the ESA?

5 SPEAKER: There is one example with this, you
6 know, it's a small example.

7 SPEAKER: Okay. What is it?

8 SPEAKER: Recently, with -- in fact within the
9 last two years, we did issue a section incidental take
10 permit for a regulation in the State of Montana to allow
11 some harvest, not take, catch and release of bull trout.
12 And this was done again, but, you know, the basic test is
13 these harvests, you know, these particular populations in a
14 couple of reservoirs are doing very well, but we can't de-
15 list by reservoir--

16 SPEAKER: Reservoir.

17 SPEAKER: -- by reservoir.

18 SPEAKER: All Right.

19 SPEAKER: But we can allow some limited harvest on
20 a threatened species.

21 SPEAKER: Was that because there were too many in
22 that reservoir or that river system?

1 SPEAKER: No -- it's been managed very well, and
2 if you've ever been fishing where bull trout are around,
3 they've a strong affinity for the hook. So people do tend
4 to catch a lot of bull trout if they --

5 SPEAKER: That's not all they have a strong
6 affinity for, is it?

7 SPEAKER: Are available, yeah. If they are
8 available, right.

9 SPEAKER: Isn't that why they poisoned them in a
10 lot of the streams in Northeast Oregon and around -- early
11 in the last century. We used to get rid of them because
12 they were a predator fish on some of the salmonid?

13 SPEAKER: Yes, they were.

14 SPEAKER: So now we're -- but that aside and --
15 I'm telling you we are not against fishing, all right. I
16 think it's a wonderful thing, and a very important part of
17 our economy, both sport and commercial and tribal
18 obligations.

19 I understand all that but we have this law that
20 seems to come in on top of everything we do, called the
21 Endangered Species Act, and I don't find in there, where
22 harvest is allowed, and if you're talking -- it may be 1

1 percent of a bigger run of other fish, but if it accounts
2 for 60 percent of this run, how is that incidental, or 29
3 percent, your own five harvest levels of -- let me go to
4 page three, it shows 29 percent; that's 29 percent of the
5 wild fish, right?

6 And it's not -- I'm just not -- I'm not picking on
7 Washington or Canada, but combined, the total mortality as a
8 result of this activity is 29 percent, right? Is -- do you
9 consider 29 percent incidental? Or is -- or am I reading
10 the law wrong, 'cause I'm not a lawyer, but --

11 SPEAKER: Congressman, I'm not going to suggest
12 you're reading the law wrong, although I have a different
13 interpretation of it.

14 SPEAKER: Now, that's why we're at -- you're like
15 into this stuff.

16 SPEAKER: So I -- the -- one of the points that I
17 don't believe that we emphasized that there is that -- in
18 our Puget Sound Chinook Harvest Management Plan that has
19 been approved by NOAA that allows for our fisheries to take
20 place, both state and tribal and Puget Sound. I believe the
21 reason that they approved it is because the RERs or these
22 Recovery Exploitation Rigs that are ceilings on any

1 incidental take on any of these listed stocks will result in
2 recovery of these fish.

3 SPEAKER: Okay. Let me switch then to Bob for a
4 second and let's go back to the Columbia system, because we
5 have Judge Redden, (phonetic) riding the river -- running
6 the river. And it's all about the chinook; fall chinook
7 salmon. We had this discussion yesterday. And I mean,
8 we're not talking that many fish, and the recovery rate, he
9 wants a little higher than it is now, correct?

10 And couldn't you achieve a higher recovery rate if
11 you had -- few are those being harvested after they've
12 survived. Everything coming out of the river system. And
13 again, we understand habitat and hatchery and hydro are all
14 potential issues here. But if you finally grow to adulthood
15 and are making your way up and you get past the sea lions
16 and a few things -- to go up and spawn and then you're
17 hooked or netted, you're not going to spawn, your recovery
18 rate is going to be less, isn't it.

19 SPEAKER: Congressman, I agree. One of the points
20 of dispute we have is federal agency with Judge Redden and I
21 say this with all due respect, he's a judge and he has ruled
22 against us on this one.

1 SPEAKER: And he may invite you in to see him if
2 you say the wrong thing here.

3 SPEAKER: But our assessment of the situation is
4 that the measures we had in place were adequate to recover
5 Snake River fall chinook. We had -- well, this wasn't a
6 formal recovery plan several years ago. I really want to be
7 able to give the region some guidance, so we -- I had my
8 folks develop interim recovery standards for each of the
9 stocks.

10 The Snake River fall chinook since, I believe,
11 2000, maybe 2001, have been well above the interim recovery
12 goals. That is we felt enough fish were getting back there
13 at least for the short term to utilize that spawning habitat
14 and be a stable population. Obviously, that was
15 unimpressive to the court.

16 SPEAKER: Could he not come into a region like
17 this or a judge and say, "Whatever your recovery goals are,
18 aren't what I think they should be," and slap the same sort
19 of restrictions on you?

20 SPEAKER: Congressman, as someone trained in the
21 law, I would like to believe that the law provides a guide
22 and a -- even an anchor to our actions when we're required

1 to operate under it. I would like to read the law as
2 requiring the judge to act in a certain way that includes
3 deference to the technical judgments of the agencies you put
4 in charge. If you were to follow that, I'm -- I don't think
5 that's the outcome, because it would not be our
6 recommendation.

7 SPEAKER: All right.

8 SPEAKER: I think the judge has expressed dismay
9 and frustration with the actions we've taken.

10 SPEAKER: Right.

11 SPEAKER: And has decided very explicitly not to
12 defer to our judgment.

13 SPEAKER: Let me ask you one more question and
14 then I'll yield back. Yesterday, in our discussion about
15 the summer spill strategy in the Columbia River, Steve
16 Wright, the head of the Bonneville Power Administration; the
17 administrator, had some new data that showed that the run
18 had passed the dams before the spill had really begun.

19 And so the fish were already through -- working
20 their way through the system before the summer spill
21 strategy started; new data that's just come out. Have you
22 had a chance in the intervening period of time, to learn any

1 more about those data and what we can learn from that?

2 SPEAKER: Congressman, a fair assessment, I've
3 simply seen the same information Steve developed the charts
4 from. The fair assessment was that the spill requested by
5 the court provided very little benefit simply because the
6 fish weren't present. We would've -- there is another
7 assessment, which I think is also important, which is to see
8 to the extent that we can tease it out for those fish that
9 were kept in the river during this summertime season; did
10 they in fact benefit from it.

11 The -- ironically, the numbers may be so small, we
12 won't be able to get the science back that would say whether
13 or not it made a benefit. Our assessment going in and our
14 advice to the court was in this particular year, it was
15 twofold. One, by -- we don't think the transportation is an
16 unqualified great way to move fish. But in this particular
17 circumstance, and in this particular year, summertime low
18 flows, high temperatures -- we thought it made a lot of
19 sense to continue doing what we'd been doing in the past,
20 because we had received this rising number of fish.

21 We were well above the interim target. The judge
22 chose to take a different approach. I think it is safe to

1 say that the data indicates a relatively small number of
2 fish moved in river during this time of spill, whether it
3 provided a benefit, none of us will know until the fish
4 returned from the ocean migration. Even then the numbers
5 may be too small to tell. Our estimate going in is that it
6 was likely to do more harm than good.

7 SPEAKER: More harm than good?

8 SPEAKER: Yes, sir.

9 SPEAKER: Why?

10 SPEAKER: Our best estimate was that looking at
11 the limited information we had on survival of these fish in
12 the river, that many of them during a warm -- migrating
13 during this time of the year, especially, in warm water out
14 of the Snake, simply wouldn't successfully make it down the
15 river. That we indicated was, you know, that was based on
16 very limited information.

17 We don't claim to have perfect science so we were
18 confronted, simply put, with a situation where we were doing
19 one thing -- we knew what the results were, and they were
20 pretty acceptable. And there was another thing in which we
21 had limited information, but reason for concern.

22 SPEAKER: Okay. Sounds almost like trying to get

1 your car washed, but driving through the carwash before the
2 water light comes on -- come out the other end.

3 SPEAKER: Congressman Baird.

4 MR. BAIRD: Thank you, and I thank the gentleman
5 for the good testimony. It seems like you've got a --
6 somewhat of a, Phil, of a natural experiment here, and I'm
7 very intrigued by that. The -- page two suggests that the
8 harvest rate was up to the 1999, 60 percent. Harvest rate's
9 now dropped to 29 percent, that's a 31 percent difference.
10 What is the impact then in terms of the number of fish --
11 wild fish getting up the river as you cut the harvest rate
12 by 30 percent?

13 SPEAKER: That was the purpose of one slide,
14 Congressman Baird, that I provided, it gave you a look at
15 how the spawning escapement in terms of pure numbers of fish
16 has increased over this timeframe, and if I could find it,
17 it --

18 SPEAKER: I've got it, it's number 7.

19 SPEAKER: Okay.

20 MR. BAIRD: The -- I think the points -- here's
21 the question I'm asking. We heard a testimony yesterday
22 from some folks who were trying to say, "Gee, you know,

1 harvest isn't a big deal." But what I think we're seeing
2 here is that when you cut the harvest by half, you
3 dramatically increase the escapement rate, and is that a
4 fair portrayal of what you're saying?

5 SPEAKER: I believe, there's two things that has
6 happened over this timeframe. One is that we've reduced
7 harvest rates, the second is, we've had a tremendous
8 improvement in ocean productivity over this timeframe. I'd
9 like to say that we could take credit for the -- all the
10 increase in the spawning escapement, but we can't, we've
11 seen --

12 MR. BAIRD: Yeah.

13 SPEAKER: Similar dramatic gains in other places
14 too, and I'm certainly not here before you saying that
15 harvest isn't a big deal, or can't -- isn't an important
16 part of the solution. At the same time, I'm saying that our
17 value statement and our assumption of the public value that
18 we're trying to represent is that when I go to the wall and
19 I flip the switch, I want the light to come on, and I also
20 want to be able to go out and get on my boat, and go catch a
21 fish in a manner that doesn't impede, and if anything,
22 accelerates recovery of fish that are in trouble.

1 MR. BAIRD: And it's a point well taken. I think
2 the question I would ask is, it's easy to say, as I thought
3 I heard earlier, that the total catch of the Skagit chinook
4 is 1 percent of the total harvest on the Puget Sound area,
5 and so you might say, well, it's 1 percent; that's not going
6 to make a difference, but if apparently, if you can cut the
7 harvest of that 1 percent, by half, you can -- and you get
8 the right ocean conditions acknowledging that we've got a
9 lot of uncertainties.

10 But there's at least a co-relational relationship
11 between a change in our harvest numbers, and a significant
12 change in escapement. And that would suggest to me that the
13 more we can do to try to move towards a selective harvest at
14 some level the more potential -- that plus common sense,
15 frankly. The more likelihood, where I'd have escapement and
16 reproduction in the wild.

17 SPEAKER: No argument that there is a correlation,
18 and that's why we go to great pains in our co-management
19 regime, every spring and set in our harvest management plan
20 to ensure that we get as many adults back to those areas,
21 meet our obligations in terms of recovering those fish,
22 keeping our recovery rate half or below; in most cases well

1 below the ceilings that were allowed --

2 SPEAKER: Let me move to that if I may --

3 SPEAKER: -- well, can I just ask one, just a
4 little quick follow-up?

5 SPEAKER: Okay.

6 SPEAKER: But you are saying that a selective
7 fishery would help you get more wild fish escapement
8 wouldn't it?

9 SPEAKER: I'm saying the better we can utilize
10 selective fishing techniques, the better we'll be able to
11 utilize the healthy stocks and provide increased protection
12 for the stocks we're trying to protect.

13 SPEAKER: Thank you.

14 MR. BAIRD: Bob, I appreciate the optimism, and
15 one thing I want to underscore and I mentioned it earlier.
16 There has been tremendous effort, the other variable --
17 we've had -- ocean conditions have improved, we have seen
18 some changes in harvest, we've also seen a great deal of
19 effort on habitat improvement. One of the questions -- and
20 someone may testify to this later on or may raise this
21 issue. Some have asserted to me that the harvest rates
22 allowed in the Puget Sound area broadly, because we don't

1 distinguish between ESUs and the various drainages. There
2 are some harvest rates, which actually could lead to
3 extinction of fish in certain rivers.

4 And I'm interested in that and the second thing
5 is, I've read somewhere that some biologists had suggested
6 we actually don't want to let too many fish get upriver,
7 because you could actually have too many fish in a river,
8 which is one of the most absurd statements I've ever heard.
9 And so if any of you could comment on that, I'd be
10 interested.

11 SPEAKER: That's certainly contrary to the Alaska
12 model, right, Dave? You get a -- you do your abundance
13 space, you get the fish in the river and make sure there's
14 plenty of fish in the river and plenty of nutrients, right?

15 SPEAKER: That's true. We also try to get
16 (inaudible 17:13). We have good information to show that
17 putting more fish in a certain level will lead to depressed
18 productivity, lowering net productivity.

19 MR. BAIRD: But that's probably a few more than
20 200 or 300?

21 SPEAKER: Yeah, it's -- you have to get pretty
22 substantially involved with your optimum escapement before

1 you hit that slight -- there is a peak, which you get into
2 after which, you wouldn't want to escape if you had decline
3 in productivity.

4 SPEAKER: Understood, but --

5 SPEAKER: Certain instances.

6 SPEAKER: But we certainly got some --

7 SPEAKER: We're talking of wild runs. I mean,
8 you're talking about -- you're talking about hatchery fish.

9 SPEAKER: I'm talking about (inaudible T1S2 17.40)
10 data, which is a fine example of that.

11 SPEAKER: In terms of your catching --

12 SPEAKER: How do you get \$2 every sockeye into a
13 river and then we wind up overgrazing plankton population in
14 a lake of decreasing productivity in future.

15 MR. BAIRD: But that's sockeye in a lake. We've
16 certainly got abundant evidence, at least a growing evidence
17 I think that nutrients are a critical factor in addition to
18 habitat, and if you have habitat without nutrients, we've
19 got this experiential data in some of the drainages down
20 south, that you've got to have the nutrients there and to my
21 way of thinking, first of all, 200 is a mighty damn close
22 margin when you think of all the things that could happen to

1 200 or 300 fish, but second of all, you don't have the
2 nutrients that they provide by their death, and by the eggs
3 that aren't hatched. Anyway --

4 MR. LOHN: Congressman, I might add to that. In
5 some parts of the world, not principally in the United
6 States, fisheries are managed for nutrient volume, which is
7 a higher number of fish escapement than for simply
8 escapement for reproduction. Are there runs of fish in
9 Puget Sound that are being exploited at a rate that's
10 consistent with extinction, no, sir, I'm not aware of any of
11 them. I'd come back to the two principles that are in our
12 harvest management here.

13 One, is the RER, which is the target rate -- it's
14 something we strive for, it's not met all the time, but the
15 fisheries are designed to achieve that, certainly the vast
16 number of instances, but the other part is a minimum
17 escapement rate. They're sort of a floor for each of the
18 management units that says, "At a minimum, we need at least
19 this many fish to get back." And that's something that we
20 haven't had tests since we -- at least I'm not aware Phil,
21 that we've tested it --

22 MR. BAIRD: My understanding is that in some of

1 the areas, Bob, the minimum escapement rate is at such a
2 level that even if some of the communities do all the
3 critical habitat ordinances et cetera, the escapement rate
4 actually could be so low -- the escapement rate doesn't
5 necessarily correspond to some of the recovery goals and you
6 could actually have --

7 MR. LOHN: Yes, yes, yes --

8 SPEAKER: At this junction there that leads to the
9 extinction of the fish in that river.

10 MR. LOHN: Good. Excellent point, sir. You're
11 right that the -- in fact, that's true in many places, let
12 me explain why that's there, and why I hope it will
13 disappear.

14 MR. BAIRD: Okay.

15 MR. LOHN: The -- under the recovery planning for
16 example, done by Shared Strategy, there were ambitious goals
17 developed as to what the fishery should be, both to meet a
18 healthy population, and in some instances to meet underlying
19 tribal trust and treaty responsibilities. Those goals are
20 out there, and people are aiming for them.

21 That doesn't mean that today, the habitat is
22 present there to sustain that number of fish. In fact, in

1 many instances it's -- there's some distance to come;
2 there's quite a bit of distance. So those numbers are aware
3 where the fish should be in the long term. Whether the --
4 the real issue is, is the habitat presently in place to
5 sustain that number of fish -- most cases, the answer is,
6 no, and so the releases are more timed toward two things;
7 toward making --

8 SPEAKER: Could -- I'm extremely sorry.

9 SPEAKER: Excuse me. I'm sorry, the escapement
10 are more aimed at two things. One, making sure that there
11 is at least a sustainable population in the short term get
12 back and reproduce. Two, that they would grow as the
13 habitat supports them. So that's the intention.

14 MR. BAIRD: Can you -- and I'm not asking you to -
15 - I'm not trying to put you on the spot --

16 MR. LOHN: No.

17 MR. BAIRD: But can you name some of the rivers
18 where we believe that the habitat, overall, in the drainage
19 of the river is not adequate, and what the escapement --
20 adequate for larger numbers of escapement, and what the
21 current numbers allowed for those particular rivers are --
22 'cause if the -- some of the rivers I've seen are rivers I

1 know a little bit about.

2 MR. LOHN: Yeah.

3 MR. BAIRD: I think there's -- there being a
4 habitat up there and, you know, you look at a small section
5 at Hanford Reach, you put a lot of fish out of that --

6 MR. LOHN: Yes, yes.

7 MR. BAIRD: Fairly small section, and I'm talking
8 big rivers here, where we're talking a couple of 100 fish,
9 at least if I understand it right. Are there some -- can
10 you offhand or maybe, staff, name a couple of rivers that
11 we're saying that are not allowed -- their escapement rate
12 is not -- we can't have more fish in those rivers, 'cause we
13 don't have the habitat?

14 MR. LOHN: That's -- it's a good question, I can
15 speculate 'cause I couldn't --

16 MR. BAIRD: I'm not trying to put you on the spot,
17 Bob --

18 MR. LOHN: Steven Richards (phonetic) is here.
19 And there may be others who could answer you --

20 SPEAKER: Pat, can you answer this?

21 MR. PATTILLO: -- for example, the Nooksack River,
22 which is one of the stocks that was listed there, the number

1 of wild spawn is very, very low, and below a recovery rate
2 as was mentioned; the recovery exploitation rate is only --
3 is -- the actual rate is the one that Phil mentioned, that
4 was about 3 percent for the southern U.S.; 6 percent total
5 is extremely low, restricted harvest on the ceremonial
6 subsistence for the tribe for example.

7 And the habitat is -- the ability for that stock
8 to recover the amount of siltation in that river and the
9 habitat is just extremely poor. So we're not getting
10 recovery of wild fish in spite of a very low harvest rate.
11 That's an example on the low end.

12 SPEAKER: But that --

13 (Tape Interruption)

14 SPEAKER: -- the end of the Nooksack river and I
15 mean, you know --

16 SPEAKER: (inaudible)?

17 SPEAKER: Yeah.

18 SPEAKER: You know, the information that we've got
19 based upon --

20 SPEAKER: Identify yourself, just so we know who's
21 speaking.

22 MR. KENLEY: I'm Randy Kenley (phonetic) from the

1 Lummi tribe.

2 SPEAKER: Great.

3 MR. KENLEY: Based upon our scientists and our
4 biologists that (inaudibleT1S2 23.19) we put the fish up
5 there, but the habitat attached right now is not there to
6 sustain any type of increase in spawning --

7 SPEAKER: When you put the fish up, did you put
8 them up with dead carcasses, et cetera to give the --

9 MR. KENLEY: No, no, we put them up -- live fish.

10 SPEAKER: No, no, what I mean -- did you add the
11 dead carcasses to the system to provide the nutrients?

12 MR. KENLEY: -- and right now, it's -- based upon
13 our scientists with GSW, the habitat is part of the key
14 issue to resolve up there, because all the --

15 SPEAKER: What is the habitat issue? Can you tell
16 us a little more specifically?

17 MR. KENLEY: -- capacity to hold the amount of
18 fish that we want to put up there right now.

19 SPEAKER: Is it gravel, is it --

20 MR. KENLEY: It's all the stuff that Pat was
21 talking about. All the limiting factors up there. Right
22 now, you got warm water, you got the siltation, and then

1 getting back to what the other farmers are going to talking
2 about over -- what you call overpopulation; we've seen in
3 the Nooksack is that, you put too much over there, and
4 you're going to have spawning -- what this gentleman was
5 talking about -- you have suffocation, and so we had the
6 capacity of fish here.

7 But then the capacity the habitat can carry, that
8 we're putting up there, right now based upon our spawning
9 surveys and our -- new chart information. So we have the
10 information on the Nooksack, and you know, not to say that
11 fishing is part of the problem, but now, we've put the fish
12 up there, and we have the documentation for the --

13 SPEAKER: And you put them up with carcasses and
14 all that to give them the nutrients?

15 MR. KENLEY: Yeah.

16 SPEAKER: Phil, on -- one thing on your chart, and
17 I'm going to -- I mean, I know we got the pacific salmon --
18 Larry Rutter is going to testify next, but it does show that
19 on these species that Canada is taking a substantial number
20 of these wild fish. Now, is that allowed under the
21 agreement or -- what do we do with Canada to try to get them
22 not to target these wild fish?

1 PHIL: Well, Congressman, we're going to be
2 entering into a new round of negotiations with Canada within
3 the Pacific Salmon Treaty forum in the next couple of years,
4 and I'm sure that's a strategy that the U.S. delegation is
5 going to be talking a lot about. Obviously, the impacts on
6 these stocks in Canada represent the large majority of the
7 impacts that are occurring. And we need to figure out a
8 negotiating strategy that will lead to success in that area.

9 SPEAKER: All right. Thank you very much, it was
10 a great panel, thank you, Bob, again, for --

11 SPEAKER: One follow-up and we don't have time to
12 cover here today. If someone could provide us some addition
13 -- two questions I would like written information about.
14 One, how you monitor the harvest that is happening, in terms
15 of what number of folks are on the boats, how you track the
16 harvest of various species, and two, if you can give us some
17 data on pinniped impacts within the Puget Sound, we asked
18 this about Columbia yesterday. That would be helpful, thank
19 you.

20 SPEAKER: Thank you.

21 SPEAKER: All right.

22 SPEAKER: All right. We'll have our next panel?

1 (Recess)

2 SPEAKER: Serving more than two million people
3 daily, this is TVW -- on the Pacific Northwest Salmon
4 preservation with congressional, state and policy group
5 representatives, takes place in Tacoma on October 12.

6 MR. DICKS: Well, I want to thank our next panel
7 of witnesses here, and I'm going to call on Billy Frank
8 first. Billy's been the leader of the Northwest Indian
9 Fisheries Commission and has been a real leader on salmon
10 issues in the Pacific Northwest, and Billy, I'm going to -
11 - and also the winner of the Albert Schweitzer Award as a
12 humanitarian, and I want you to know he's been a great
13 friend, someone I've enjoyed working with, and Billy, I
14 know it's going to be tough, but you've got five minutes
15 and we're going to -- okay.

16 MR. FRANK: Five minutes --

17 MR. DICKS: This would be -- well, do your best.

18 MR. FRANK: I've got your five minutes too?

19 MR. DICKS: No, no, well, I'll give you some
20 more questions afterwards, but Billy Frank.

21 MR. FRANK: Thank you Congressman, and thank all
22 three Congressmen for being here and welcome to the great

1 northwest. And I -- I'm Billy Frank. I'm Chairman,
2 Northwest Indian Fish Commission. I -- I'm the spokesman
3 for our tribes here, our 20 tribes in Western Washington -
4 -

5 MR. DICKS: Can you hear him? You've got to
6 pull it up Billy, a little closer.

7 MR. FRANK: But probably the congressmen are
8 going to know more than then ever wanted to know about the
9 Pacific salmon fish we've out here in the Northwest. And
10 -- but this is a great day for us managers. You heard
11 Phil earlier talking about the understanding of how we
12 open a fishery and how we close the fishery, how we
13 regulate a fishery, and with the mass marking and all of
14 our data that we collect, and all the -- working with the
15 Alaskans and with the Canadians and U.S.-Canada
16 International Treaty, and how we're proud of what we do
17 here, as managers of -- of this great salmon that we have
18 to protect, and hopefully we'll recover.

19 You are clear regarding the role of returning
20 adult salmon including steelhead -- salmon and steelhead
21 recovery. Salmon recovery directly effects the health and
22 economics of both Indian and non-Indian communities. It

1 also defines our tribal culture and identity. We must
2 have salmon to have salmon.

3 We must protect and sustain them at all ages
4 from eggs to adults; we must concentrate on all four H's:
5 Harvest, Hatcheries, Hydro, Habitat. How do we get more
6 salmon to the spawning grounds, the answer is simple and
7 clear. More fish in, does not necessarily mean more fish
8 out. We must do more for habitat and water quality and
9 quantity.

10 A dead fish is a dead fish, you heard that
11 earlier. Whether it is killed to provide nourishment or
12 killed in a turbine, by pollution, by a lack of clear
13 plain water, or a lack of (inaudibleT1S1 3:55) critical
14 habitat, you heard that earlier. We are submitting
15 printing testimony and reports to substantiate all of
16 this, and to remind you of the extensive work being done
17 by co-managers to recover the salmon reserves.

18 We all face many challenges. Human population
19 is expanding, expecting to double in western Washington
20 over the next 50 years. The temperature is increasing;
21 water is over allocated now. On top of all of this, the
22 oceans are sick and parts of Puget Sound are dying. The

1 time for finger pointing is gone.

2 It is short sighted for one fishery to oppose
3 another and for salmon recovery to be misconstrued as
4 salmon versus people. Just as time is gone for fighting
5 over the ever-shrinking slices of the salmon pie, it is
6 time for us to work together to help the pie grow bigger.
7 We need your help to generate the cooperation and
8 coordination. We need to plan for the future -- of our
9 future generations.

10 Now, collaboration, we heard this from the
11 President of the United States and throughout the country
12 in -- when we attended in Missouri. Collaboration, in
13 1980 started in this state with a timber industry. In
14 1980, that's not very long ago, this -- the timber
15 industry decided to be regulated, and they are today. And
16 we work with agreements side by side with the tribes in
17 the state of Washington and with the timber industry.

18 Collaboration is not free. Collaboration takes
19 money to do what we do here in the great Northwest and
20 throughout Pacific, in Oregon, throughout California, the
21 range of our fishery deemed to Alaska. You know,
22 collaboration is a good word to use, but it don't go

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1 without funding and putting money into this great
2 resource.

3 Now, right here in the Puyallup tribe, just a
4 couple of minutes from where we are right here, the
5 Puyallup River is right here. It comes out of our great
6 mountains right here, Mt. Rainier, it's about 70-80 miles
7 long. Then the -- the Puyallup tribe has been closed from
8 chinook salmon for the last, over 20 years now. And now
9 they have a 12-hour fishery, 12-hour fishery.

10 So we're making little headway, you know, we're
11 committed. We're committed to bring the salmon back. And
12 they are the very positive things that we're committed to
13 do. You know, Norm, I talked to my Congressman about it,
14 and he's been helpful on everything that we've been doing
15 on the Nisqually River watershed, I've got a hatchery
16 named after him. It -- there is no name there in Fish and
17 Wildlife, and that's throughout working on that. But
18 anyhow the --

19 MR. DICKS: It's going to be surprise, but --

20 MR. FRANK: Yeah.

21 MR. DICKS: I think the only bad part is you've
22 got to die for us, that's all.

1 MR. FRANK: No, no, you can't die. You've got
2 50 more years, at least I have, and you've got to be here.
3 But anyhow the -- the Nisqually watershed's example, you
4 heard our Fish and Wildlife director talking about the
5 estuaries. We're taking part in -- on Nisqually
6 watershed, and throughout all of our range of our fishery,
7 here in Puget Sound and along the Pacific Coast.

8 You know, it takes time to do this, and nobody,
9 nobody, people in this room look around. In that other
10 room down there in Portland, where I was there yesterday,
11 and thanks to Brian for inviting and having a nice room to
12 have this great conference. You know, none of those
13 people, I don't think, know how we open a fishery.

14 This hearing, these two hearings, and hearings
15 afterward will make more understanding of what it takes to
16 open a fishery along this Pacific coast. What it takes to
17 talk with Canada, talk to Alaska and all our fishery
18 throughout the range of our salmon. It's very important
19 that you ask these questions and very important that I
20 have the A team here today.

21 You've heard part of my A team, Randy Kenley
22 (phonetic) from Lummi talking about the Nooksack river up

1 by the border of Canada, and I have Lorraine Loomis from
2 the -- our representative on Fraser River Panel. And I
3 have the A team right here. I have Mike Grayum, Craig and
4 Jim Anderson and David Trout (phonetic). So you -- you
5 can ask these guys any questions, we're -- we're ready to
6 answer anything and give you any information that you
7 want.

8 MR. DICKS: Thank you Billy, we appreciate that
9 very, very much. And now we're going to go to Larry
10 Rutter, Pacific Salmon Commission. I'd like to point out
11 the Pacific Salmon Commission was formed by the
12 governments of Canada and United States to implement the
13 Pacific Salmon treaty. And Dave Bedford is here, who is
14 the outgoing U.S. Chair of the Pacific Salmon Commission,
15 Larry.

16 MR. RUTTER: Thank you Congressman Dicks --

17 THE CHAIR: We appreciate your in-depth briefing
18 chart. This is almost as good as the Pentagon, I mean,
19 this is pretty -- pretty good.

20 MR. RUTTER: I'm glad to hear you call it an in-
21 depth briefing, because I thought it was very superficial.
22 I am here on behalf of the U.S. section of the Pacific

1 Salmon Commission. I want to make it very clear; though I
2 work for NOAA, I'm not here representing NOAA. We have
3 the head of NOAA here. So any questions relating to the
4 ESA can be directed to Bob.

5 I also want to make it very clear that I'm here
6 on behalf of the United States section. I have not
7 cleared this. I would not purport to represent our
8 Canadian college or the Salmon Commission.

9 MR. DICKS: Right.

10 MR. RUTTER: And though the original request was
11 put to the Salmon Commission Executive Secretariat, we
12 normally don't allow the secretariat to get involved in
13 these domestic political forums. I want to give a very,
14 very, brief history of the Salmon Treaty and prior time.
15 In the 60s and 70s, we had a growing competitive fishing
16 regime where the two countries were scrabbling to catch as
17 many fish as they could that originated in the waters of
18 the other country and it was just a terrible mess.

19 And there were many, many years attempting to
20 develop a treaty that failed, and then finally in 1985,
21 the Pacific Salmon Treaty was signed at the Shamrock
22 Summit by President Reagan and Brian Mulroney from Canada.

1 And a very key component, one of the probably two biggest
2 components of the Salmon Treaty was the chinook rebuilding
3 program. It spoke to the need for a coast-wide regime,
4 just because of the far migratory range of these animals,
5 many of them originating in Oregon, and some of them even
6 in California, going as far north as Alaska. So it
7 required a level of cooperation as rarely seen in
8 Fisheries management.

9 As Congressman Dicks pointed out, the Treaty
10 created the Pacific Salmon Commission to oversee the
11 implementation of the treaty, and the commission is
12 comprised of four Canadian and four U.S. Commissioners.
13 And then there are alternates for each one. The Salmon
14 Commission usually meets about three times an year with
15 the final negotiating session occurring in each February.

16 And I'm spending a little bit of time on the
17 process, because the process is sort of connected to the
18 results we can expect from it and how fast we can expect
19 results. We are appointed for four-year terms by the
20 President. We can make a decision only when there is no
21 dissenting vote among the three commissioners that
22 represent the State of Alaska, Washington and Oregon has

1 one commissioner and the tribes have a commissioner.

2 And in this very odd treaty, the federal
3 government does not have a vote, so I just sit there and
4 complain. Bilateral decisions always require a consensus
5 between Canada and the United States. No decision could
6 be made unless two countries agree. They have one vote
7 and for your ratification, I've put in a chart, just so
8 you can get a -- get a sense of the bureaucracy that is
9 created by the Pacific Salmon Treaty and Pacific Salmon
10 Commission.

11 And there are a number of panels and have
12 regional representatives that deal with discreet issues,
13 we have a host of technical committees. The premium
14 technical committee, if you will, is the Chinook Technical
15 Committee that deals with the most complicated species
16 that we manage. And I've focused on those largely because
17 those are the most of the listed fish that we deal with in
18 the ocean.

19 Our chinook salmon, we have very, very, little
20 impact on steelhead, and actually very, very little impact
21 on many kinds of chinook salmon as well. But anyhow, the
22 original regime relied on a fixed catch ceilings. The

1 idea was just to cap the ceilings of major fisheries in
2 the ocean, and then let the escapement increase, and as a
3 result of that the harvest rate would continue to go down
4 as you -- as you kept those ceilings in place.

5 But there were a number of problems that led to
6 a lack of success with that program. The most notable was
7 the abundance varied greatly, and the production varied
8 greatly and differently than was predicted when the
9 ceilings were put in place. We had -- in some cases when
10 the abundance was low, people would fish harder to get to
11 that ceiling, which was too high in that case increasing
12 exploitation rate. And in other cases when the abundance
13 was very high, in the late 80s, right after the treaty,
14 the fishery was greatly shortened because of the impact of
15 the ceiling and that made people very unhappy.

16 We had fixed ceilings in a number of other
17 fisheries that are not pertinent to today's discussion.
18 I've got a slide in here just to show you that -- to jog
19 the memory of some of you that this is an issue that has
20 been very contentious in the past that sort of -- I kind
21 of chuckled when I read the press release that we're going
22 to begin the debate on harvest, when I recalled some of

1 the -- some of the history that we had in the salmon
2 treaty.

3 Going back to the chinook, we have a new regime
4 as a result of 1999 and it resulted in a vastly improved
5 fishery management system in Canada as well as the United
6 States. But one of the things Canada has done, and it has
7 got a lot of press, is that they've learned to apply
8 genetic technologies to identify which of the fish they're
9 worried about, are theirs, when they are present and when
10 they are not? And they've used that information to target
11 on fish that they're not as concerned about, and guess
12 what, some of those are ours.

13 But the information that is being widely cited
14 in the press and everywhere, and I think that lead
15 somewhat to this discussion, is the (inaudibleT1S1 15:06)
16 resource is newsworthy. And to us, that have been
17 involved in this for a long time, it isn't that newsworthy
18 at all. We've always known the WCVI chinook fishery was
19 comprised mostly of United States fish. And I think I'll
20 rely on the question and answer period to elaborate on
21 some of the points that I know people will want -- dealt
22 with relating to Pacific Salmon Treaty, but in the slides

1 that I've provided you, I've got a number of interesting
2 little graphics that I would be glad to go through when
3 the -- when time permits.

4 I think I want to close, but with one main
5 point. Canada has listed fish too. They have their SARA,
6 the Species At Risk Act in Canada and they have COSEWIC,
7 in their version of a biological review team that reviews
8 the status of species in Canada, and they always find part
9 of the solution is to get us to catch less of their fish.
10 And guess what, we always find a part of the solution for
11 our fish is to get them to catch less fish.

12 And there is a necessity to engage those
13 discussions in a constructive manner. I'm absolutely
14 concerned; I'm very concerned about the sentiment that is
15 going on the U.S. side, that is starting to point the
16 fingers at Canada. I see us reliving a period of time
17 that I've gone through it. I don't want to repeat, and so
18 I would urge people to put in perspective what is going on
19 with the Salmon Treaty. We are aware of its problems, and
20 we on the United States side will certainly take -- make
21 our best effort to fix that. But the solution isn't going
22 to be the other guy doesn't get the fish.

1 MR. DICKS: Okay, all right, thank you very much
2 and our next speaker is Randy Fisher, executive director
3 of the Pacific States Marine Fisheries. And this was
4 formed by Congress more than 50 years ago, the Pacific
5 State Marine Fisheries Commission, helps resource agencies
6 and the fishing industry sustainably manage our -- our
7 valuable Pacific Ocean resources in the five-state regime.
8 Randy, you've got five minutes.

9 MR. FISHER: Thank you, Congressman. As
10 mentioned, I am the executive director of Pacific States
11 Marine Fisheries. Since we basically are responsible for
12 managing information on West Coast Catch, Commercial and
13 Recreational Fisheries, I'll elaborate on what those
14 processes are. As you know, the commission is non-
15 regulatory, but the information we manage is provided to
16 the Pacific Fisheries Management Council and to the state
17 agencies to do the managing.

18 The recognition of time, I will summarize the
19 ~~ocean catch sampling program for recreational fisheries,~~
20 and the commercial catch program and I'll highlight some
21 other programs that we manage and have a direct
22 responsibility on recovery of salmon. In this --

1 MR. DICKS: Can you bring the mike a little
2 closer?

3 MR. FISHER: Sure, in the State of Washington,
4 the Ocean Sampling Program is responsible for monitoring
5 all ocean sports fishery. In Oregon, it's the Oregon
6 Recreational Board Survey. Both of these sampling
7 programs use the same methodologies. In Oregon, sampling
8 is conducted at nine major ports from March through
9 October 31st. In Washington, two of the four major ports
10 are sampled from March through end of October.

11 Minor ports in Washington are sampled in the
12 fall only, and minor ports in Oregon are sampled when
13 there is actually effort involved. Both state surveys
14 rely on exit counts of votes at the sample ports each same
15 day to estimate total fishing effort. These counts are
16 done five days a week in all weekend days and are covered
17 in three random weekdays each week.

18 The sampling design results in somewhere between
19 45 and 50 percent of all ocean boat trips being sampled.
20 The bottom line here is that these recreational fishing
21 sampling programs collect catch effort and biological data
22 that generate in-season and post-season estimates at a 95

1 percent confidence interval.

2 In terms of commercial catch, both tribal and
3 non-tribal data consists of four major areas, fish
4 tickets, logbooks, species composition, and biological
5 data. All landings and values of each market category are
6 recorded on a fish ticket. Information on where and when,
7 and to what depth these fish are caught are provided
8 through logbooks.

9 Species composition sampling is done by port
10 samplers. They collect biological information, edit fish
11 tickets and input the information -- edit fish tickets and
12 input the information to the system. The bottom line here
13 is that all commercial catch is accounted for, and
14 provided to the management agencies.

15 As you know, the commission is also responsible
16 for the regional mark-processing center and the Coded-Wire
17 Tag Program, or the Coded-Wire Tag Program and the PIT Tag
18 Program. Both of these tagging programs are key elements
19 to our salmon recovery. The regional mark-processing
20 center has been in operation since 1977, and the center
21 provides regional coordination for tagging, fin marking
22 information, maintenance of the coded-wire databases.

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1 Currently over 50 million tag smolts are
2 released annually. Fifty-four state tribal and private
3 entities tag fish. Tag recoveries from adult fish average
4 around 275,000 per year. The PIT tag program's
5 fundamental purpose is to monitor migratory habits of fish
6 in regard to their effects on the Columbia River Power
7 System.

8 Over 12 million fish have been tagged and
9 monitored since 1987. Interrogation of fish is done at
10 eight dams, in streams, at hatcheries, acclimation ponds
11 totaling over three dozen separate sites. Information on
12 date, time, location, water temperature, and who released
13 these fish are in the tag files.

14 The commission is also involved in other
15 programs that deal directly with recovery. The Northern
16 Pikeminnow Predator Program and Aquatic Nuisance Species
17 Prevention. The Northern Pikeminnow Predator Program was
18 started in an effort to reduce predation by northern
19 Pikeminnow on salmon juveniles or juvenile salmon.

20 One important component of this program was to
21 award anglers for harvesting pikeminnows over 9-inches in
22 length. Since 1990, over 2.4 million northern pikeminnow

1 have been removed from the Snake and the Columbia systems.
2 As a result of this component of the program, predation on
3 juvenile salmon has been cut by an estimated 25 percent.

4 In 2004, more than 267,000 northern pikeminnow
5 were caught. The northern pikeminnow that are caught are
6 produced into fishmeal or for animal feed. And just in
7 case you're curious, we are now paying \$4 per fish from
8 one to a 100, \$5 a fish for a 101 to 400, and if you're
9 lucky enough to catch over 400, we pay you \$8 a fish.

10 In terms of aquatic nuisance species, we are
11 concentrating on the potential introduction of zebra
12 mussels and mitten crabs. We're also contracting
13 Washington and Alaska to monitor Atlantic salmon.

14 Zebra mussel pose an enormous threat to salmon
15 recovery in the Columbia system. They are currently as
16 far west as the lower Missouri River in South Dakota.
17 Live zebra mussels have been found in Washington State
18 attached to recreational water crab. We are monitoring
19 ~~zebra mussels in the basin and doing education work~~
20 throughout the west.

21 In terms of mitten crab, we are monitoring and
22 undertaking research and education on the crabs. To date,

1 only one mitten crab has been found in the Columbia basin.
2 However, we continue to be concerned because of the
3 dramatic effects witnessed in the San Francisco Bay-Delta
4 area.

5 We have been monitoring Atlantic salmon in
6 Washington states in over a 125 streams and rivers since
7 2003. The good news is, because of the monitoring escapes
8 of Atlantic Salmon from fresh water hatcheries has
9 decreased from a few thousand to basically zero. We are
10 continuing to work with the State of Alaska and the
11 British Columbia to redress other potential concerns.

12 I like to close by highlighting some serious
13 concerns that we have in order to provide data.
14 Commercial packed fin in recreational programs funded by
15 NOAA fisheries had been level funded for 10 years. We, in
16 the state, are having serious problem maintaining port
17 samplers and the interim structure to continue these
18 programs. With quota management and concerns over
19 threatened and endangered species, these programs are
20 critical.

21 We have a need for additional million dollars in
22 these programs just to maintain our current levels. And

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1 finally, the Coded-Wire Tag program was dropped from base
2 funding from the U.S. Fish and Wildlife Service two years
3 ago. Their \$250,000 contribution supports the mark-
4 center. Without this funding, the center cannot function.
5 We need to have some sort of permanent funding solution.

6 Once again, thank you for the opportunity to
7 testify --

8 MR. DICKS: I just want to point out, I've taken
9 -- twice taken care of putting that \$250,000.

10 MR. FISHER: Thank you very much, Congressman.

11 MR. DICKS: Out of my mass marking program,
12 which was extremely painful, right Dave?

13 MR. FISHER: Yeah, we've all had experience with
14 that funding. Only \$250,000, it's a shame, but thank you
15 very much.

16 MR. DICKS: Okay, I want to go to Larry first.
17 Now, you -- and you said you had some other things you
18 might want to say. Now, what do you -- you said you were
19 worried about the climate, what worries you about the
20 climate with Canada?

21 MR. RUTTER: Well, a couple of things
22 Congressman. One is --

1 MR. DICKS: Use the mic please.

2 MR. RUTTER: There is -- there seems to be a
3 growing sentiment that the Canadians are not conservation
4 minded, and they're out there hammering away on the fish
5 that we're working hard to protect. They -- they are not
6 --

7 MR. DICKS: There isn't -- is this the
8 perception that they're protecting their wild fish and
9 targeting ours?

10 MR. RUTTER: That -- I believe, that's the
11 perception, yeah.

12 MR. DICKS: That's the one you're talking about?

13 MR. RUTTER: Yes, yes, and I --

14 MR. DICKS: These numbers that we just saw make
15 someone think that that isn't so, such a false --

16 MR. RUTTER: No, I understand the origin of the
17 thought. I just want to do a couple of things to put that
18 in to perspective.

19 MR. DICKS: All right, go ahead.

20 MR. RUTTER: One is that we have always known
21 the WCVI trawl fishery catches is mostly American fish,
22 whether you're talking chinook, whether you're talking

1 about coha or you're talking about chum salmon. Secondly,
2 we did the analysis of biological -- biological analysis
3 of the 1999 agreement with those stats in front of us.

4 The only thing that really has changed is the
5 percentage of that catch that is now listed, and that has
6 changed because we have now listed hatchery fish. So the
7 Canadians really haven't done anything dramatic, to change
8 that fishery. They have been more successful at targeting
9 or avoiding the WCVI chinook stock that worries them the
10 most.

11 Now, the implication is when you shape a fishery
12 off a one group of fish, that you shape it on to another,
13 and you know, that's just logical. And it seems also
14 logical that the percentage of the catch now will be even
15 a little higher of U.S. origin fish, but that's not an
16 absolute give in. I've seen a lot of press things of late
17 citing this now famous, 80 percent of those fish are
18 American and 70 percent of those are listed, and all those
19 numbers.

20 One of the things that we have learned on many
21 occasions in the salmon treaty environment, is data is
22 suspect until it is bilaterally scrutinized. That data

1 has not been scrutinized by the United States. That was
2 presented by a Canadian fellow at the ISAB presentation at
3 the Northwest Power and Conservation Council.

4 I am aware today that some of the analysis was
5 simply wrong leading to incorrect numbers. I will not go
6 so far and say what the right numbers are, because I would
7 be committing the same fault that I think it has been
8 committed here. Those numbers are incorrect. But I think
9 the main point I want -- but I will not deny that the
10 majority of those fish are American, and many of them are
11 listed, but I want to point out that the great majority of
12 them that are listed are hatchery listed fish, which is a
13 consequence of our Alsea decision.

14 So that kind of puts it in perspective. It
15 doesn't sound quite so scary. The other thing I want to
16 point out is that the numbers that are frequently cited,
17 like 70 or 80 percent of the fish are listed. That does
18 not translate into 70 or 80 percent of our listed fish are
19 caught by them.

20 The impact on any given American ESU is going to
21 be much, much smaller. They're obviously not catching 70
22 to 80 percent of our Snake River fall chinook for example.

1 The total of the catch in Canadian WCVI fisheries could
2 well total 70 percent, but the impact on any given ESU is
3 not anywhere close to that. So I want to -- those kind of
4 little factoids are -- it's a loss to the people.

5 MR. DICKS: Are they sympathetic at all to the
6 idea on the wild fish, of working with us to try to
7 protect those fish, just as I would assume they would like
8 us to work with them on protecting their wild fish, that -
9 - and asking Alaska, I mean, who gets the first shot at
10 this, to lay off some of their either threatened or
11 endangered -- I don't know their law, but I know it's a
12 new law and you've been -- you've been briefing them on
13 the Endangered Species Act.

14 MR. RUTTER: Right.

15 MR. DICKS: How does that work? I mean, is
16 there any willingness to cooperate?

17 MR. RUTTER: I think that there is. I will also
18 say that it doesn't happen as fast as we would like. That
19 ~~right now, as of last February's meeting, we have launched~~
20 a bilateral effort to investigate this very matter. You
21 know, before we can ask the Canadians to modify how
22 they're catching their fish, we have to establish that

1 they are in fact having the impact that we worry we might
2 be having on our fish.

3 So we have to go through this bilateral
4 exercise, we're going to get the first report which you
5 know, the next week, the preliminary report of what we
6 call our Chinook Interface Group. They are sympathetic.
7 On the other hand, I also know that it's going to be very
8 difficult for Canada to sustain any fishery if they can't
9 harvest -- if they're asked to reduce the impacts on our
10 fish as well as the ones they're trying to avoid
11 themselves.

12 I will as a, you know, an American participator
13 in the treaty negotiations, that we have done, I think, a
14 better job of responding since 1999, when the whole
15 atmosphere was changed to -- to Canadian conservation
16 concerns. Their number one conservation concern has been
17 Thompson and Upper Fraser Coho, and we've got a new Coho
18 regime that we put in place, that is very responsive to
19 that fish, that concern that's analogous to one of our
20 ESUs.

21 We have been very responsive in the management
22 of the Fraser Sockeye fishery, which is, you know,

1 targeting Canadian origin sockeye to their listed Cultus
2 Lake, they're not formally listed, but they're Cultus Lake
3 and Sakinaw Lake sockeye. So we've -- I think we've got a
4 record that we can defend, and we can hold up as an
5 example to the Canadians of what we want them to do.

6 MR. DICKS: Now, let me ask just one other
7 point, the time's running here quickly. They have

8 followed a selective fishery on Coho, isn't that correct?

9 MR. RUTTER: They have used mark selective
10 fishing on Coho, now, yes.

11 MR. DICKS: But they have not been willing to do
12 that on Chinook, isn't that correct?

13 MR. RUTTER: That's absolutely right.

14 MR. DICKS: Why is that, would you explain why
15 that is?

16 MR. RUTTER: There are at least two reasons.
17 One of them is that they do not believe that the problems
18 that have been -- been imparted on the Coded-Wire Tagging
19 program are solvable. And that the cost --

20 MR. DICKS: And your panel's looking at -- is
21 there a special committee looking at it?

22 MR. RUTTER: Yes, we have a panel. I was

1 instrumental in putting that together. We have the
2 report, the preliminary report, not the final report, but
3 the preliminary report next week. And there's been a lot
4 of misunderstanding about a very complicated subject. I
5 know, Congressman Dicks, you tend to believe that the
6 thing can be fixed with just some money and some wands and
7 electronic stuff, but that -- that misperceives one of the
8 major problems that has proved unsolvable, and this expert
9 panel has not solved it.

10 And that is the ability to use hatchery fish,
11 which we tag, to represent wild fish. We relied on that
12 system for nearly 30 years and we can no longer do that as
13 reliably as we used to. And we're working on solutions to
14 patch that but we cannot fix that by deploying more wands
15 and tubes and that sort of thing.

16 MR. DICKS: But let me ask you this, just from a
17 political perspective. There's been a lawsuit filed, as
18 you know, with the customs about importation of wild fish
19 into the United States. Now, it would seem to me that if
20 that is -- if the lawsuit's successful and customs has to
21 block, you know, recreational fishermen from bringing wild
22 -- I mean, any fish back, that is a wild fish, then aren't

1 they going to have to move to some kind of a fishery
2 recreationally, so that they can -- so that the sports
3 fishermen can be assured that when they catch a fish with
4 a fin clip, that it's a fish that they can bring back into
5 the United States?

6 MR. RUTTER: I would really hate to speculate at
7 how Canada would react to that, if it was made illegal for
8 Americans to bring back unclipped fish, as what you're
9 talking about.

10 MR. DICKS: Yes.

11 MR. RUTTER: I don't know what the reaction
12 might be. The reaction might be to say that you can come
13 up here and catch fish but you can't bring them home. Lot
14 of times, sport fishermen, as you well know, fish because
15 it's fun.

16 MR. DICKS: Yes, that they release.

17 MR. RUTTER: Yeah, and they don't necessarily
18 need to bring the fish home. They might substitute the
19 fish that they otherwise would bring home for something
20 else that can be imported. I don't know; I'm reluctant to
21 speculate.

22 MR. DICKS: Would you get into that at all --

1 MR. RUTTER: They would -- yes, they would
2 certainly raise that. We had some experience with a
3 similar issue, GATT issue in the late 1980s when Canada
4 imposed landing restrictions on American Fishermen that
5 wanted to land in their ports, and it went all the way to
6 the GATT council. So but -- I don't -- I don't know where
7 this one will go. I -- I'm reluctant to speculate.

8 I know that the Canadians will raise it, they
9 will not be real happy, as that technique is a technique
10 for us to get them to go mark selective fishing. We have
11 also -- I wanted to elaborate on the second part of, I
12 think, your question. We asked that, well, can we at
13 least get you to do the sampling that we need to maintain
14 some of the integrity of the Coded-Wire Tagging Program?
15 They said, well, we don't believe in mark selective
16 fishing for Chinook, and we don't want to be prioritizing
17 it because we're kind of broke, but if you want us to do
18 it, here's what it will cost; they gave us a bill, in
19 February.

20 MR. DICKS: All right, Congressman Walden.

21 MR. WALDEN: Well, I guess on this issue with
22 customs, because it's one we -- I've thought about it in

1 the broader context of the Endangered Species Act. Do you
2 know, any of you on the panel, what happens if you kill an
3 endangered species other than fish and try and bring it
4 across the border, back into the United States? Randy is
5 that?

6 MR. FISHER: Well, you can't do it basically.

7 MR. WALDEN: And why can't you?

8 MR. FISHER: I mean, it's the same as you were
9 asking in the earlier panel, my guess is the law would say
10 this illegal.

11 MR. WALDEN: So that raises the obvious question
12 is, why when the endangered the species happens to swim in
13 the ocean, can you do that? Can you bring it across the
14 border without penalty or notice?

15 MR. FISHER: Well, you know, I'm aware -- I'm
16 not going to get into a legal analysis, I'm not qualified
17 to do that, but I'm aware of the -- you know, the
18 Convention on the International Trade of Endangered
19 Species, the CITES treaty --

20 MR. WALDEN: Does it list the fish?

21 MR. FISHER: Speaks to this issue about
22 creatures found to be endangered by one state, one country

1 and imported to another and even fish that resemble them
2 and can't be -- the difference can't be told. I think
3 it's a very serious issue. The question has many legal
4 facets as to whether the harvest of that in Canada was
5 legal or not, and several other related issues, I wouldn't
6 want to really speculate on where that lawsuit's is going
7 to go, but I think it's a -- you know, it's a very serious
8 issue they're raising.

9 MR. WALDEN: I do too, and especially in light
10 of the seriousness of this whole issue for our region,
11 terms of recovery of endangered stocks, and the price
12 we're paying and every -- every body is. I mean, again,
13 we know about hydro, and hatchery, and habitat, and you
14 know, now harvest. I'm also curious, I'd like to know
15 more about, and I think Randy you brought this up, the
16 zebra mussel issue.

17 MR. FISHER: Yes.

18 MR. WALDEN: Can you tell us what happens if
19 those zebra mussels begin to show up here? What happens
20 to our habitat, what happens to these other species?

21 MR. FISHER: The zebra mussels that were
22 actually came in on ballast water in to the Great Lakes a

1 number of years ago, and as a result of that, the effect
2 on the Columbia would be extremely severe because within a

3 --

4 MR. DICKS: Pull the mic up a little, just a
5 little closer.

6 MR. FISHER: Within a period of two years, the
7 zebra mussel which is about the size of your little finger
8 nail, will actually end up blocking a pipe that's about 2
9 inches around. So if you think about the Columbia River
10 system and you think about the number of irrigation pipes
11 and all the by-pass systems that we have, the cost would
12 be astronomical.

13 The second part that would be a very serious
14 effect on salmon would be the fish ladders themselves,
15 because zebra mussels go attached to the fish ladders. We
16 have -- we've been working with Bonneville Power
17 Administration to try to encourage them to start writing
18 environmental impact statement now, because when and if
19 they do show up, and if you look in a map, it's just
20 probably not a matter of if, it's a matter of when. They
21 need to -- we need to move fast in order to eliminate any
22 possibility of those things becoming permanent.

1 MR. WALDEN: And how do you do that? What's the
2 technique for eliminating of them?

3 MR. FISHER: Basically, they either scrub them
4 or they use chlorine. So you have to physically remove
5 them. They can live without -- outside of water for a
6 number of days, up to a week. The boat that was caught,
7 that was found in Seattle was a -- was actually a sale
8 boat, and it was encroached with zebra mussels, they put
9 it into salt water to kill it, but --

10 We have a big education program going all
11 throughout the Missouri, Montana, we go to all sports
12 shows and try and educate people that if you're going to
13 come out west, as part of Lewis and Clark deal, you better
14 make sure you have a clean boat.

15 MR. WALDEN: Leave the zebra mussels at home?

16 MR. FISHER: Pardon me?

17 MR. WALDEN: Leave the zebra mussels at home --

18 MR. FISHER: Exactly.

19 MR. DICKS: May be we ask Dave Allen, do you
20 guys do anything on this?

21 MR. ALLEN: (inaudible 38:16) Pacific Northwest?

22 MR. DICKS: Yes.

1 MR. ALLEN: Not here, but obviously the service
2 is heavily engaged in Great Lakes, there's a multi-partner
3 cooperative group that's focused very much on this, and
4 there's some funding to address this issue, on a national
5 scale.

6 MR. DICKS: Thank you.

7 MR. WALDEN: And I know Brian Baird's then, one
8 of the real leaders in the Congress on this issue. The
9 Northern Pikeminnow in the harvest there, I've seen a lot
10 on that. Is the Northern Pikeminnow a species that in
11 other regions is listed? I mean, I've heard, I've had
12 people tell me that, but --

13 SPEAKER: Listed?

14 MR. WALDEN: Yeah, is a threatened or listed
15 species, anywhere else?

16 SPEAKER: No.

17 SPEAKER: No.

18 MR. WALDEN: Okay, you know, in this job you
19 hear a lot from a lot of people, and so it's nice to have
20 a panel of experts, where you can get an answer to it,
21 because I've -- I've heard that. You know, I don't think
22 I have any other questions.

1 MR. DICKS: Okay, Congressman Baird.

2 MR. BAIRD: Thank you. I blanked on your name,
3 I'm sorry.

4 MR. RUTTER: Larry Rutter.

5 MR. BAIRD: So you're Larry. Okay, got you, all
6 right, good, thanks Larry.

7 MR. RUTTER: I think this will help, yeah, --

8 MR. BAIRD: Larry, I appreciate the tough
9 situation you must be in. I mean, we all remember the
10 decade or so ago that Canadian blockades of U.S. boats and
11 all that. But the reason that some of us are very
12 concerned about this is because we have a judge in the
13 Columbia River System saying he may run the whole river.
14 Call for tearing out dams, we've -- is mandated summer
15 spills that are costing a \$100 million.

16 And when you look at these pie charts in the
17 Puget Sound area, but certainly my understanding of the
18 data, and admittedly maybe they need further review, 40
19 percent of the harvest up there is listed Columbia River
20 Chinook, or the Chinook harvest that I should say. Well,
21 if you kind of judge, say an American ratepayers have to
22 pay an additional \$100 million, when they tear out dams

1 which will then jack up rates even more with significant,
2 I believe, environmental consequences, and you look at how
3 our fishermen and our ratepayers and our foresters and our
4 farmers and our communities have taken the hits.

5 You start saying, "Yes, you know, we need a
6 little help from the Canadians." And my hope would be
7 that the American delegation to that commission is an
8 advocate on our behalf, and a little steel in the spine, I
9 understand these can be delicate issues, but I -- I've got
10 to tie, I'm a little concerned from what I've heard so
11 far, from -- and this may be unfair characterization, but
12 is, please understand the perspective of the Canadians in
13 this.

14 And I don't think there's a silver bullet that
15 we just blame the Canadians and it solves. We've
16 discussed that many times here today. We've got to deal
17 with habitat; we've got to deal with hatcheries et cetera.
18 But neither do I believe that when I look at graphs like
19 this, and when I hear the 40 percent figure of their
20 harvests is listed chinook, then we can just say, "Well,
21 the Canadians don't have a responsibility here."

22 And I would encourage you and the American

1 delegation to say, "We've got some members of Congress and
2 some judges and some folks who're very, very concerned
3 about this." And so for the record, that's why you're
4 hearing our concern about Canadians. Hundred million
5 dollars gets your attention, we've got senior citizens
6 going to try to pay their bills this winter that's going
7 to be higher than it has to be. And so for the record, I
8 would like you to carry to the next discussions that we
9 want to see some changes there.

10 MR. RUTTER: Well, I appreciate that. You could
11 rest assured that the American delegation is going to come
12 out swinging to reduce the impact on Chinook. My -- the
13 point of my earlier comments was to make you understand
14 the context within which we work. The process things that
15 I was describing was to let you know that nothing happens
16 unless you agree.

17 So the conviction behind our position doesn't
18 necessarily translate into an agreement. That said, we
19 certainly will make the best case. We will make it with
20 bilateral data. The Canadians are quite astute at our
21 political -- understanding our political system. The know
22 that we have invested billions of dollars, I mean, they've

1 just -- their eyes glaze over when we throw around the
2 amount of money that we are spending on this kind of
3 thing, and they're sympathetic to that.

4 I just wanted our side to understand what they
5 are doing, what they've already done. They came in as
6 part of the '99 -- the era of the '99 agreement and bought
7 out half of their fishery. And what's left of it, they're
8 not letting fish in many cases. So they, you know,
9 they've got very dire circumstances in their fishery and
10 so this is the -- this is the other party, our partners in
11 this treaty that we're going to try to ask to do more.

12 I just want to put that in perspective. The
13 other thing I want to reiterate is that 40 percent of
14 their catch is -- are listed fish, but again I want to
15 reiterate that that's a consequence that we have listed
16 now a lot --

17 MR. BAIRD: What if we had not listed the
18 hatchery fish in a sense --

19 MR. RUTTER: Yeah, if we had not listed the
20 hatchery fish, you know, the -- the biggest contributor to
21 the WCVI trawl fishery in terms of a single ESU, I'm quite
22 confident, is the lower Columbia River chinook, which we

1 have listed, dominated, heavily dominated by hatchery
2 production out of the Mitchell Act hatcheries. And so
3 they're not going to be greatly swayed by our argument
4 based on that percentage.

5 MR. BAIRD: Okay.

6 MR. RUTTER: Because they know they're hatchery
7 fishing and they have a limited value in recovery.

8 MR. BAIRD: That's a helpful insight. Randy,
9 first of all I want to applaud you for the work on the
10 zebra mussel. Actually, I have been one of the leaders on
11 that along with Vernon Ehlers in the Science Committee.
12 The 100th Meridian Initiative, which is this, you know
13 well, and I'm sure Dave does is, the initiative to try to
14 keep the zebra mussels from getting west of the 100th
15 Meridian.

16 And the problem we face is if they get into any
17 of our freshwater drainage, from the water in Mexico on up
18 to Alaska we're going to have zebra mussels. And you look
19 at not just the pipes along the Columbia River, be it
20 irrigation or the hydro pipes you look at all the fish
21 screens.

22 The screens that divert the salmon around the

1 turbines, those things will incrust, it won't take a year
2 for those things to incrust. They will incrust and then
3 you won't -- they won't be able to filter water, and it
4 will make -- I believe, it will make all of this
5 discussion and all the billions of dollars we spent moot.
6 I think it is one of the single greatest threats we face
7 to the region. So Norm has been willing to work with
8 this.

9 It's one of those things that if we could spend
10 a few million now we could save billions and billions.
11 It's multi-billions as you know in the Great Lakes system.
12 So we need to deal with that. The challenge we face right
13 now is all the attention, much of the attention,
14 Congressionally, is on the Great Lakes. And one factor
15 you didn't mention is, but I'm sure you're aware of, the
16 gravel beaches on the Great Lakes becoming incrustated with
17 zebra mussels with two great consequences.

18 One, you can't walk on them, certainly,
19 barefoot. And two, they reek as the zebra mussels dry
20 when the water recedes. But it occurs to me that we could
21 also see a pretty significant loss of salmon habitat as in
22 the low water, if the zebra mussels get in the gravel

1 that's not going to be a conducive place for salmon to
2 spawn. So this zebra mussel thing, we really need to pay
3 attention to. It's not glamorous, politically, I can tell
4 you, but -- I applaud your efforts on them, and we should
5 commit to.

6 One question I had is, yesterday, you're
7 familiar probably with the Harvest Report put out by the
8 Northwest Power Conservation Council.

9 MR. KENLEY: Right.

10 MR. BAIRD: When we heard yesterday from those
11 folks, and I've actually read that report, they asserted a
12 great deal of ambiguity and uncertainty in harvest data.
13 And yet from your description it sounds like you're fairly
14 confident that we've got accurate harvest data at least in
15 the open ocean. Any -- if you're aware of that report, if
16 not I'll understand you might not want to answer. But if
17 you are, any reconciliation of those two perceptions one
18 suggesting ambiguity, and your observation suggesting
19 pretty great precision?

20 MR. KENLEY: My guess is the ambiguity is in the
21 type or the kind of fish that are being harvested; where
22 they're probably from. That's where the ambiguity comes.

1 We can't tell whether or not it's hatchery fish unless you
2 go through the coded-wire tags or PIT tag, you don't know
3 which hatchery that fish is from. So if there's an
4 ambiguity in the system that's probably where the biggest
5 ambiguity would lie.

6 MR. BAIRD: And that would then translate to
7 ambiguity in terms of which ESUs --

8 MR. KENLEY: That's correct.

9 MR. BAIRD: -- that's especially in the case of
10 wild fish which don't have tags of any sort. So --

11 MR. KENLEY: That's correct.

12 MR. BAIRD: Well, I appreciate the work, but I
13 would just want to add an addendum to my comment earlier
14 when I said the goal was "A sustainable sport and
15 commercial." I should have added to that, "and tribal
16 fishery". And I think I just want to reiterate that.
17 That is our goal here; that's what we're about when -- we
18 want the whole system to be able to work, and it is a
19 difficult process.

20 SPEAKER: Go ahead.

21 MR. KENLEY: Brian, I -- and our Congressmen, I
22 hope the United States addresses this U.S.-Canada treaty.

1 I can remember when we brought in Dewinsky (phonetic) an
2 ambassador to -- an ambassador, the --

3 MR. BAIRD: Former Congressman, by the way.

4 MR. KENLEY: Yeah, yeah, exactly.

5 MR. BAIRD: Dewinsky, from Illinois.

6 MR. KENLEY: Yeah. And a good friend of all of
7 ours from the U.S.A. And we settled this dispute up
8 there. This is going to be a dispute, exactly what we're
9 talking about. And it can go on and on and on. And this
10 is one piece of our puzzle of our fisheries management in
11 the Lower 48. And we better be damn serious about it.

12 And --

13 MR. BAIRD: Dave, you want to make any comment
14 on this subject?

15 MR. ALLEN: Which subject in particular?

16 MR. BAIRD: Well, just this U.S. -- I mean, this
17 upcoming negotiations with Canada from kind of an Alaska
18 perspective.

19 MR. ALLEN: Well, from our perspective, we have
20 a coast-wide conservation program. We think that it's
21 worked fairly well. At the back of the presentation that
22 Larry gave you, there's some graphs in there that show the

1 reduction in harvest rates in the ocean fisheries. That's
2 a direct consequence of the work that we did in the Salmon
3 commission. None of it came easily. It was all long,
4 hard-fought battles.

5 I'm hoping that with Canada this time around,
6 that having had about 10 years under our belts by the time
7 the next negotiation comes up that we'll be in a position
8 to come to some accord a little bit more amicability than
9 we were able to in the 1990s.

10 I think there is a real understanding on their
11 part of the border of the kinds of problems that we have,
12 and similarly on our side of the border, the sorts of
13 problems that they have. But we're ultimately going to
14 have to come to some kind of a resolution that speaks to
15 the interests on both sides.

16 I think that another thing to look at when
17 you're talking about the impacts of the West Coast
18 Vancouver Island Fishery, is it's one thing to talk about
19 percentage, it's also good to talk about numbers.

20 And when you look at the numbers of fish that
21 are being harvested on the west coast of Vancouver Island
22 there may be a pretty high percentage of one thing or

1 another. The absolute number is down very, very
2 substantially. So there's an effort in Canada, an effort
3 under the Salmon Commission Treaty.

4 MR. BAIRD: -- now, or not very substantial.

5 MR. ALLEN: It is much, much less than what it
6 was in the past. So the result, the net result of the
7 agreements that we've reached have been fairly positive.
8 Now, not positive enough, but nonetheless they've gone in
9 the right direction. So we recognize that we do have a
10 uphill battle coming up in 2008, but we're ready for it,
11 we'll do it.

12 MR. BAIRD: Thank you very much. Thank you all
13 and we're going to take a -- let's take just a 10-minute
14 break and then we'll come back with our third panel, and
15 we'll start at 11:40 a.m. Ten-minute break.

16 (Recess)

17 SPEAKER: This is TVW, Washington's public
18 affairs television network. Next on TVW, a public meeting
19 on the Pacific Northwest salmon preservation with
20 Congressional, state, and policy group representatives,
21 takes place in Tacoma on October 12th.

22 MR. DICKS: And representing Ron Sims today is

1 Pam Bissonnette. And Pam has worked on a number of these
2 issues with Ron, and I've been very appreciative of the
3 outstanding leadership that Ron Sims has provided in King
4 County on a multitude of salmon issues, and you know,
5 courageous work on the Critical Areas Ordinance, for
6 example. And Pam, go ahead, you've got five minutes to
7 start.

8 MS. BISSONNETTE: Congressmen Dicks, Baird, and
9 Walden, thank you very much for the opportunity and to
10 represent Executive Sims here today for King County. I
11 understand you would like to know what we have done --

12 MR. DICKS: Hold the mic just a little closer.

13 MS. BISSONNETTE: Sorry -- in support of salmon
14 recovery. So very quickly, once the listing was made back
15 in the late 90s. Executive Sims convened the Tri-County
16 process, which was the Snohomish, King, and Pierce County,
17 which represents the largest urbanized area draining to
18 the Sound. And that later was enlarged, and he was a
19 founding member along of course with Bill Ruckelshaus and
20 others of the Shared Strategy, which we have supported
21 ever since. King County is the lead for RIAs 8 and 9 and
22 a major player in 7. Those plans were six years in the

1 making and they are either unanimously adopted by their
2 cities and counties, or nearly so, and they are currently
3 pending approval by NOAA Fisheries, which we hope to see
4 in the early part of next year.

5 The costs in those plans are over about \$200
6 million for the first ten years, and we're committed to
7 finding, creating, and using those funds to speed salmon
8 recovery in those areas. But we didn't wait for the
9 planning. While the planning was going on, the area
10 covered by our RIAs has collectively spent over \$50
11 million, a lot of that leveraged, I would say, by the SRF
12 Board funding, which I want to express our appreciation
13 and gratitude for to our Congressmen for the support that.
14 We could not have done what we have done without that.

15 But in addition to that, there has been a lot
16 more local money that this has leveraged, and I'll just
17 give you the highlights. Last year, the County purchased
18 the 100,000 acres -- or protected 100,000 acres of the
19 headwaters of the Snohomish system by purchasing the
20 development rights to the Snohomish tree farm, as an
21 example. Congressman Dicks, you already referenced that
22 the Critical Areas Ordinance, which may not have been a

1 big dollar cost, but a very high political one.

2 We are initiating our reclaimed water project in
3 our current budget for \$26 million and if that is -- goes
4 to fruition, it will increase the flows in the Sammamish
5 River by about 16 percentage, which is huge, and decrease
6 the temperature-beleaguered river. We're also trying to
7 initiate with the other partners in the region a regional
8 water supply plan to connect the dots between in-stream
9 flows for fish and diversions for a municipal supply.

10 We're spending, or will have spent by the end of
11 the cleanup, King County alone, \$57 million on the cleanup
12 the Lower Duwamish. So those are just a flavor of the
13 kinds of things that just King County is doing. If you
14 replicate that across the ESU, I know other counties and
15 cities are making serious investments.

16 We do have a concern, however, that we'd like to
17 take this opportunity to voice. We've been working very
18 diligently with Shared Strategy on what recovery will look
19 like and how to get there, but our scientists are
20 reviewing right now the 2005 harvest plan. And it appears
21 as though there is a discontinuity between the definition
22 of recovery that we've been using in Shared Strategy and

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1 the definition of recovery in that harvest plan. And
2 there are specific -- again we haven't concluded our
3 review, but it appears as though that there is a very
4 serious impact, particularly on our RIAs in Sammamish
5 River and on the Cedar, where the harvest plan may not
6 yield the escapement that we need to people, if you will,
7 our environment. If we're going to build the housing for
8 the fish, we need the fish to come.

9 So we are still concerned over -- we're
10 considering reviewing that situation, but it is a concern
11 for us. You can imagine how difficult it is to raise that
12 kind of money locally and if it doesn't yield results,
13 then we're going to lose credibility with the region and
14 with our constituents.

15 So I'll close with that. We hope that that will
16 be resolved and that we will be able to move together with
17 an integration of the three H's in a confident way, that
18 we're going to be working together to achieve recovery.

19 MR. DICKS: Very good, thank you very much.

20 Now, we have Pete Knutsen from the Puget Sound
21 Gillnetters.

22 MR. KNUTSEN: Thank you, Congressmen, for

1 sponsoring the salmon event today. The state of salmon
2 should certainly concern all of us because it's an
3 indicator of the ecological health of our region, which is
4 certainly the most important legacy that we can hand down
5 to our children.

6 I represent the small boat non-treaty salmon
7 fishermen of Puget Sound as President of the Puget Sound
8 Harvesters. Also I'm an elected commissioner on the Puget
9 Sound Salmon Commission, which under the auspices of the
10 Washington State Department of Agriculture, seeks to
11 return the highest value for our salmon resource to
12 fishing communities in the state. The Commodities
13 Commission is funded by a two percent tax on catch
14 receipts, which has been self imposed by the 210
15 harvesters that we represent.

16 Personally, I've been a salmon harvester in
17 Puget Sound and southeast Alaska for 33 years and my
18 family direct sells our catch through neighborhood
19 farmers' markets, food co-ops, restaurants, and off our
20 vessel at Fisherman's Terminal in Seattle.

21 In this short time, I will briefly sketch the
22 most pressing economic and ecological issues confronting

1 our local fishing communities and then mention some of the
2 strategies which we are pursuing to take our fisheries
3 forward in a sustainable direction.

4 Between 1989 and 2000, the value of our salmon
5 plummeted on a per-pound basis in real dollars by
6 approximately 85 percent at the ex-vessel level. In
7 Alaska, the harvest, much of it done by Washington-based
8 vessels, remained high at sustainable levels while prices
9 plummeted. In Puget Sound the harvest of chinook, sockeye
10 and coho dropped radically for our fleet as did the per-
11 pound price paid to the fisher. The one bright spot for
12 our local fleets has been the very good returns of wild
13 spawning chum salmon.

14 Prices have dropped for a number of reasons,
15 worldwide explosion of farm salmon production, increasing
16 monopolization of the processing sector, possible abuse of
17 transport pricing and much higher margins being taken at
18 the distribution and retail levels of the salmon industry.
19 As a result of these factors, commercial fishermen have
20 been faced with the impossible imperative to catch more
21 and more salmon at lower and lower prices to stay
22 financially afloat.

1 In response to this downward spiral, the
2 harvesters and the Salmon Commission developed a new
3 strategy four years ago to move our fishermen away from a
4 low-value, export-oriented, low-quality harvest to a
5 catching strategy which emphasizes selective harvest of
6 high quality salmon and direct sales by the fishermen to
7 the consumer. Our strategy is analogous to that of many
8 organic farmers who have moved away from high-volume, low-
9 value production for an anonymous market, in favor of
10 niche marketing to the consumer farmers' markets and to
11 smaller retail outlets.

12 Fishermen who participate in our Sound Catch
13 Quality Harvesting Program are required to ice and process
14 fish onboard, minimize fishing time of their nets in the
15 water, and to generally treat fish with the utmost care.
16 I gave you, Congressmen, some literature over there.

17 We also provide advertising materials in a
18 central website to connect fisherman and buyers at
19 soundcatch.org. WDF and W has been very helpful in
20 helping us achieve our value-added goals and has
21 redesigned its harvesting schedule to facilitate our
22 direct marketing efforts. These efforts are now beginning

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1 to pay off. In the last three years, we have seen
2 substantial increases, more than double, in the ex-vessel
3 price.

4 Throughout the world, there is renewed interest
5 in the health benefits of wild salmon. In the wake of
6 scientific studies regarding the high pollutant levels in
7 farm-bred salmon and the documented benefits of the Omega-
8 3 oils found in wild salmon, we are finding tremendous new
9 opportunities to increase the value of our local fish
10 harvest.

11 The primary salmon fishery for the 210 salmon
12 gillnet permit-holders which I represent, is the fall chum
13 or keta salmon fishery. This fishery began last week and
14 continues for the next six weeks. This fishery has
15 recently benefited from excellent ocean conditions; the
16 runs have returned in spectacular fashion, producing some
17 of the largest chum salmon returns since the early 1900s,
18 approaching one million fish in southern Puget Sound
19 alone.

20 Although chum salmon has historically not been
21 considered a premier salmon choice, it is in fact an
22 excellent fish, high in Omega-3s and very low in pollutant

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1 levels. We are working hard to add value to this abundant
2 local resource. Other species such as chinook and coho
3 have not been so fortunate as the chum salmon, which we
4 primarily target. Due to a deadly combination of factors,
5 including habitat destruction, some non-selective harvest,
6 especially in the past and hydropower, these species are
7 in peril.

8 We support federal intervention under the ESA to
9 protect chinook and other stocks of concern, and we have
10 worked with WDF and W observers to change our fishing gear
11 techniques and harvest timing to minimize our impact on
12 these and other species. In our last two legislative
13 sessions, we've been primary advocates for the state bill
14 to allow WDFW to protect salmon runs from careless
15 destruction. On the federal level, we oppose the current
16 proposal by NOAA to permit net cage aquaculture in federal
17 waters; we feel this will open a Pandora's box.

18 In the decades ahead, as fossil fuels reserves
19 are depleted and transportation costs skyrocket, the
20 importance of Puget Sound as a food resource for our
21 population will become more and more apparent. What could
22 be more efficient than protecting and enhancing our wild

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1 salmon runs, which harvest the photosynthetic work of the
2 Pacific Ocean and bring it back to our doorstep? Thank
3 you.

4 MR. DICKS: Thank you very much. And now we
5 want to call on Todd Woolsey, who will be testifying on
6 behalf of the Puget Sound ESA Business Coalition. Todd,
7 welcome.

8 MR. WOOLSEY: Thank you Congressman, and I
9 appreciate the opportunity to be here with the other
10 people who are working so hard to recover the Puget Sound
11 chinook salmon in the area. My testimony today is going
12 to include comments on harvest as well as a little bit on
13 hatcheries, since both are related -- on habitat, pardon
14 me, one of the other H's.

15 As a way of background, the Business Coalition
16 is composed of businesses involved in manufacturing,
17 transportation, development, real estate, energy,
18 construction, and forest products. The Coalition has
19 actively participated in Watershed, Tri-County, and Shared
20 Strategy planning processes for the last six years. And
21 we remain committed to the goal of salmon recovery.

22 Our salmon recovery principles, which are

1 included with my written testimony, continue to serve as a
2 basis for decisions on salmon recovery, and that's the
3 last page of the written testimony, "The Principles of the
4 Business Coalition."

5 To summarize, the business community is
6 committed to region-wide recovery planning that's science-
7 based, incorporates economic considerations, and
8 recognizes other state and local government priorities.
9 We support a two-step approach to salmon recovery. First,
10 achieve ESA delisting; second, move towards sustainable
11 harvestable levels of salmon, primarily through incentives
12 and voluntary efforts.

13 To highlight just a few of our principles, the
14 ESA Business Coalition believes that salmon recovery must
15 be based on local and regional plans that are developed
16 and implemented at the local and regional level. On this
17 note, we commend the Shared Strategies for Puget Sound for
18 supporting a grassroots-oriented process in developing the
19 draft Puget Sound Salmon Recovery Plan.

20 We also believe all salmon recovery plans,
21 including harvest plans, must have clear goals and be
22 based on sound science, law and the principle of adaptive

1 management. Second, we -- whenever possible, salmon must
2 be protected through better utilization of existing
3 regulations, ordinances, best management practices and
4 permanent requirements rather than creating new
5 regulations and ordinances. And today's focus, we believe
6 that management of all harvesting must be controlled and
7 monitored if salmon are to recover; we concur with the
8 panel.

9 On the ESA, the Business Coalition has been
10 actively working with the Shared Strategy to provide input
11 on the Draft Puget Sound Salmon Recovery Plan. As part of
12 that effort we are working with the Shared Strategy to
13 address the Business Coalition's questions and concerns
14 relating to harvest.

15 One of the underlying assumptions in the draft
16 plan appears to be that the condition of the freshwater
17 habitat is the primary factor constraining salmon
18 productivity in Puget Sound rivers, and that further
19 reductions of harvest will not result in improved run
20 sizes. This was discussed a little bit earlier.

21 The Business Coalition is not convinced the
22 computer modeling used to evaluate habitat is advanced

1 enough to completely support this approach. Fishery
2 science is not exact; all of the H factors have a role to
3 play with respect to salmon recovery. In our view, it
4 would be more prudent to err on the side of excessive
5 escapement, or number of fish returning to spawn in their
6 river of origin, until we achieve recovery.

7 Some examples of measures we believe could be
8 taken to reduce the incidental take of ESA-listed fish
9 include the use of fin clipping of all hatchery-produced
10 salmon so that listed fish can be recognized and released
11 if caught, as well as some of the other techniques that
12 were referenced today as well. Also, a greater emphasis
13 on river mouth and estuary fisheries could go a long way
14 toward reducing the incidental take of fish from depressed
15 runs and other rivers.

16 Ocean fisheries do not discriminate; they catch
17 fish from all rivers that pass through that part of the
18 ocean, depressed or healthy, listed or unlisted. If
19 harvests were limited to river-mouth fisheries, in Alaska
20 and Canada for example, they could not be intercepting the
21 large numbers of Puget Sound chinook that are now
22 harvested in ocean fisheries. We should encourage

1 limiting harvest to river-mouth or in-river fisheries and
2 at the same time encourage Alaska and Canada to do the
3 same.

4 As for the draft Puget Sound Salmon Recovery
5 Plan, the Business Coalition completed a preliminary
6 review last summer and identified several issues of
7 concern, which were subsequently communicated with Shared
8 Strategies and NOAA Fisheries.

9 One, our first comment concerned recovery
10 criteria in adaptive management. The Draft Plan is silent
11 about whether the principles of adaptive management can be
12 applied to all recovery objectives and criteria in the
13 same way they apply to every other aspect of salmon
14 recovery.

15 Two, we also address the issue of
16 prioritization. The Business Coalition has always
17 maintained that it is important to prioritize actions and
18 programs that will lead the most quickly to delisting
19 ahead of voluntary incremental actions and programs that
20 make up these abundant numbers of harvestable fish.

21 And three, our comments address the concern
22 about conflicting regulatory strategies. The Coalition

1 supports the idea contained in the draft recovery plan of
2 evaluating the effects of the existing regulatory
3 programs, many of which are new, to assess their ability
4 to protect and restore a habitat, before implementing
5 additional programs or stricter regulatory measures.

6 At this point, it's -- my time is up, I thank
7 you for the opportunity and look forward to continuing
8 working with you on recovering salmon at Puget Sound.

9 MR. DICKS: Pete, you mentioned selective
10 harvest techniques. I noticed there was an article the
11 other day about the Lummi Island reefnet fishery, where --
12 and then they're all taking these sockeye they catch in
13 the reefnets, they bleed them in the water, so you get the
14 highest quality fish. And then they, like Anthony's
15 (phonetic) or other companies, take those, you know, buy
16 those fish from -- I assume they're your fishermen.

17 Tell me about that. Are we -- is there a way to
18 catch these fish so we can release the wild fish?

19 MR. KNUTSEN: Well, first of all, the
20 reefnetters are another gear group, but I'm actually
21 representing the gillnet fishermen. But that is a --
22 that's a very high quality fish. I've been supplying

1 restaurants for about 20 years; I do some downtown Seattle
2 restaurants. There's a way that we can use our gear to
3 produce a very high quality product, and I think, recover
4 salmon at the same time. One of things I do is we try to
5 handle the fish, we try to make short drifts; in other
6 words, you don't leave the gear in the water longer than
7 an hour.

8 We try to pick it up; you want those fish alive
9 when they come aboard. What I try to do is, when they
10 come aboard in the gillnet, I have a knife and I try to
11 snap a mesh with a knife so that I'm not harming that
12 fish. And then if it's -- you know, it's abundant
13 harvestable fish, then I can bleed it and get it down
14 below 30 within half an hour; that's what we do.

15 The selectivity aspect in terms of, like, our
16 gear type, gillnetting and I've seen it in longlined as
17 well, but the selectivity of our gear type, a lot of it
18 depends on when we deploy it, the run timing, you know, in
19 terms of the area. Also the key thing with gillnets is
20 you can use mesh sizes to achieve a very degree of
21 selectivity.

22 Let me give you an example. We switched over to

1 a six-and-a-quarter inch mesh restriction for our chum
2 salmon for our fall fishery about five-six years ago, or
3 maybe ten years ago now. And we saw our incidental take
4 of stocks of concern just plummet. Because those fish,
5 for example, small blackmouth or coho, they shoot right
6 through the six and a quarter.

7 MR. DICKS: Steelhead too would.

8 MR. KNUTSEN: And steelhead too. Steelhead
9 would just blast right through. So with a gillnet
10 properly deployed and monitored, you can get a high degree
11 of selectivity. It's not taking the fish out of the water
12 necessarily; it's actually selectivity in water. And so
13 that you can -- all these different techniques, seining,
14 reefnetting, whatever it is, there is ways that we can
15 work to get more selectivity out of it.

16 MR. DICKS: Pam, one thing, you know, King
17 County of course is, you know, the largest county in the
18 state. Seattle is there, and so you get a lot of people
19 and quite a bit of money to work with. And you know, as
20 we approach these problems it seems to me that there's got
21 to be a coordination between kind of what we're doing in
22 the Shared Strategy.

1 And by the way, yesterday Bob Lohn in Vancouver
2 said that they're going to have to revisit these numbers
3 that were in this original river-by-river level because
4 the Shared Strategy numbers, which are also partly created
5 by NOAA --

6 MS. BISSONNETTE: That's correct.

7 MR. DICKS: -- were much higher. And they're
8 going to review that, because there is obviously an
9 inconsistency. But it seems to me that if we're going to
10 recover these fish and, you know, we've got the Shared
11 Strategy approach, we also have to work on water quality.
12 And you know, in Seattle of course, with Lake Washington
13 we've showed that we could recover a significant body of
14 water in our state that was polluted, we couldn't swim in
15 it and it was a major challenge to the state. We had to
16 fund it and Metro was created and Forward Thrust, other
17 things of that nature.

18 I mean, don't you see a linkage here in this
19 whole effort to restore salmon that we also have got to
20 look at water quality in a very serious way? And the
21 governor's been talking about a new initiative for Puget
22 Sound. We're trying to get more federal resources in

1 support of that effort. Tell us about your view of that.

2 MS. BISSONNETTE: Well, you're absolutely
3 correct. We have the three -- we will have in a few
4 years, the three largest outfalls in Puget Sound. If you
5 combine all of the effluent from the Renton, the West
6 Point and the future Brightwater Treatment Plant, it's
7 about 250 million gallons per day of water. That's more
8 than Seattle supplies on a per daily basis. There are
9 around 140 million gallons a day on the average of water
10 supply.

11 So we are picking up a lot of ground water, a
12 lot of surface water, storm water into our system. We
13 have combined sewers in 40 percent of Seattle, and of
14 course, there's a lot of storm water that comes from that
15 highly impervious area.

16 We support the initiative that we hope is going
17 to be coming on the -- you know, to recover Puget Sound
18 because we are, as I mentioned earlier, we're already
19 spending 57 million just on cleaning up that water quality
20 residue in the sediments of this -- of the Duwamish over
21 the past several decades. That's from storm water, waste
22 water and combined sewer overflows discharging for decades

1 into the Duwamish and contaminating the sediments.

2 So sediments are now having to be dug up,
3 removed and disposed off at great cost, and there's an
4 environmental side effect. We can't do that entirely,
5 seamlessly without some of those sediments escaping into
6 the rest of the water column. So it isn't without
7 environmental cost, even the cleanup.

8 So what we're trying to do is a strategy that
9 has multiple benefits. The Brightwater Treatment Plant,
10 we made -- it will be the largest installation of membrane
11 bioreactor treatment in the world. It is Japanese
12 technology. I think the largest plant in the world right
13 now is about five million gallons per day. We're going to
14 build the 36 million gallons per day treatment plant,
15 where the entire base flow is treated to class A reclaimed
16 standard; that is far above secondary.

17 What that means then is rather than just waste
18 that into the Sound, as we have done in the past, we're
19 going to build pipelines to take it back into the
20 watershed and use it for irrigation of parks, of golf
21 courses, of cemeteries, industrial processed water, and
22 everything except drinking.

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1 We've done this already with biosolids. We 100
2 percent reuse our bio-solids environmentally sound. We
3 sell all the methane gas and generated energy from that.
4 The last thing we have to cross here is how to get
5 reclaimed water used in our region. And the multiple
6 benefit of that is if a golf course is using -- and they
7 often do, 600,000 gallons of virgin drinking water on
8 their golf course in a year, by providing them with
9 reclaimed water they -- that water stays in the ground or
10 it stays in the drinking water system, and can either be
11 deployed for other drinking water purposes or left in the
12 rivers for fish.

13 If we could do this for our other two treatment
14 plants, we have for the next century solved our water
15 supply problem. And at the same time, the other benefit
16 is those -- as clean as that water is it still contains
17 some nutrients. So when we use it for irrigation it's a
18 benefit. When we discharge it into the Sound, there's
19 still a small amount of pollution that goes into the Sound
20 with those discharges. So it removes that from the Sound.

21 So there is a double water quality-water supply
22 benefit from those kinds of projects. So we're looking

1 forward as the largest discharger in Puget Sound to
2 working with the state, the federal government, our
3 partners in the region to advance water quality from King
4 County.

5 MR. DICKS: Todd, I'm -- I was glad to see that
6 your business alliance is supporting the Shared Strategy.
7 How did this get created and how do you think the Shared
8 Strategy effort is going so far?

9 MR. WOOLSEY: It's -- I think it's going well.
10 It was created because the community, the region came
11 together into a -- for bottoms-up approach to Sound
12 recovery rather than having it imposed upon us. The first
13 couple of efforts were trials runs at it, as it were, but
14 not wanting to fail in recovering the salmon, the Shared
15 Strategies was brought together under the leadership of
16 Bill Ruckelshaus, who deserves tremendous credit.

17 We all know we're in this together; we all are
18 committed to the goal of recovering salmon. And I think,
19 to everybody's credit, all the stakeholders, that we have
20 learned to respect each other and to try and balance out
21 our different interests, make sure that the impacts that
22 we're all feeling are shared equitably and that we meet

1 the requirements of the ESA. And I think it's a very
2 mature approach and hopefully one that would be a model
3 for --

4 MR. DICKS: Do you worry about these water
5 quality issues that Pam was just talking about, in terms
6 of can we as a region put the resources together to deal
7 with these things, to keep Puget Sound from declining
8 further?" We've been solving the dissolved oxygen problem
9 on the Hood Canal. Can we do it?

10 MR. WOOLSEY: Of course we can do it. The
11 question is can we do it effectively with the limited
12 resources we have and which is why one of our positions is
13 to be very practical, and the way we approach this is to
14 get the most bang for the buck -- get the most bang for
15 the buck in what we do with addressing the different H's,
16 get the most bang for the buck in where we put our limited
17 resources for recovery and restoration. We don't have all
18 the money in the world, so we may need to make sure that
19 it's spent wisely to accomplish these goals.

20 MR. DICKS: Okay, good. Before I call on
21 Congressman Walden, I just want to ask you, is that a
22 comment on the monorail as well?

1 MR. WOOLSEY: No, comment.

2 MR. DICKS: Congressman Walden.

3 MR. WALDEN: Okay, I'll stay out of the monorail
4 issue. We don't have any of those in my district.

5 MR. DICKS: You have -- barely have roads out
6 there.

7 MR. WALDEN: We barely --

8 (Laughter)

9 MR. WALDEN: We're pretty happy with our horses
10 as though. Pam, I want to follow up on this effluent
11 discharge issue because I hear about this around -- I
12 would think most major American cities suffer a similar
13 problem. You know, Washington, D.C., where we have the
14 first -- one of the first endangered species in America is
15 the -- I think it's the short-nosed sturgeon or a long-
16 nosed sturgeon in the Potomac and over three or four
17 billion gallons of wastewater flows into Anacostia and
18 Potomac Rivers every year.

19 And I know the little sewer bill I get there
20 says if it rains hard that -- if it rains they've got
21 these inflatable dams they can erect inside their system,
22 but if it rains too hard then they have to open them up

1 and let it all flow out. And I've always wanted to ask
2 somebody who knew a lot about this, do endangered fish
3 swimming in that stuff suffer a consequence?

4 MS. BISSONNETTE: Well, actually we suspect they
5 do, yes.

6 MR. WALDEN: I mean, it can't be healthy for
7 them, can it?

8 MS. BISSONNETTE: A lot of the data for this
9 actually comes from Europe, in England and Western Europe,
10 where they started finding out. I mean, even technology
11 right now just takes out the solids, the suspended solids
12 and dissolved oxygen; that's what it's aimed at. It
13 doesn't deal, or hasn't until recently, dealt with the
14 exotic kind of pharmaceuticals that go into the discharge.
15 And one of the things that we find ubiquitously in storm
16 water and in wastewater is caffeine; caffeine is
17 everywhere. We've got, you know, fish on speed out there.
18 So --

19 MR. WALDEN: Like my coffee now.

20 SPEAKER: This is decaf by the way.

21 (Laughter)

22 MS. BISSONNETTE: Yeah, save a fish, drink

1 decaf. So what we're -- what they found in Europe and
2 we're beginning to find here in the United States is
3 fundamental genetic changes in fish where they cannot
4 reproduce; they are androgynous. We have the feminization
5 of some species and the masculinization of others. They
6 don't tend to be salmonids because salmonids --

7 MR. WALDEN: They're out there.

8 MS. BISSONNETTE: -- circulate so much. But you
9 take, you know, like bottom fish, and they are the ones
10 that we're finding these genetic problems with. So that
11 was another reason for us to go over to this class A
12 reclaim standard, is it removes huge amount of those what
13 we call endocrine disrupters. And that was -- I mean,
14 aside from being able to use it for irrigation, it made
15 good sense just for the quality of the Sound.

16 MR. WALDEN: Sure. Yeah, and I'm working with
17 some communities in my district on the same sort of issue.
18 One of the -- I guess, one of the questions I would have,
19 is if you had a bottom-feeding fish of some sort that's
20 listed, is this effluent discharge result in a jeopardy
21 take?

22 MS. BISSONNETTE: I think that's a question for

1 NOAA Fisheries.

2 MR. WALDEN: Yeah, I wouldn't answer it either
3 if I were --

4 MR. DICKS: For Fish and Wildlife.

5 (Laughter)

6 MR. DICKS: Fish and Wildlife.

7 MR. WALDEN: ~~But couldn't it? I mean, in theory~~
8 you are having an --

9 MS. BISSONNETTE: Yes, it can.

10 MR. WALDEN: -- adverse consequence on the fish,
11 right?

12 MS. BISSONNETTE: Yes.

13 MR. WALDEN: Yeah.

14 MS. BISSONNETTE: In fact, when we went through
15 our permitting of Brightwater, we did go through the whole
16 Section 7, part of that, and had to do a lot of research
17 on endocrine disruptors to assure them that we weren't
18 going to be engaged in take.

19 MR. WALDEN: All right. I want to follow up on
20 a comment you made about the differences between -- and I
21 don't know that that I got this right, but the recovery
22 definition in the harvest plan versus the recovery

1 definition -- is it in your recovery plan?

2 MS. BISSONNETTE: In the harvest plan and the
3 recovery plan?

4 MR. WALDEN: Right.

5 MS. BISSONNETTE: Yes, Shared Strategy worked
6 with the Technical Review Team, TRT, and came up with the
7 definition of what we needed to do in order to recover
8 salmon. And it was very specific in terms of the number
9 of populations that needed to get to a certain recovery
10 level, but then all the other populations needed to come
11 up to a minimum. My understanding -- I haven't -- again,
12 we're still looking at this, my understanding is that's
13 not the definition that was used for the harvest plan,
14 which had the first part, the number of populations that
15 needed to be preserved in any particular -- like south Sound,
16 north Sound, like, two to four populations.

17 But it didn't have that second part, which is --
18 and all the rest of the populations need to come up to
19 some minimum recovery standard. And that made the Shared
20 Strategy targets higher than the harvest plan. So if you
21 look at our watersheds, they're based on a certain assumed
22 escapement, and our investments are based on that, you

1 know, assumed escapement. But if you look at the harvest
2 plan it is -- we're just trying to figure out, are we
3 going to get that escapement.

4 MR. DICKS: Well -- and part of the reason I
5 asked that -- I'm glad you raised it, because yesterday
6 some of the testimony we got talked about the harvest
7 levels under the Magnuson-Stevens Act. I remember the
8 fellow who testified --

9 SPEAKER: Right.

10 MR. WALDEN: -- yesterday talked about there
11 were no fish being -- we were harvesting too many fish
12 under Magnuson-Stevens. The question though is, is
13 Magnuson-Stevens' definition the same as what you're
14 looking at, and is that the same as ESA? It's one thing
15 to prevent specie from going extinct; it's another to
16 achieve levels that can sustain a healthy harvest. And
17 these are the kind of under -- the issues there depends
18 upon what harvest level you're talking about or what -- I
19 think probably more appropriate, recovery level --

20 MS. BISSONNETTE: Correct.

21 MR. WALDEN: And how do we get everybody on the
22 same page? Because on the one hand you could have

1 somebody who says I'm following Magnuson-Stevens in terms
2 of my levels of harvest. I'm not going to decimate the
3 run, but I'm only looking at the ocean. And yet, you may
4 have a completely different standard for what you are
5 asking property owners and all to do on habitat and
6 setbacks and all that.

7 MS. BISSONNETTE: Well, let me just comment. We
8 at Shared Strategy and the locals that participated in
9 that, we didn't set those targets.

10 MR. WALDEN: That's fine.

11 MS. BISSONNETTE: But we abided by them. So we
12 just need to make sure whosoever setting them, they are
13 consistent.

14 MR. DICKS: Wasn't there also a problem in this
15 that certain species were allowed to go extinct?

16 MS. BISSONNETTE: Correct.

17 MR. DICKS: In certain rivers if there was an
18 abundance in four or five --

19 MR. WALDEN: The overall, yeah.

20 MR. DICKS: And at the same time we're doing
21 habitat work in the rivers in which we're going to let
22 them go extinct. I don't get that.

1 MS. BISSONNETTE: Well, that's the difference.
2 Again, we're still looking at this, but that I believe to
3 be the difference between the harvest plan definition,
4 where some are allowed to go extinct and the Shared
5 Strategy definition were none are.

6 MR. DICKS: And I think the escapement numbers
7 in Shared Strategy were much higher --

8 MS. BISSONNETTE: Yes.

9 MR. DICKS: -- than the escapement numbers in
10 the NMFS report.

11 MS. BISSONNETTE: Practice plan.

12 MR. DICKS: And so is this -- I mean, they are
13 dramatically different. So hopefully -- even Bob Lohn
14 promised us yesterday that they are going to review this.

15 MS. BISSONNETTE: That's good to hear.

16 MR. DICKS: Go ahead.

17 MR. WALDEN: And then --

18 MR. DICKS: You get more time.

19 MR. WALDEN: Yeah. I can't wait to get back to
20 Washington where I actually have the gavel.

21 MR. DICKS: You aren't the chairman.

22 MR. WALDEN: I am the chairman. This is --

1 (Laughter)

2 MR. DICKS: It's been --

3 MR. WALDEN: They don't even let these guys get
4 near a gavel and now you see why, you know.

5 (Laughter)

6 MR. WALDEN: Such abuse I take. I had a couple
7 other questions. Pete, you talked about the recovery of
8 the chum salmon, and I'm going to show my ignorance here,
9 explain to why that one has come back so successfully and
10 so forcefully. What do they -- what do you know? What
11 are they telling you?

12 MR. KNUTSEN: It's a -- that's a really good
13 question. The primary difference between, say, chum
14 salmon and chinook which are, you know, the ESA-listed --
15 and a lot of the coho stocks are also stocks of concern.
16 The primary difference is habitat dependency. What you
17 have with chum salmon is essentially they are coming back
18 now. They're going to be laying their eggs in, you know,
19 December-January. And they have a very short time in the
20 gravel before they hatch out, maybe a few months.

21 And then once they hatch out, they head
22 essentially straight out to the Pacific. And so they're

1 much less dependent on --

2 MR. WALDEN: Oh, I see.

3 MR. KNUTSEN: And this is also happening at a
4 high water tide too.

5 MR. WALDEN: Yeah.

6 MR. KNUTSEN: And also, they don't go away up in
7 the rivers into the tributaries like coho do or like
8 chinook. So --

9 MR. WALDEN: They are pretty close in and out.

10 MR. KNUTSEN: They're in the lower regions of
11 the estuary and --

12 MR. WALDEN: Coldest water.

13 MR. KNUTSEN: And so that the good ocean
14 conditions are directly reflected in the chum salmon
15 survival, but man, if you are talking about chinook and
16 coho, then after over summer, you know -- or in the Kitsap
17 Peninsula, you know, they have to drill down, what, a
18 thousand feet to get water now. I mean it's -- that's
19 really hard to get them water now.

20 MR. WALDEN: Let me ask you, Todd made a comment
21 about a suggestion to limit fisheries to the river-mouths.
22 I think you said the mouths of the river, not ocean, as a

1 way to -- is that accurate?

2 MR. WOOLSEY: Correct.

3 MR. WALDEN: Yeah. What effect does that have
4 on people like -- who do what you do, Pete?

5 MR. KNUTSEN: Well, what happens with fish when
6 they come back from the ocean is that at a certain point
7 they stop feeding. And then they stop -- they start
8 living on their on oils.

9 MR. WALDEN: Yes.

10 MR. KNUTSEN: And when that starts happening,
11 those fish start turning and they become dark, they become
12 less attractive.

13 MR. WALDEN: I see.

14 MR. KNUTSEN: What we are trying to do is take
15 those fish when they are still discrete, using techniques
16 that can identify discrete stocks like scale sample
17 analysis. This is routinely done in Alaska, but still
18 take them when they are bright because --

19 MR. WALDEN: I see.

20 MR. KNUTSEN: You know, that's when you get the
21 maximum economic benefit to the community and to the
22 state.

1 MR. WALDEN: Okay. So yours is an issue about
2 getting them while they are -- still appeal the most to
3 the consumers?

4 MR. KNUTSEN: That's right.

5 MR. WALDEN: And yours is more an issue of where
6 you take the fish period in terms of the run?

7 MR. WOOLSEY: I -- yeah, our point -- it was
8 just an example to --

9 MR. WALDEN: All right.

10 MR. WOOLSEY: -- to call for having the fish get
11 a lot closer to their destination rather than this
12 indiscriminate take --

13 MR. WALDEN: So you could target them better.

14 MR. WOOLSEY: -- in the ocean fisheries.

15 MR. WALDEN: Okay. All right. Because -- Pete,
16 isn't it true that while you can -- maybe the mesh size
17 can help regulate the type of fish that get through versus
18 those that get caught. You can't differentiate between
19 the hatchery and the wild stock of the same fish short of
20 pulling them out and checking the adipose --

21 MR. KNUTSEN: Pretty much. Our selectivity is
22 in-water selectivity. Although we are developing

1 techniques now to revive fish -- you know, we can run now
2 hoses to boxes. This has been done on the Columbia River

3 --

4 MR. WALDEN: Recovery boxes? Yeah.

5 MR. KNUTSEN: -- pretty successfully.

6 MR. WALDEN: Yeah. We were talking about that
7 yesterday.

8 MR. KNUTSEN: Yeah.

9 MR. DICKS: Just on that --

10 MR. WALDEN: The time just expired -- well,
11 actually I should get more time. But you go ahead.

12 MR. DICKS: Actually you did. You got two extra
13 minutes.

14 (Laughter)

15 MR. DICKS: What about tangle nets? Can you
16 guys use tangle nets?

17 MR. KNUTSEN: Well, that's an interesting idea.
18 I mean -- and I've gone to smaller mesh nets for a number
19 of reasons, mainly because it doesn't girdle the fish and
20 bruise them when I catch them. But yeah, I think that's
21 an interesting option to begin to look at other options.

22 MR. DICKS: Because then you could release the

1 wild fish?

2 MR. KNUTSEN: Yeah, when there is a problem
3 that's -- that would be a good thing to check out, I
4 think, yeah.

5 MR. DICKS: And reefnets is another option where
6 you could release the wild fish as well?

7 MR. KNUTSEN: Yes. And also, you know, changing
8 the gear size, maybe depth, restrictions, there is a lot
9 of different kinds of things we can use to make these
10 fisheries more selective. We're doing lots of stuff now.
11 I mean, we have opaque strips on the top of our sockeye
12 net to minimize seabird take now. I mean we -- we're the
13 only gillnet fishery in the world that does that. And so
14 we've put a lot of new programs precisely to do that.

15 MR. WALDEN: Can I just ask one more question?
16 I heard yesterday that the gillnetters in the Columbia
17 River system are the only gillnetters that work in a river
18 system in the U.S. and actually are commercial. Yeah,
19 commercial gillnetters. The Columbia is the only one with
20 commercial gillnetting still in the river system?

21 MR. KNUTSEN: Well, of course you have, you
22 know, a lot of tribes. The tribes maintain --

1 MR. DICKS: Aside from tribal rights.

2 MR. WALDEN: Right, in terms of non-tribal --

3 MR. KNUTSEN: And then you've got Great Lakes
4 fishermen that work in fresh water, you know. I don't
5 know -- you know, the Yukon River, I mean, you've got
6 Alaskan river fisheries as well.

7 MR. WALDEN: Yeah. That are gillnet?

8 MR. KNUTSEN: Yeah.

9 MR. WALDEN: In-river?

10 MR. KNUTSEN: Yeah.

11 MR. WALDEN: Okay. All right, that helps.

12 Thank you. Thank you Mr. Chairman, I'll yield back any
13 remaining time I might have otherwise --

14 MR. DICKS: Yes, quite well.

15 MR. WALDEN: -- had that you use.

16 MR. DICKS: Congressman Baird?

17 MR. BAIRD: Norm, I think we need to have a
18 whole lot more of these field hearings since --

19 MR. DICKS: Yeah, we're having fun.

20 MR. BAIRD: Yeah.

21 MR. WALDEN: He gets to be the chairman next.

22 MR. BAIRD: Yeah. In all seriousness, these

1 have been tremendously informative. And we thank
2 everybody who has been here as a participant and in
3 testifying as well. Pam, I want to follow up, were you
4 here when I asked earlier -- I sort of anticipated
5 possibly your testimony. I didn't -- I hadn't seen it
6 before but I knew it's been an issue.

7 When I asked Bob Lohn, my impression from Mr.
8 Lohn's testimony was that they seem to feel that their
9 escapement targets are acceptable and will not lead to
10 extinction in any of the rivers. And that seems to be in
11 contrast to what your judgment seems to be. Any comments
12 on that apparent discrepancy?

13 MS. BISSONNETTE: Yes, actually it's not really
14 our judgment. The -- both criteria were set by NOAA
15 Fisheries. One was given by them to Shared Strategy, you
16 know, by the co-managers, I should say. And then the
17 other was set by them in the harvest plan. We, as local
18 governments, don't set any kind of targets. So what --

19 MR. BAIRD: But your critical habitat ordinances
20 depend upon a certain escapement in order for the whole
21 thing to work.

22 MS. BISSONNETTE: Yes, we put the entire program

1 together around those targets.

2 MR. BAIRD: So there seems to be a pretty
3 significant discrepancy. You folks are saying we're going
4 to require our local communities, our businesses, our
5 homeowners, farmers, foresters to agree to certain kinds
6 of procedures that are costly. And yet, the success of
7 those procedures depends on an escapement number above
8 that which NOAA is apparently setting, at least for some
9 areas. Is that a fair portrayal?

10 MS. BISSONNETTE: For our watersheds, that
11 appears to be the case. We haven't completed our review
12 but that appears to be the case.

13 MR. BAIRD: What process exists for you to try
14 to resolve this difference of -- this difference?

15 MS. BISSONNETTE: Well, I represent Executive
16 Sims on Shared Strategy, and have brought it up there a
17 number of times. And we are hoping that it will get
18 resolved either there or between the members of U.S. Fish
19 and NOAA Fisheries that sit on Shared Strategy and those
20 that are working on the harvest plan.

21 MR. BAIRD: Okay. And that's something I'd like

22 --

1 MR. WALDEN: As I understood Bob Lohn yesterday,
2 he said he was going to personally review this based on
3 the questions we asked him yesterday.

4 MR. BAIRD: I hope we'll encourage that.
5 Because as I heard today, you know, my impression today
6 was that -- my impression was that he was suggesting --
7 and I'm not trying to put words in his mouth, but I got
8 the impression that he was suggesting that the harvest
9 levels are acceptable, that there will not be extinction
10 and that they're compatible with the CE -- there is a
11 gentleman in the back here who may have some extra --

12 MR. DICKS: You want to clarify that?

13 MR. DYGERT: My name is Peter Dygert. I'm with
14 NOAA Fisheries and perhaps I could comment on that.

15 MR. BAIRD: Please.

16 SPEAKER: Come on now.

17 MR. DYGERT: All right, how about ---

18 SPEAKER: No, you can do it right there.

19 MR. DYGERT: I appreciate the concern about the
20 escapement goals in the recovery plan --

21 MR. DICKS: A little closer.

22 MR. DYGERT: The escapement goals in the

1 recovery plan versus the escapement objectives that have
2 been defined in the harvest management -- in the current
3 harvest management biological opinion. And we would -- I
4 think there is a time component that hasn't been reflected
5 here. In the harvest plan, the current escapement
6 objectives, the high-abundance thresholds are designed to
7 -- are calculated to be consistent with maximum sustained
8 yield given the existing habitat conditions.

9 And our -- if you read the biological opinion,
10 you'll see a theme of adapted management on expectations
11 of those objectives would be revisited periodically and
12 regularly. And that as conditions improve, as management
13 -- as habitat improves, that they would be revised, and I
14 would expect the gap between existing, sort of, the
15 harvest criteria and the Shared Strategy criteria would be
16 close to the point that they would -- you know, to
17 diminish the discrepancy.

18 MR. BAIRD: To what extent is this post-hoc
19 justification versus A-priority planning? In other words,
20 I've heard that this coordination between the harvest side
21 and the recovery side has not actually existed in the
22 past. And to what extent are what we're hearing today

1 kind of a rationalization for that disjunction?

2 MR. DYGERT: Well, there is a -- the biological
3 opinion or our approach to harvest has been evolving over
4 the last several years since we had listings in 1999, I
5 believe. We have been consistently trying to keep up with
6 the evolving science, recovery plans are -- and advice
7 about recovery objectives are sort of new information, if
8 you will. Our harvest -- the harvest objectives that --
9 the escapement criteria for the harvest objectives were
10 designed, were calculated based on existing habitat and
11 the productivity of the systems as they currently exist.
12 And the --

13 MR. DICKS: A little closer.

14 MR. DYGERT: The TRT objectives were designed to
15 be consistent with properly functioning condition in the
16 expanse of available habitat. So -- again I -- it wasn't
17 a post-hoc justification. We are supporting the, you
18 know, Shared Strategy, it's -- you know, we're strong
19 proponents of that. We think the perception of a
20 discrepancy between the escapement goals is, you know,
21 valid. But there are -- there is a, you know, an
22 explanation for that.

1 MR. BAIRD: All right. I appreciate the
2 explanation. I would just encourage -- and I think you
3 heard Ms. Bissonnette suggest that they are in a bit of a
4 quandary because they are asking for a significant
5 sacrifice in adjustment on the part of the people they
6 represent. And they need some assurance that the harvest
7 and escapement numbers will coincide in some fashion that
8 justifies that investment.

9 Otherwise, they are really left looking pretty
10 stupid. They are saying, "We're asking you to do all this
11 work and not to spend all this money and yet at the end of
12 the day we're not going to see enough fish come back up to
13 make it worth your while."

14 So I just would strongly encourage you to make
15 sure that you don't leave them in that position;
16 otherwise, we've wasted the money.

17 SPEAKER: And I appreciate that distinction.
18 Mr. Lohn made a commitment to review that. I think I -- I
19 think we can do a better job of explaining the evolution
20 of the expectation about how harvest will evolve to meet
21 the expectations of the habitat.

22 SPEAKER: That's great.

1 SPEAKER: You know, the habitat community.

2 SPEAKER: Thank you for offering that input.

3 Pete, I want to ask you a question. I thank you, that's
4 very helpful, I appreciate it. We have, as you know, a
5 lot of gillnetters in the Columbia River. They spoke
6 yesterday of several things that I want to ask if they
7 apply and some have been anticipated by my friends here.

8 They spoke about the use of tangle nets and
9 mandatory tangle nets on certain fisheries for a selective
10 harvest, the mandatory use of recovery boxes, and they've
11 asserted at least they're open to monitors on every -- at
12 any time. You, for market reasons, sounds to me like
13 voluntarily have implemented those kinds of procedures.

14 To what extent are they mandatory on the Puget
15 Sound? In other words, if we want to move towards a more
16 selective harvest, to what extent are in place now these
17 kind of procedures to protect the listed fish versus the
18 hatchery?

19 MR. KNUTSEN: Right. Well, first of all, I
20 would say that if you look at our fishery there's a hole
21 compared to the way they were 30 years ago. We've lost
22 about 90 percent of our traditional fisheries. I mean,

1 harvest has been just throttled down so far that --
2 essentially all my guys work on, essentially, now is chum
3 salmon, and then we have some isolated fisheries in
4 Bellingham Bay, Dungeness where very discreet stocks are
5 being harvested --

6 SPEAKER: -- and there's not much by-catch of
7 the Chinook and the listed species.

8 MR. KNUTSEN: No, in fact that's always a --
9 where we have like, Thompson River Coho, for example,
10 that's a concern during the sockeye fisheries. And so the
11 state has mandatory brailing. In other words, for Sounds,
12 they've actually -- they can't strap the whole fish and
13 lower it on to the deck, they actually have to take them
14 little by little and sort.

15 We've got -- we have had recovery box training
16 in that situation, and also, area and time restrictions.
17 I think you have to look at also fishery-by-fishery,
18 because you don't want to come in with one solution like
19 tangle nets where you don't need it. You know?

20 SPEAKER: Yeah, absolutely.

21 MR. KNUTSEN: And so I think we have to look at
22 it and be flexible a lot. But those things are always --

1 I mean, I know the department is working on those things
2 all the time. We've had observer programs to monitor by-
3 catch down here in South Puget Sound. So it's on the
4 radar screen and it's -- yeah, I think it's -- yeah, we're
5 going in that direction.

6 SPEAKER: Okay. And there's a general sense of
7 cooperation on the part of the gillnetters and commercial
8 fishermen that we want to work together.

9 MR. KNUTSEN: Yeah, that's -- in fact, one of
10 the things that the department did is they sponsored a
11 fish-friendly workshop that if you want to fish, say,
12 sockeye season, you'll have to go to a seminar and
13 actually see how to revive fish, you know, how to do
14 fishers techniques that will have a high rate of recovery.

15 So we've got a lot of those things in place.
16 And, of course, my group, we're pushing that. I mean, our
17 whole focus is not to necessarily, increased harvest. Our
18 whole focus is to add value to what's there and to make
19 connections with local consumers so that we get away from
20 that low value mass harvest model.

21 SPEAKER: And I certainly support and support
22 the efforts to restrict the pen fishing and the farm

1 fishing. I believe that's destructive to your market and
2 frankly, has an environmental impacts.

3 The one thing I thought I would just conclude my
4 time by commending your group for its work, but also
5 encouraging, although we're here in the Puget Sound and I
6 had the great privilege of representing both South Puget
7 Sound and the Columbia River with the nature of the 3rd
8 District, our entire region is impacted by what happens on
9 the Columbia as well because of the power costs.

10 And so, well, the Puget Sound ESA Business
11 Coalition is probably, quite understandably, concerned
12 about what's happening in terms of the habitat harvest et
13 cetera on the Sound, the whole region needs to be
14 attentive to what's happening down on the Columbia River
15 as well, because of its impact on power costs, which is,
16 you know, driving our whole economy. So thank you for the
17 work and I want to thank the witnesses for a great
18 testimony. Thank you.

19 SPEAKER: All right, thank you very much. We're
20 still basically on schedule. On to our fourth panel.
21 Thank you very much.

22 (Recess)

1 SPEAKER: Next on TVW, a public meeting on the
2 Pacific Northwest Salmon Preservation with Congressional,
3 state and policy group representatives takes place in
4 Tacoma on October 12.

5 MR. BAIRD: All right. Okay, I want to thank
6 our panel here today. I'm going to call first on to Steve
7 Sande from Puget Sound Anglers for five minutes, and I
8 would like to hear -- I hope you saw those charts. The
9 anglers are getting about this much on the end of the
10 deal.

11 MR. SANDE: Well, don't worry, we haven't lost
12 sight of --

13 MR. BAIRD: Give you a microphone.

14 MR. SANDE: I will try to be the only person you
15 can hear today.

16 MR. BAIRD: Pull it up closer so we can hear
17 you.

18 MR. SANDE: Do you hear me?

19 MR. BAIRD: Yeah.

20 MR. SANDE: All right. First I'd like to thank
21 Congressmen for inviting us here. It's nice to be at the
22 table with all these scientists and politicians. I

1 represent Puget Sound Anglers, which is a group of 15
2 independent chapters that is spread throughout Puget Sound
3 from the straits all the way down to Olympia. Chapters
4 are made up of thousands of members who are men, women,
5 and especially we like the kids. So there's lots of
6 people, lots of people on our group.

7 From the beginning we've been in support of HSRG
8 which has been mentioned here before, it's the Hatchery
9 Scientific Review Group bringing credible science into
10 management of our natural resources instead of allowing
11 politics to dominate. The priority is and should be
12 recovery of the resource for the long-term benefit of all
13 the citizens of Washington.

14 In the implementation of ESA the Federal
15 Government can and does allow federal -- or does allow
16 exemption, which has been discussed here today. As long
17 as recovery plans are in place, two components that must
18 be considered are certainty of effectiveness and certainty
19 of implementation. We believe that the plan laid out by
20 HSRG has addressed the certainty of effectiveness.

21 In regards to certainty of implementation, we
22 have significant concerns. We can question political

1 decisions that would put a half a million dollars, for
2 example, into the Naselle Hatchery, which as HSRG has
3 indicated, has significant and irreparable problems.
4 While closing Garrison Springs, which HSRG has recommended
5 to receive only minor tweaking, in failing to fund the
6 Deschutes Watershed Center which has strong support from
7 HSRG.

8 We are also frustrated at the inability to
9 implement mass marking, which is a critical tool for
10 implementation of hatchery reform. In conclusion, we ask
11 our political and policy leaders to implement the HSRG
12 recommendations in their entirety rather than pick them
13 apart and deem it a failure. Again, we appreciate being
14 given the opportunity to be a partner, we consider
15 ourselves a partner in the overall efforts to ensure the
16 survival of returning adult salmon and steelhead. Thank
17 you.

18 MR. BAIRD: Yes, now I'd call on Ramon Vanden
19 Brulle from Washington Trout.

20 MR. BRULLE: Thank you, Congressmen. Washington
21 Trout appreciates your attention of these important issues
22 and the opportunity to offer our perspective here today.

1 I might as well get right to the point. Washington Trout

2

3 SPEAKER: Hold the mic just a little bit closer.

4 SPEAKER: Little bit closer, thank you.

5 SPEAKER: Closer still, sorry.

6 MR. BRULLE: Okay. Washington Trout is

7 skeptical about current harvest management in Puget Sound

8 and throughout the region. NOAA Fisheries appears to

9 accept two major justifications for current management

10 approaches to salmon harvest. We've heard some allusions

11 to both today. First, the current habitat capacity is

12 fully seeded by existing spawning escapement levels.

13 And second, the consideration of extra

14 biological mitigation for the risks imposed by harvest,

15 specifically the notion of what NOAA calls a fair

16 distribution of the burden of conservation. On close

17 examination, neither of these justifications turns out to

18 be entirely convincing. Nobody could reasonably challenge

19 or doubt that current habitat capacity is significantly

20 reduced from historical levels.

21 Meaningful salmon recovery will require

22 sustained investment in habitat protection and recovery.

1 But harvest managers are asserting that habitat is so
2 currently limited that increasing spawning escapement
3 would not increase salmon productivity, that those extra
4 spawners would be essentially spinning their wheels,
5 laying eggs that will not hatch, or hatching juveniles
6 that will not reach the ocean.

7 Some of your questions have recognized that as a
8 significant claim requiring a fair amount of supporting
9 evidence and is noted by a previous panelist, the evidence
10 that has been offered so far, is dominated by a high
11 degree of uncertainty. Most independent researchers agree
12 that the only effective way to determine the productivity
13 of available habitat would be to allow spawning
14 escapements significantly higher than current targets for
15 at least two salmon generations roughly 10 to 12 years.

16 That of course, has never been done and in fact,
17 most populations suffer from a chronic under escapement,
18 reductions in harvest rates notwithstanding. To hedge
19 this argument NOAA asserts its unwillingness to impose on
20 harvesters a conservation burden higher than they deserve
21 relative to their responsibility for salmon declines. But
22 it is not at all transparent how NOAA has calculated its

1 equitable distribution of conservation burden.

2 What exactly is a conservation burden unit? How
3 are they quantified, and how exactly should they be
4 distributed? That calculation --

5 SPEAKER: Pull that up just a little closer,
6 'cause I'm worried -- can you hear him back or not?

7 Cannot hear?

8 MR. BRULLE: That calculation would have to be
9 extremely complex and almost necessarily subjective.
10 First, somehow determining each stakeholder's relative
11 responsibility in salmon decline and then factoring and
12 cross-referencing a vast array of societal cost and
13 benefits. It is not clear to Washington Trout that these
14 calculations would inevitably favor salmon harvest
15 interests. Nor is it clear to us that NOAA has a legal
16 responsibility or right to codify this essentially
17 subjective calculation.

18 One wonders what timber development or
19 agricultural interests might have to say about it or how
20 much progress would be made once that argument gets
21 started. Washington Trout's skepticism of current harvest
22 management does not exist in a vacuum. In fact, it is

1 shared by NOAA's own independent science review body. The
2 Salmon Recovery Scientific Review Panel was convened by
3 NOAA to evaluate salmon recovery efforts for scientific
4 credibility.

5 The rotating panel is made up of six highly
6 qualified nationally recognized experts in genetics,
7 ecology, and conservation biology. In November 2001, the
8 RSRP issued an unusually sharp report harshly critical of
9 the way NOAA manages the harvest of listed salmon and
10 steelhead. Here are just a few quotes from the RSRP
11 Report:

12 "We remain mystified concerning the scientific
13 justification for the continuation of substantial or high
14 allowable harvest rates on listed salmonic populations.
15 NMFS personnel use subjectivity and legalism to justify
16 biologically unsustainable harvest rates on several listed
17 populations. The models used to set allowable harvest
18 each year need to be much more thoroughly tested and
19 validated. And finally, NMFS should develop a rational
20 harvest policy that does not demean scientific
21 commonsense."

22 Instead of responding appropriately, NOAA

1 dismissed the panel's report. In 2002, Washington Trout
2 joined by nine other conservational organizations
3 requested clarification from NOAA about its response to
4 the RSRP's report. We never got a direct response, but
5 NOAA did make its intention public to issue what they call
6 the technical response to the RSRP Report.

7 Over three years later, we've still not seen
8 that report and yet NOAA continues to use the same
9 policies and rationales that were so harshly criticized by
10 its own scientific review panel. We would urge you
11 Congressmen to use your influence to press NOAA for a
12 response. I want to thank you today. It looks like my
13 time is up.

14 I want to let you know that Washington Trout
15 appreciates what -- looking into these issues we hope that
16 you'll continue to look into these issues in the future.
17 We have significant experience and expertise in these
18 issues. We hope that you'll consider us a resource in the
19 future. Thank you very much.

20 MR. DICKS: I want to call next on a good
21 friend, Curt Smitch, who previously served as Assistant to
22 the Governor for Natural Resources in the Executive Policy

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1 Office of the Governor. In this position he was
2 responsible for the development of the Washington State
3 Salmon Recovery Strategy. Mr. Smitch has also served as
4 the Assistant Regional Director, North Pacific Coast Eco-
5 region, U.S. Fish and Wildlife Service, where he was
6 responsible for the President's Forest Plan, Habitat
7 Conservation Plan, Endangered Species Act issues in the
8 State of Washington and Oregon and was also the director
9 of the Washington Department of Fisheries. Mr. Smitch.

10 MR. SMITCH: Thank you, Congressman Dicks,
11 Congressman Walden, and Baird. Appreciate the opportunity
12 to be here today to participate in a discussion about the
13 role of harvest and salmon recovery. This is the first
14 time I'm aware of, where members of Congress have held
15 public meetings in the region to discuss this important
16 component of salmon recovery.

17 Let me quickly emphasize, as each of you did,
18 that focusing on salmon harvest in no way diminishes the
19 importance of the critical role that habitat protection
20 enhancement plays in salmon recovery. You've already
21 heard many points of view and received considerable
22 information on the role of harvest and salmon recovery.

1 Therefore, as a former head of Government Salmon
2 Recovery Office and the former chair of the Pacific Salmon
3 Commission, I'd like to restrict my remarks or what I call
4 lessons learned, and offer a few suggestions for improving
5 the harvest management of salmon.

6 Lessons learned number one, first and foremost,
7 the recovery of salmon is a public decision. Whether we
8 like it or not, if the public is not willing to make the
9 sacrifices and pay the cost, then salmon recovery will not
10 happen. This means that salmon harvest management must be
11 as open, transparent, and accessible to the public as
12 those processes involved in protecting salmon habitat.

13 For example, developing and passing critical
14 area ordinances at the local government level or updating
15 the State Shorelines Management Act to make it compatible
16 with the requirements of Endangered Species Act or setting
17 in-stream flows for salmon.

18 Two, hatchery management cannot be separated
19 from harvest management. We have over 200 hatcheries in
20 the region, over 100 in the State of Washington. The cost
21 for operating these facilities approaches a 100 million a
22 year. These facilities were built solely for the purpose

1 of harvest. I am, of course, aware that there are a few
2 instances where hatcheries can be used to help conserve
3 wild fish.

4 However, such efforts are minuscule in the scope
5 of the regional hatchery effort. Thus any attempt to
6 address the impacts of hatchery-raised salmon on the
7 recovery of wild salmon must explicitly address harvest
8 and vice versa.

9 Three, if we're going to continue the current
10 regional hatchery production levels, then we must change
11 our harvest management practices. As you've already heard,
12 hatchery fish can have serious negative effects on the
13 genetic integrity of wild salmon. The abundant numbers of
14 hatchery fish mixed in with the fewer numbers of wild fish
15 in the ocean and rivers can also cause serious impacts to
16 wild fish.

17 This is due to the fact that we harvest too many
18 of the wild fish in order to catch the hatchery fish. In
19 either case, harvest management can help to eliminate or at
20 least significantly reduce the negative effects of hatchery
21 fish on wild fish. Some suggestions for making harvest more
22 compatible with salmon recovery: first, continue the public

1 discussion on the role of harvest in salmon recovery.

2 We need the decision makers at the highest level
3 involved in leading such an effort. If we're going to have
4 the public support for habitat protection enhancement,
5 they'll have to have a much better understanding of the role
6 of harvest in salmon recovery.

7 Two, mark all of our hatchery fish so they can be
8 readily distinguished from wild fish. This plan has been
9 made by many scientists, and as you pointed out, by the
10 HSRG, and most recently by the National Marine Fisheries
11 Service and its new June 2005 hatchery listing policy.

12 Three, aggressively implement selected fishing
13 techniques in order to harvest hatchery fish in all
14 fisheries that have the potential to impact wild fish. And
15 frankly, this is not being done at this time at the level it
16 probably should be.

17 Four, educate the public and decision makers about
18 the economic value of the harvest of salmon, tribal,
19 commercial, and recreational. The harvest of salmon is one
20 of the few instances where the public can readily see the
21 economic return on the money it spends to protect and manage
22 this wonderful fish.

1 Five, educate the public about the interaction of
2 harvest escapement goals and habitat with regard to salmon
3 recovery. This interaction is very complex, but it is
4 understandable by the general public. We can no longer
5 leave it only to fisheries managers and special interest to
6 make decisions about the role of harvest and habitat in
7 salmon recovery.

8 Let me close by saying that you have started a
9 very important and long overdue public discussion about
10 salmon harvest. If history offers us any insight, I believe
11 we'll take your continuing involvement to ensure this
12 discussion continues. For those of us who can't imagine
13 living in this region without wild salmon and salmon
14 fishing, I urge you to keep this effort going.

15 MR. DICKS: Thank you very much. And our clean up
16 hitter today is going to be Svend Brandt-Erichsen. He is --
17 he joined the Heller Ehrman, the law firm in 1993, but
18 before that he was the former Legislative Director to the
19 Senator, Ted Stevens. And I must tell you that Senator
20 Stevens has been one of our greatest advocates in the region
21 for salmon, and also has been a great friend of our area.

22 And it isn't just a coincidence that the most

1 significant legislation in dealing with these fisheries is
2 the Magnuson Stevens Act. And Senator Stevens now has
3 become chairman of the Congress Committee which has
4 jurisdiction over all these matters. So he'll be playing a
5 very influential role. So Svend, we're glad to have you
6 here representing Salmon Spawning and Recovery Alliance and
7 you got your five minutes.

8 MR. BRANDT-ERICHSEN: Thank you, Congressmen.
9 And I am here --

10 MR. DICKS: And pull up the mic, please.

11 MR. BRANDT-ERICHSEN: Yes. I am here on behalf
12 of the Salmon Spawning and Recovery Alliance. Our
13 organization is focused on what is necessary to recover the
14 salmon and steelhead in our region. Because pacific salmon
15 return -- they reproduce only once and then they die,
16 recovery ultimately will be measured in our region by the
17 number of spawning pairs that return to our rivers
18 successfully.

19 And so we have to keep our eye, when we're talking
20 about recovery, we have to keep our eye on how many fish are
21 getting back into our rivers. You've heard today from a
22 number of folks who represent different fishing sectors --

1 MR. DICKS: Pull them a little closer, they're
2 going to have a --

3 MR. BRANDT-ERICHSEN: Okay.

4 MR. DICKS: Are you hearing him back there? Okay.

5 MR. BRANDT-ERICHSEN: -- and from harvest
6 managers. One number you -- you heard a number of numbers
7 thrown around as far as what the harvest rates are. One
8 thing that we have to focus on, when we're evaluating the
9 ESA issues and the recovery of the listed stocks is, what's
10 the total take of the combined harvest of all the fisheries
11 at Alaska, Canada, Washington-Oregon-coastal and in-river
12 Columbia for the Columbia stocks and in Puget Sound, for the
13 Puget Sound stocks, what's the combined effect of those --
14 those very -- you know, varied and several fisheries on the
15 populations.

16 Now there have been significant reductions from
17 historic harvest rates. But those historic harvest rates in
18 the late 80s and 90s, early 90s were very high on some
19 stocks ranging from 60 to 90 percent. Today, Snake River
20 fall chinook have been -- in recent years the combined
21 harvest rate is about 45 percent with an authorized rate up
22 to 55 percent.

1 Lower Columbia chinook, toolys and brights are
2 harvested in the 50 percent range. Puget Sound chinook are
3 harvested in -- it depends on the river, 22 to 76 percent.
4 Now these numbers vary from year to year, but the fact
5 remains that there is substantial harvest occurring on these
6 listed populations. Now to give you an indication, for
7 example, with the Snake River fall chinook of how that
8 divides out.

9 The Canadian Fisheries take about 11-1/2 percent
10 of the returning Snake River fall chinook, southeast Alaska
11 about 3 percent, Washington-Oregon-coast about 7-1/2
12 percent, and the in-river Fisheries in the Columbia about 22
13 percent. I can't give you the breakdown on the individual
14 fishery, the individual rivers in Puget Sound, but that
15 information is readily available. I just don't want to take
16 the time to do it right now.

17 Now the difficulty is that there are some
18 differences in the way that harvest is being managed
19 compared to the way habitat recovery is being planned in the
20 region. The impact of harvest is not being fully integrated
21 to recovery planning for fish both in the Columbia and in
22 Puget Sound. Now there was some discussion about this. Pam

1 Bissonnete from King County talked about some conflicts
2 between the recovery targets used in Puget Sound.

3 This is an area where the differences are easiest
4 to see, because the recovery planning process is furthest
5 along in Puget Sound. I've given you a table which I
6 compiled, showing in the first three columns, the numbers
7 used by NOAA in evaluating the harvest management plan in
8 Puget Sound. The fourth column is the upper management
9 threshold actually appearing in that harvest management
10 plan, and the last three columns the numbers used in
11 planning ranges in the shared strategy process and also the
12 TRT's recommended abundance range.

13 The point I'd ask you particularly to focus on the
14 NMFS derived viable threshold number which you will see a
15 substantially lower than the abundance targets for the
16 planning process on the -- for the shared strategy process.
17 The implication of that is that NOAA has identified for
18 harvest purposes that populations may be viable they say
19 based on current habitat conditions, there is no basis in
20 ESA to say that a population is viable for one purpose and
21 not viable for all ESA recovery purposes.

22 This distinction is unsupported. There are

1 similar problems in the way that the Columbia in-river
2 stocks -- the Columbia stocks have been affected. The
3 result of our analysis of this -- in essence, our objective
4 in the efforts that I'm going to describe is to encourage
5 steps to incorporate harvest issues into the recovery
6 planning process and to actually address the harvest issues
7 along with the other issues in the region as we're planning
8 for salmon recovery.

9 We have taken a couple of steps, a couple of
10 initial steps, we've evaluated the biological opinions that
11 have been produced for the Pacific Salmon Treaty that
12 affects the Canadian Fisheries in particular for the Puget
13 Sound Fishery and for the Columbia In-river Fishery.

14 We also have sent out a notice to Customs and to
15 Fish and Wildlife Service, which is responsible for
16 enforcing the ESA restrictions on import of listed animals,
17 indicating our intent to sue -- and there was a comment
18 earlier that a suit had actually been filed. We actually
19 have not filed a suit; we have to wait 60 days from having
20 given notice before we can file a suit.

21 And we have not made a final decision to actually
22 file the suit, but I expect that there is a good chance we

1 will. And the purpose of pursuing that suit and other
2 actions is to try to force the agency, force NOAA and
3 through NOAA the other agencies involved with this, to
4 recognize the limitations on the resource the importance
5 that harvest plays in the overall recovery planning process.

6 Now I'm sure you have a number of questions or you
7 may have some questions about some of the actions that we're
8 pursuing. I'll be glad to respond to those.

9 MR. DICKS: Good. Have you any indication from
10 the Canadians, what their reaction to this lawsuit is?

11 MR. BRANDT-ERICHSEN: No, we have not. We did
12 receive a -- an initial response from the U.S. Customs
13 Service, which was, "Thank you for contacting us, we've
14 investigated the question, and we want to tell you that NOAA
15 regulates salmon, and we've forwarded your letter to NOAA to
16 see if they have any comments for you." And of course,
17 Customs is directly charged with enforcing this at the
18 border and actually due to the way the statues are set up.
19 Fish and Wildlife Service is also charged with the border
20 enforcement issues on the ESA.

21 MR. DICKS: Now you've been around a long time.
22 You know, the question I asked Bob Lohn yesterday was, you

1 know, where is it in the Endangered Species Act that allows
2 you to take these wild fish?

3 And I don't think he could answer that very
4 effectively. I mean, what we are basically doing is
5 saying, "Well, there is excess fish, that's incidental
6 take." But I think those -- I think that all those
7 arguments are quite spurious. What is your -- what is
8 your view of the ESA issue here?

9 SPEAKER: Well, the way that the Act is set up
10 and the way it has been applied to salmon, most of the
11 runs we are dealing with are threatened, not endangered,
12 and the NOAA has adopted regulations extending the
13 protections for endangered species to the threatened
14 species. So the same prohibitions on take, on import, on
15 sale of listed fish apply to the salmon as if they were
16 endangered. There have been incidental take permits
17 issued for essentially all of the fisheries.

18 I would point out -- I should have mentioned the
19 Magnuson Act. You asked about the Magnuson-Stevens Act
20 and its effect. The Pacific Salmon Commission -- I mean,
21 the Magnuson-Stevens Act body for the Pacific fisheries
22 has responsibility for identifying what an over fished

1 stock is. And they have done that for salmon and what
2 they've done is, say, they've excluded from the definition
3 of over fished any ESA listed stocks. So in essence,
4 they've excluded the application of the over fished
5 criteria of the Magnuson-Stevens Act to the ESA listed
6 salmon.

7 Now for the -- under the biological opinions
8 that have been issued for the various fisheries in Puget
9 Sound and in the rivers in the Columbia and for the
10 Pacific Salmon Treaty, in essence, what the Agency has
11 done is they -- the level of take that is occurring is not
12 going to interfere with recovery or is not going to push
13 these species out of existence as a whole.

14 Now, there are problems with how they've done
15 the analysis. There are inconsistencies with the way that
16 they've applied the analysis to other sectors. And, you
17 know, specific examples we've talked about a little bit,
18 some of the rivers in Puget Sound -- basically what the
19 biological opinions says for Puget Sound fisheries is that
20 some of the harvest rates are going to be too high for the
21 populations to rebuild to even these lower recovery
22 numbers and so those populations are not expected to go

1 extinct, but they are not expected to improve under
2 current harvest plans over the next 25 to 40 years.

3 SPEAKER: All right. Thank you very much. Mr.
4 Smith, you were Chairman of the Pacific Salmon Commission
5 and you heard the discussion earlier this morning about
6 the impact of the trawl fishery on endangered U.S. Chinook
7 salmon, and we were discussing if we are going to have
8 negotiations with the new location (T1S1 28.15) start on
9 this. But based on your experience, isn't it also --
10 isn't it also going to be necessary for the United States
11 to help Canada on some of the species that it is concerned
12 about in terms of protecting those fish as well if there
13 is any change to get an agreement? Could you give us your
14 view on that?

15 MR. SMITCH: Well, Congressman, that is right.
16 The United States side has a very difficult task getting
17 ourselves together because we have Alaska, the two lower
18 states in the tribes, and that all has to be unified in
19 order to sit down with the Canadians. The fact of the
20 matter is that the Alaskan fishery, I think Pat's here, he
21 can check me on this, or Larry, but I think the Alaska
22 fishery in Southeast Alaska catches about -- 95 percent of

1 the Chinook they catch are not Alaskan fish. So they
2 belong either to Canada or us.

3 And so what the Canadians push for, for example,
4 on Chinook is defer -- to back off on that harvest and
5 then they would back off on our harvest. And so as Larry
6 said, everybody wants the other person to back off on
7 their harvest. So that is a very difficult issue and it
8 will also have to be on the table when we deal with the
9 Canadian issue off the west coast of Vancouver Island. So
10 I think it is important to recognize that -- that the U.S.
11 side of this is a difficult place to arrive at. We will
12 have to work through that, but it is absolutely crucial
13 and the Canadians will insist that we do.

14 SPEAKER: Based on -- I mean, when will these
15 negotiations start? Do you have any idea?

16 MR. SMITCH: I think the treaty is up in '08.
17 Yes, and so my guess is Larry and others will be starting
18 the groundwork on that probably soon and certainly in '07
19 and be ready to engage formally in it sometime after it
20 expires in '08. So it is very soon.

21 SPEAKER: Congressman Walde?

22 MR. WALDEN: Curt Isaac (phonetic T1S1 30.32), I

1 have a question. Who is the market for the fish the
2 Canadians catch? Do they pretty much consume everything
3 they catch or are we part of the market?

4 MR. ISSAC: Well, it is a regional market.
5 Certainly, they land fish in Washington, as the Alaskans
6 do. Maybe Pete could say this better, but I think of the
7 fish landed in Washington State for consumption, only 5
8 percent are from Washington, Oregon. So a majority of
9 those come from Canada and Alaska on the commercial side.

10 MR. WALDEN: So I would think we could exert
11 some market pressures, couldn't we, to help in the
12 negotiations somehow?

13 MR. ISSAC: Yes, I never got into that area of
14 fish management of how you would --

15 MR. WALDEN: I'm not sure how you do that
16 either, but, you know, it is clearly they have a problem.
17 Svend, I want to go back to this issue because we heard in
18 testimony yesterday from one of our witnesses that, you
19 know, the fish harvest -- there was no over-harvest of
20 stocks in the ocean under Magnuson-Stevens, which on the
21 face of it, I guess, is true. But what was not said and
22 that's where the name of full disclosure is, ESA listed

1 stocks are excluded, is that what you just said?

2 MR. ISSAC: That is my understanding. We looked
3 at the potential. There was a nine circuit case (T1S1
4 32.09) about two weeks ago on the rockfish, which said
5 that NOAA had to develop a recovery plan for the rockfish
6 under Magnuson-Stevens in an accelerated pace because it
7 was overfished. And so we looked at that to see whether
8 or not it would apply to the salmon, and working our way
9 through it, figured out that the way that the fish are
10 managed under that Act, they point to the ESA and say
11 they'll be conserved under the ESA.

12 MR. WALDEN: In doing what, I'm sorry?

13 MR. ISSAC: They point -- the fishery management
14 council points to the ESA and says the salmon will be
15 managed. The listed runs and the hatchery runs are both
16 excluded from their overfished criteria.

17 MR. WALDEN: So they can set the harvest limits
18 in the ocean irrespective of the ESA and its requirements?

19 MR. ISSAC: No, the ESA still applies. They are
20 relying on the ESA and someone else maybe can correct me,
21 but they are relying on the ESA to set those limits.

22 MR. WALDEN: All right.

1 SPEAKER: Bill (phonetic T1S1 33.09), do you
2 have a comment? Why don't you talk into a microphone so
3 everybody can hear you. You have a mike there.

4 MR. FRANK: I represent the state of Washington
5 on Pacific Fishery Management Council and I have been on
6 the council for almost 18 years --

7 SPEAKER: Well, pull it up. You have to be like
8 an initial wave --

9 MR. FRANK: Okay, sorry. I'll get there. What
10 we've -- when the Magnuson was reauthorized in 1996 by the
11 Congress, there was a prohibition against fishing on
12 overfished stocks and Peter Dygert might want to help me
13 with this, but the national standards were developed by
14 National Marine Fishery Service, which set forth the
15 definition for what an overfished stock is.

16 SPEAKER: All right.

17 MR. FRANK: For ground fish, it is a stock that
18 has 25 percent or less of the virgin biomass is determined
19 to be an overfished stock and we, under that -- under the
20 national standards, have to develop a rebuilding plan,
21 which we do. For salmon, the definition of being
22 overfished is a stock that does not meet its escapement

1 goal for three years in a row and there are actions that
2 are prescribed in the salmon framework management plan
3 that is adopted under the Pacific Council, actions that
4 have to be taken if that occurs -- or if that occurs.

5 Now, in our -- we have -- in that plan, we have
6 a table that lays all of the various stocks that are taken
7 in some -- to some degree in ocean fisheries and the ones
8 that are listed under the Endangered Species Act, the
9 amount of harvest that can occur has to be coordinated
10 with inside fisheries and cannot exceed whatever the
11 limitation is under that's prescribed by NOAA fisheries
12 for that stock.

13 SPEAKER: Is that an incidental take permit --
14 is that an incidental take permit?

15 MR. FRANK: In the case of Snake River Fall
16 Chinook, we have two different consultations. One is for
17 ocean fisheries and one is for fisheries that occur in the
18 Columbia River. So I don't -- I wouldn't want to leave
19 Congressman with the impression that the Pacific Council
20 simply says, "Well those are ESA listed, they are going to
21 take care of the inside fisheries, we don't have to worry
22 about them." That is not true.

1 We have a coordinated process that we adopt
2 ocean regulations in concert with the fisheries that are
3 allowed in inside waters and the combination of the
4 impacts of those fisheries do not exceed any ESA limits a
5 listed stock.

6 SPEAKER: Svend?

7 MR. BRANDT-ERICHSEN: I didn't want to give the
8 -- I didn't want to give the impression or I did not mean
9 to give the impression that the Pacific salmon -- the
10 Pacific Fishery Management Council doesn't address the ESA
11 listed populations. What I was -- the point I was making
12 was that they were relying on the ESA incidental take
13 permit thresholds that -- basically the thresholds are
14 identified through the consultation process, it comes out
15 of -- it is addressed in the biological opinions to set
16 their upper thresholds and that is coordinated between the
17 in-river fisheries, the Canadian fisheries.

18 SPEAKER: And the ocean.

19 MR. BRANDT-ERICHSEN: But in essence, you know,
20 what we'd ask -- what I'd you to focus on is what is the
21 combined effect of all this fish -- all these fisheries,
22 on the fish populations and in fact, could we lower those

1 combined effects and move the fish towards recovery faster
2 by doing things like relying on marked selective
3 fisheries.

4 SPEAKER: All right. I've got just one other --
5 other question here. I wanted to ask you to figure out
6 who it was, I was going to ask you that. And it -- it
7 dealt with the openness of the process and the question
8 was that these decisions should be made more in open and,
9 you know, I think that it is correct. And I fact, here it
10 is. Yes, you talked about the recovery of the salmon.
11 Your lessons learned of the recovery of salmon should be a
12 public decision and you go on talking about that.

13 Can you explain how the harvest levels are set
14 then as part of a public process given the court case of
15 United States v. Oregon, because that is not much of a
16 public process, is it?

17 MR. BRANDT-ERICHSEN: No, that is definitely not
18 a public process.

19 SPEAKER: Can you just -- and get closer to the
20 mike so I can hear you. But how has that come up against
21 what you are suggesting? Tell me how that process works
22 in U.S. v. Oregon.

1 MR. BRANDT-ERICHSEN: U.S. v. Oregon and U.S. v.
2 Washington are -- govern really the allocation of harvest
3 between the non-Indian fishing -- fisheries and the tribal
4 fisheries, and that will continue and that should
5 continue. But that is really an allocation of the
6 harvestable fish.

7 SPEAKER: Is that non-ESA related stocks?

8 MR. BRANDT-ERICHSEN: No, they also take into
9 account ESA stocks. However, those forms are really about
10 setting harvest limits and allocating those 50-50, if you
11 will, between the fisheries. Those -- to some extent, the
12 numbers that they would use for harvest are determined
13 outside that forum.

14 SPEAKER: Okay. So then --

15 MR. BRANDT-ERICHSEN: Okay. In other words, you

16 --

17 SPEAKER: -- they are given a number and then
18 within that --

19 MR. BRANDT-ERICHSEN: Right.

20 SPEAKER: -- forum, they decide --

21 MR. BRANDT-ERICHSEN: -- which would be from the
22 Pacific Fisheries Management Council, Pacific Salmon

1 Commission, the state and tribal and Federal biologist
2 would bring that information in there and say that, you
3 know, this is what -- this is what you have to work with,
4 now you --

5 SPEAKER: Why wouldn't that be a more public
6 process? What is the advantage keeping it non-public?

7 MR. BRANDT-ERICHSEN: Well --

8 SPEAKER: Other than the judge says that is the
9 way it is going to be.

10 MR. BRANDT-ERICHSEN: Yes, I don't know,
11 Congressman, how you would open a court order and managed
12 process. This is a concern you have on the river, which
13 Judge Redden runs the process. I mean, that is kind of
14 what people are worried about. That is actually a process
15 that has been established by the courts with the co-
16 managers and the sovereigns.

17 I don't see them changing that and what I was
18 really trying to get to is I don't think we necessarily
19 want to get into the harvest allocation between tribal and
20 non-tribal, which occurs in that forum, but the notion of
21 where harvest relates to habitat protection and salmon
22 recovery is a forum that can't be managed by the

1 governments in a way that -- I think it needs to be more
2 transparent.

3 My experience at the -- when I was with the
4 salmon recovery office is, it is hard to get people to
5 pass critical area ordinances and set in-stream flows if
6 they don't quite understand how the other piece works.
7 Now -- and they've often been told that it is under
8 control, it is too complex, et cetera, and to some extent,
9 it isn't under their control. It is under the control of
10 the governments to set those harvest targets, both by
11 court order and by their direction under statute.

12 However -- and I think we are sensing this in
13 the region now that when the cost gets to high that you
14 are really starting to have people finally look at salmon
15 management, which is what you folks really to me
16 represent, is a level of concern. Then I am saying we
17 have an opportunity here now to open that process up and
18 more (T1S1 42.17) because at the end of the day, if we do
19 not do that, then I am concerned as someone who doesn't
20 want to see the salmon continue and want to keep salmon
21 fishing, that people will, for example, reject King
22 County's critical area works (t1s1 42.31) as we are not

1 going to do it until the other guy does it. We don't want
2 to get into that position. I won't move until the other
3 person. So that is what it means.

4 SPEAKER: And clearly where there is a
5 disagreement among targets and a lack of clarity and some
6 things done in court room sort of enclosed from the
7 public, I think, begins to feel that way, that they are
8 left out of the process, being asked to make a sacrifice
9 either in higher energy costs or must use their land or
10 their way of life and for what good. And that is why I've
11 been asking the questions I have and I appreciate your
12 answers and others. I --

13 MR. BRANDT-ERICHSEN: And let me say,
14 Congressman, on behalf of the -- of those who have the
15 very difficult job of doing the harvest management, I
16 think what you are hearing from them is if we play
17 through, they are going to show that they are doing a --
18 for the most part, a responsible job. But right now, that
19 credibility with people who are uninformed about this
20 process, needs to be raised to another level, in my
21 opinion.

22 SPEAKER: And there is still the underlying

1 issue that nags at me and a lot of people I represent
2 which is how is it helpful to restore a wild run salmon or
3 any other species when we allow it to be harvested and
4 when we allow 48 to 50 percent of the wild run to be
5 harvested and then call that incidental. It is just a
6 hard thing for us -- some of us to understand, but we are
7 trying.

8 MR. BRANDT-ERICHSEN: Well, one of the things I
9 learned with the -- when I was with the Fish and Wildlife
10 Service in administering Endangered Species Act is you do
11 have to be careful to apply the biological criteria to
12 each species and fundamental to this debate or this
13 concern that you are articulating is that the salmon
14 managers believe they can treat salmon differently as a
15 species than, say, spot it out. But that is a debate that
16 people like yourselves and others are going to have to get
17 a lot more sophisticated about it, comfortable with,
18 because it initially strikes you as inconsistent with the
19 purposes of the Act.

20 SPEAKER: Well, how does it strike you? You are
21 the -- you are the guy who was there. I mean, you've
22 looked at the Endangered Species Act for a long period of

1 time. I mean, give us your best take on this?

2 MR. BRANDT-ERICHSEN: I -- I believe that salmon
3 can have some level of harvest wild runs and sustain
4 themselves, and I think, however, as somebody said here
5 earlier, I think the way the process is set up now, we
6 often do not -- we are not conservative enough on some of
7 these escapement goals and we need to take a look at that.
8 But I'm not in the camp that says you can never harvest
9 wild fish, Norm. I do believe that they can handle that.

10 It is just that when we have all these other
11 factors influencing it, we have to understand it, and I
12 think that is what is Svend and others were saying, is how
13 do these different parts interact together so we have a
14 much clearer understanding of when harvest is okay and
15 when it is not. But you can still have harvest. But we
16 are coming out of an era -- you heard the numbers today
17 when we harvested at way too higher rates. We are
18 transitioning into a new era and frankly, we need
19 additional information and a fresh look at that.

20 I mean, I am troubled, I think as Congressman
21 Baird signaled here this morning, about the notion that
22 extra fish are wasted somehow or they are not being fully

1 utilized. I think, intuitively, people react to that as a
2 very simple -- simplistic, if you will, model of a very
3 complex ecosystem. You know, we do see strengths (t1s1
4 46.27) in Alaska, for example, that are shoulder-to-
5 shoulder with fish and they seem to do okay.

6 If your goal was harvest in there, then maybe
7 that's in a -- you can have a different opinion, but that
8 is a discussion that really needs to be teed up and get
9 the public's confidence upon.

10 SPEAKER: Congressman Baird, I just want to
11 follow up on that -- on that theme and -- I'm looking at
12 the chart that -- that has been provided to us here and --
13 so the kind of numbers I alluded to earlier, I just am
14 shocked -- I just -- incredulous, actually, it's beyond
15 shock that -- that there's a belief that the entire
16 Nooksack River can sustain 200 fish.

17 I don't pretend to be a biologist. I spend a
18 fair bit of time in rivers, but -- there are rivers that
19 you walk across the fish. The healthiest rivers in
20 Alaska, in Canada, you can -- you know, when the runs are
21 thick you can walk across them, and this premise that the
22 entire Nooksack drainage can handle, if I read this right,

1 200 fish is --

2 MR. BEARDSLEE: Congressman, can I -- can I
3 comment on that?

4 SPEAKER: Please.

5 MR. BEARDSLEE: If you look at the top column,
6 NMFS-derived viable threshold for -- the Nooksack was 500
7 fish, according to NYMPHS if -- based on current habitat
8 conditions, 500 fish coming back into the two rivers
9 combined would be a viable population, meaning sustainable
10 population. And that's -- that concept, that is not
11 consistent with the way that viable fish population
12 concept has been applied in other contexts.

13 The harvest managers identified a population of
14 2000 fish as an upper management threshold. My
15 understanding is that that also is based on an assessment
16 of current habitat conditions. If so -- if that is based
17 on current habitat conditions, you'd think the fish would
18 be moving toward that number.

19 This is a particularly troubling population
20 because a substantial harvest occurs in Canada.
21 The harvest rate that this particular group of fish can
22 sustain, according to the agencies and, you know, I'm not

1 a biologist, I can only go on what is in their reports.
2 NMFS said that this population could sustain about a 12
3 percent harvest rate and continue to move toward a
4 recovery number. The current harvest rate is about double
5 that with about 17 percent occurring in Canada and seven
6 percent or less -- six percent or less occurring in Puget
7 Sound. That is a -- that particular river population is a
8 sore spot or should be a sore spot in the next
9 negotiation, it was in the last in the last negotiation.

10 That is probably the toughest case, but there
11 are other -- essentially, all of the northern Puget Sound
12 populations are affected by a combination of the Canadian
13 and U.S. harvests, and you'll see that same problem there.

14 SPEAKER: Ramon and Steve, we heard yesterday
15 from Gary Lomez of Fish First, which you may be aware of -
16 - has been tremendously successful as a volunteer
17 organization of -- largely sport fishermen. In their
18 habitat restoration areas, they've taken creeks or
19 ~~basically hardpan bottom and these sorts of habitat and~~
20 going from, I think it was -- I heard, yesterday, if I
21 remember correctly, 32 returning pairs to 3000 pairs in a
22 relatively short order on a drainage -- on a creek that is

1 much smaller than the Nooksack River. And their assertion
2 is that the more fish that come back, the more fish can
3 come back -- because of the aforementioned nutrient issue,
4 but also the -- in the process of creating the redds, they
5 stir up the gravel, keep things moving, and that improves
6 the habitat.

7 Have you any insights from your experience or
8 knowledge about this issue in the context of these, what I
9 think are fairly low numbers?

10 MR. SANDE: Well, it is, as you've pointed out,
11 it is true that the input of marine-derived nutrients from
12 returning salmon is and it has been shown to be an
13 important factor in the capacity of available habitats as
14 well as the ecological interactions of spawning and
15 rearing salmon in their habitats. One can -- I've heard
16 it put, that salmon essentially are their habitat. That
17 is one of the issues, I think, is -- as Kurt just alluded
18 to that is not -- does not seem to be captured in this
19 formulation of current habitat capacity and its ability to
20 support increased escapement of salmon.

21 And again, as I mentioned in my testimony, one
22 of the concerns that Washington Trout has is that this

1 issue about habitat capacity and its -- the estimates of
2 the productivity of the existing habitat is dominated by a
3 high degree of uncertainty. That the -- the estimates,
4 the proofs that harvest managers use to support this
5 assertion are based on a small amount of data and don't
6 really reflect what might be necessary to prove that
7 assertion.

8 SPEAKER: My inclination would be to let more
9 fish pass and let the fish sort it out, and evolution
10 would have a way to deal with that. My just -- gut
11 experience is that I think we'd have a pretty -- it'd make
12 more sense to me to try it, plus, I just -- as I mentioned
13 earlier, I think you're in a tight margin when you're
14 talking about just a couple of hundred fish. It just
15 seems like a -- all kinds of things could happen to a
16 couple of hundred fish. Let me raise one other question.
17 Are there dams on the Nooksack River?

18 SPEAKER: There are several branches to the
19 Nooksack. I don't know the -- I can't remember the
20 specifics. The central Nooksack does have a weir that
21 blocks off passage. It's not a very long --

22 SPEAKER: How far off is it?

1 SPEAKER: You know, I don't know the specifics.

2 SPEAKER: Anyway, what I'm getting to, and I
3 don't have to pursue that. The reason I'm asking maybe
4 some -- how far off is that? What I'm getting at here is,
5 okay, what I'm getting at here blocks all of it?

6 SPEAKER: For the central port, north and south
7 port do not.

8 SPEAKER: Okay. But what I'm getting at here is
9 we're -- not all of the rivers that we have been
10 discussing today here in the context of the Puget Sound
11 are obstructed by dams of the scale of Bonneville et
12 cetera et cetera. So yesterday we were down on the
13 Columbia River System where some of us asserted that the
14 predominant, almost sole obstacle to fish recovery are
15 dams. Then we are up in a different ecosystem here that
16 are not blocked by dams.

17 I don't think anybody pretended the dams don't
18 have an impact, but to try to assert that we needed to get
19 the solution. Yesterday Larry Cassidy said there is no
20 silver bullet. Some of us asserted that the silver bullet
21 is tearing out the dams. If that's a silver bullet, help
22 me understand how rivers that don't have dams are also

1 having salmon recovery problems.

2 I don't follow the logic there. And it would
3 seem to me if that's the -- if you got some rivers that
4 are also seeing lower numbers of fish without the same
5 kind of dam structures, it would seem to me, you might
6 want to look for third causes or other causes. And it
7 would seem to me apropos of our discussion today that
8 maybe harvest levels, obviously ocean conditions et cetera
9 have something to do with it. But that harvest might be
10 one of the variables we would look at. That's sort of
11 where I was going with that. Is it --

12 MR. DYGERT: I'm trying to get a sound check
13 here again. I'm Peter Dygert with NOAA Fisheries. And I
14 thought maybe I can take another round at addressing some
15 of the apparent discrepancies that have been alluded to
16 here.

17 SPEAKER: Let me be -- precede Peter. At some
18 point, one of the things we will be asking after today is,
19 can you give us some empirical studies of rivers
20 comparable to the rivers listed here wherein we have seen
21 a problem of overabundant fisheries, or overabundant
22 escapement causing an actual decline in numbers versus an

1 increase in numbers.

2 In other words, some empirical data where we
3 have got a river of somewhat similar characteristic to the
4 ones here where we have seen too many fish subsequently
5 suppress the numbers relative to too few fish. I would
6 sure like to see a study of that.

7 MR. DYGERT: All right. I'll make a note of
8 that. And let me comment to some degree in relation to
9 the Nooksack, that's a good -- there is a case in point
10 there. We -- the commentary here notes the distinction
11 between the recovery -- TRT recovery objectives and those
12 at our -- in our current harvest plan.

13 And that we have noted that in our harvest plan
14 that 500 fish is an appropriate level of escapement given
15 the available habitat. We have not concluded that that is
16 sort of the endpoint and satisfactory for recovery.
17 Again, we would argue that that's a -- consistent with the
18 current productivity of the habitat and that once as
19 habitat improves, it should move in the direction of
20 higher escapement, higher escapement goals.

21 Now in addition to we would also not discourage
22 additional escapement to the whole systems. In fact the

1 exploitation rate management is designed to allow
2 additional fish to escape.

3 In the Nooksack, in addition to the natural
4 origin fish, which have returned on the order of two or
5 three or four hundred fish in recent years, there have
6 been an average of about 400 hundred, about 4000 hatchery-
7 origin fish to the northward Nooksack, which are part of
8 the supplementation program that we also rely on to
9 support the continued viability of that stock in the
10 interim while we achieve further recovery.

11 But the fact that we see several thousand fish
12 on the spawning grounds and yet the returns from those
13 fish are still on the order of a few hundred is evidence
14 to us that more escapement in itself is not the solution
15 or the remedy to providing --

16 SPEAKER: Isn't that total logical?

17 MR. DYGERT: To build the rocks.

18 SPEAKER: Isn't that total logical? I mean
19 you're saying that we get several thousand fish spawning
20 and yet they don't get back up there. Therefore, more
21 spawning fish doesn't mean more fish get back up. That's
22 the essence of our discussion here today. They surely

1 can't get up if you are killing them before they get up
2 there.

3 MR. DYGERT: Well, the fact, and most of those
4 fish that are coming back are fish that are coming from a
5 hatchery program. And so, you know, despite whatever
6 harvest they may be subjected to that number of fish does
7 escape and spawn naturally.

8 The question here is -- recovery criteria are
9 not just about abundance. They are also about
10 productivity, the sort of criteria from the scientists
11 that direct, that provide advice on what it is, what are
12 necessary, tell us that productivity is equally important
13 to abundance as a criteria for --

14 SPEAKER: But I'll just dispute, as I heard your
15 definition of productivity, productivity is not being
16 defined as number of fishes spawned and the resulting
17 hatch from that, but number of fish you return on. Again,
18 I find that as sort of total logical, your defining your
19 outcome as if the intervening factors didn't exist. And I
20 don't understand that.

21 Maybe in addition to maybe getting me some
22 empirical studies of rivers like the Nooksack where you

1 have seen an excessive return of fish suppress the
2 productivity. If you could also give me and my colleagues
3 here -- I'm assuming that you have done an analysis of the
4 Nooksack drainage and looked and said, "Okay, here is a
5 corner where we have got a nice gravel bar that ought to
6 be suitable for spawning and that will sustain let's say,
7 a 100 reds.

8 And then here is another corner where we have
9 got that, and here is a little side stream where they can
10 go to mature et cetera. I'm assuming that you have done
11 that kind of inventory, and somewhere on there you have
12 got a little analysis that says, "We think this area could
13 sustain this many reds. This area could sustain this
14 many." Can you get us that just so -- so I can get a
15 better flavor of where these numbers of 500 derive from?

16 MR. DYGERT: I can provide the estimates of
17 where the number 500 came from and we'll rely on the state
18 and other -- and tribal co-managers to help provide that
19 information.

20 SPEAKER: That would be helpful. Then I would
21 get some insight into the process that leads to this.

22 MR. DYGERT: You know, I guess I would just -- I

1 would emphasize a point of the time line in transition.
2 We are managing to current productivity levels. The
3 recovery goals, which I would remind, you know, it's
4 useful to remind us the recovery plan itself is not
5 complete.

6 It's been developing over the last few years.
7 And it's just now been presented to us as sort of a new
8 benchmark for management. And we embrace that and are
9 about to publish that as our guidance. And so we look to
10 manage fisheries and other activities consistent with a
11 developing recovery plan.

12 And I think we need to kind of keep in mind sort
13 of the evolving nature of the scientific information in
14 how management is, you know, trying to keep up with the
15 information as we move forward.

16 SPEAKER: Congressmen, if I could comment a
17 little bit on that. I think it's our understanding in
18 Washington Trout that those estimates of -- those numbers,
19 500 fish in the Nooksack are not based on specific
20 inventory of habitats within the Nooksack. But more I
21 think it's -- Peter just explained on the stock recruit
22 data that they are getting is, Peter explained that, you

1 know, we allow this many fish to spawn, we don't see an
2 improvement in recruits from allowing that increased
3 escapement ergo we must have reached habitat capacity.

4 One of the objections that Washington Trout has
5 to that reasoning is that it's based on a small amount of
6 data as I expressed in my testimony. To really test that
7 hypothesis you would need, you know, at least two salmon
8 generations to make sure that the signals that you were
9 getting were based on what you thought you were getting
10 from them.

11 There is all sorts of other issues that could
12 explain why you're not getting returns from increased
13 escapement that you might expect. And that it would need
14 to be -- you need data from, you know, much, essentially
15 much larger data sets than the conclusions that are being
16 drawn so far.

17 SPEAKER: I appreciate that. Thank you very
18 much.

19 SPEAKER: Especially, I think because you are
20 allowing the directed harvest on the fish over that
21 number, is that right?

22 SPEAKER: The -- actually, you know, to be

1 honest with you, I don't feel particularly qualified to
2 answer that particular question. It's at a technical
3 level beyond my expertise.

4 SPEAKER: The -- if you review the biological
5 opinion, NMFS' opinion is that a population is above the
6 viable threshold that they have identified could support a
7 directed harvest. The actual plan, harvest management
8 plan, that call them there, numbers above that level, they
9 would contemplate that population being able to support a
10 directed harvest.

11 SPEAKER: And so that's where we have the
12 problem, the issue about the ESA?

13 SPEAKER: That's right.

14 SPEAKER: Yes --

15 SPEAKER: Well, maybe I can just follow up
16 because you asked -- you were commenting about the data
17 sets and you need a longer data set to really be able to
18 evaluate what's going on. How long was this data set that
19 led to the 500 fish number?

20 SPEAKER: 1984, 20-year.

21 SPEAKER: Oh it's a 20-year data set? Okay, on
22 the river.

1 SPEAKER: Let me ask -- so, you are saying that
2 what's the maximum number of fish that were allowed to
3 escape during that time period?

4 SPEAKER: 4000 fish spawning in recent years on
5 the spawning ground.

6 SPEAKER: Well, we'll discuss it further. I'd
7 like to know some of the other variables that relate to
8 the returning numbers, I mean we earlier saw --

9 SPEAKER: We have a question back here. We have
10 a little time now.

11 SPEAKER: Part of this, which remain with this
12 discussion. During the Puget Sound Salmon Management
13 Plan, which is in effect from the early '80s about 19-20
14 years both recently superseded around '99, there were
15 nominal estimated maximum sustainable yield harvest rate
16 escapement goals that were not mapped for 18 out of 19
17 years. So even though best estimates based on stock-
18 recruit data such as existed with (inaudible T1S2 22.27)
19 as long as South Sound River and the Nooksack go on to
20 escape -- comments about the higher harvest rates and --
21 are consistent with that. So, the point is that if you
22 are going to pull habitat capacity even from the stock-

1 recruit perspective, I'll let this many adults spawn this
2 year, future years, how many of their children through
3 adults.

4 In the context of recovery, we'd like to use
5 several generations while trying to get them on the
6 statements whenever it is possible (inaudible 23.04) most
7 escapement goals to really evaluate whether the stock-
8 recruit relationship is changing as a result of habitat
9 recovery measures, harvesting habits which can change by
10 all of these experiments. So that's the concern. We
11 haven't seen that natural experiment, it has not really
12 been conducted in full backed capacity and even the
13 suspicion that it has been reduced in the last 10 years
14 because habitat --

15 SPEAKER: Let me put the context to that if I
16 might. I think that's where some of the public's
17 skepticism comes in. Certainly where some of my personal
18 skepticism comes in. If you are saying that we are
19 concluding that allowing more fish to return doesn't --
20 allowing more fish to spawn doesn't lead to more fish
21 returning, but we are harvesting enough fish that we don't
22 actually allow that -- those fish to return to test the

1 hypothesis. It creates a sort of a skepticism in the mind
2 of the public and in terms of this policymaker about if
3 we're going to manage the harvest and escapement in that
4 fashion, with that kind of reasoning what's -- how can we
5 feel confident about all the other multi-million dollar
6 mandates that we put on our society from farmers to
7 foresters to developers et cetera? And doesn't that cut
8 the margin pretty precisely?

9 SPEAKER: National Marine Fisheries and the
10 Department on Puget Sound Chinook Management Plan and
11 others that they seem to be using what (inaudible T1S2
12 24.50) characterizes a knife edge management plan that's
13 picking up numbers that is maybe more definite but there's
14 not a great deal of margin for error for meeting a minimum
15 statement or if you get some things wrong and the shift
16 that has been made to escape exploitation like management,
17 you've heard that -- the assertion which is a class-wise
18 disagreement that -- you knew that you have got to fix
19 this exploitation rate, you have a whole bunch of fish and
20 in terms of absolute numbers we are going to get in that
21 year, a whole bunch of escapement that we're -- it's a
22 statement in constant proportion.

1 SPEAKER: But it will be covering most of the
2 years or for one of those variable numbers and escapement
3 goal management which has him required, requires the
4 harvest rates be managed, that is the technique. So I
5 don't think it's fair to juxtapose escapement management
6 against exploitation, exploitation rates will throw all
7 the need -- the escapement goal but the enacted management
8 purpose is, if this is referred threshold that I
9 biologically believe is needed then maybe we can't go
10 fishing this year. Fish will only be enough to barely
11 meet that escapement goal, and I think that's (inaudible
12 TIS2 26.11) where a lot of people don't want to go.

13 SPEAKER: To put these numbers into little more
14 context too when you look at the Columbia river system, my
15 understanding is that the \$100 million, \$80 to \$100
16 million summer spill this year was designed to restore --
17 was in -- theoretically going to increase the return by
18 about 300 or 400 listed fish. So when we're around those
19 kind of margins down in the Columbia, \$100 million
20 expenditure for 400 fish and that's the maximum you are
21 talking about in one entire drainage, you just start
22 seeing the scale for what kind of cookie.

1 SPEAKER: Congressmen, could I draw one thread
2 together? Just -- you had some testimony earlier today
3 about increases in Reds and increases in populations of
4 the Snake River Fall Chinook following their reduction in
5 harvest of the Snake River Fall Chinook. Reduction took
6 effect about '96 and there was an increase in Reds and an
7 increase in population that followed. You asked about
8 what kind of conclusions you could draw from that and the
9 response that you got was you may see some effect from
10 reduction of the harvest but there is also the fact that
11 ocean conditions improve.

12 So, there the discounting of the effect of
13 reducing harvest, the benefits of reducing harvest is what
14 you heard in the testimony. I think you also have to
15 apply the same thinking where we see populations that may
16 have remained flat despite changes in harvest. You cannot
17 for the same reason say that harvest is not having an
18 effect on those populations.

19 SPEAKER: Well, sort of by definition, you would
20 think that you would have seen a proportionate increase
21 because the ocean conditions have improved for all the
22 fish presumably.

1 SPEAKER: Correct.

2 SPEAKER: And you would have seen -- you would
3 have thought you would have seen that manifest, for
4 example, in returning numbers of the Nooksack had not the
5 harvest numbers constrain that.

6 SPEAKER: And I don't want to say that habitat
7 is not important because habitat is important but the
8 point is that harvest is important too.

9 SPEAKER: Congressmen, if I could just make one
10 more -- I just want to know that your skepticism is shared
11 not just by the relatively uninformed public, but also
12 shared by NOAA's own scientific review group. We provided
13 each of you with a package that includes that report, and
14 I would encourage all of you to read it carefully.

15 SPEAKER: And you are saying that they still
16 have not implemented that?

17 SPEAKER: As far as we understand NOAA has yet
18 to address the criticisms expressed by the RSRP in that
19 2001 report.

20 SPEAKER: Can you explain that?

21 SPEAKER: I bet he is glad he is staying.

22 SPEAKER: Yes.

1 SPEAKER: Congressman Walden said, "I bet you
2 are really glad you are staying."

3 SPEAKER: Actually I can't explain it. You
4 know, I guess I would point -- the RSRP report provided a
5 review and comment on harvest. The recent ISEB, also an
6 independent science advisory board, also provided a recent
7 review and comment on harvest, and I would just recommend
8 that you look at them both.

9 SPEAKER: I have read it front to back.

10 SPEAKER: And we agree -- we think the ISEB
11 report was, you know, a very useful objective review of
12 harvest management and we concur with your conclusions and
13 recommendations.

14 SPEAKER: But their conclusions were that there
15 is a tremendous amount of ambiguity and uncertainty in
16 terms of what the harvest rates are because of our major,
17 and in terms of the impact of those harvest rates and they
18 called for a much improved scientific study to analyze
19 that.

20 SPEAKER: The --

21 SPEAKER: The reason I raised that is because if
22 you have that kind of ambiguity you have got a pretty

1 significant margin of error in your harvest estimate
2 rates. And when you are looking at 400 to 500 fish, we
3 are within margin of error.

4 SPEAKER: I'm glad that you brought that up.
5 That has come up a number of times in the last couple of
6 days, and I wouldn't -- the distinction -- the first
7 recommendation of the ISAB was it -- we looked more
8 carefully at the -- basically the level of detail in our
9 management and provide more specific scientific
10 information regarding that. And that was -- the context
11 of that was not, excuse me, was not so much that our
12 existing management is not providing adequate data. It is
13 that we would be better if we could provide more specific
14 data, more stock specific data as we manage our fisheries.

15 You recall Pete Bisson came up, Dr. Bisson came
16 up during the testimony and recognized that the states and
17 tribes are most -- are doing the doing the management,
18 they are cash strapped and the kinds of monitoring the --
19 and they are limited in the kinds of monitoring they are
20 able to do. What they would recommend is that we provide
21 better information on more specific -- better stock
22 specific information and that we manage accordingly.

1 They were not being critical about our -- about
2 the fact that we weren't doing existing data and we are
3 not being critical about at least to the same degree,
4 about the level of precision of existing management. I
5 would --

6 SPEAKER: I disagree with that. I think they
7 were not saying, you aren't using existing data, but I
8 think they were saying that the existing data are severely
9 limited and therefore --

10 SPEAKER: True.

11 SPEAKER: Confidence one can draw about
12 management decisions based on that existing data must be
13 modulated to a significant degree. That's how I read the
14 report, and that's what I heard yesterday in the
15 testimony.

16 SPEAKER: And I think it's a fair comment. We
17 do take the uncertainty into account. I would -- for
18 example, I would highlight the circumstance in the 2005
19 spring Chinook fishery. We thought there was a pre-season
20 forecast of 250,000 upriver spring Chinook in the Columbia
21 River. The -- the non-treaty fishery had a target harvest
22 rate of two percent, all in selected fisheries.

1 It turned out the run was a 100,000, a major
2 disappointment. The fisheries were managed in season, in
3 real time. Before every opening test fisheries were --
4 test boats were put out to see what the stock composition
5 of the fishery was, so that they knew when they put the
6 fishery on the water, how many fish they were going to
7 catch.

8 At the end of the day, despite a 60 percent
9 decrease in the overall abundance of fish, on anticipated
10 decline in abundance, the state fisheries and the tribal
11 fisheries too for that matter still met their harvest rate
12 objectives and didn't exceed a two percent harvest rate.
13 To my mind that is a good example of real time in season
14 management responsive to information, and despite very
15 significant changes and expectation system that is
16 flexible and responsive to, you know, to the
17 circumstances.

18 When I first came up here, the kind of question
19 in mind was how did we respond to the RSRP report. We did
20 complete a part of -- I don't recall the specific -- the
21 specifics of RSRP comments. But I know one of their
22 questions was a request for an explanation for how NOAA

1 Fisheries conducts harvest consultations and on harvest
2 activities. And we did complete that -- did complete a
3 report about a year ago that described how harvest is
4 reviewed.

5 And my understanding is that Bob Lohn provided
6 the Congressmen a copy of that report, and yet is designed
7 for, you know, to be publicly accessible. Don't -- try
8 not to lose the people in the sort of legal technicalities
9 of a really complex process. It provides some case
10 studies to help illustrate the difficulties and the range
11 of circumstances that we deal with including a discussion
12 of Puget Sound Chinook, Willamette River Spring Chinook
13 and Sacramento Winter Chinook as examples to --

14 SPEAKER: Can you -- can you make that available
15 to these folks, because from what I was hearing earlier,
16 they feel they haven't had a chance to access that.

17 SPEAKER: And I don't think it has been broadly
18 distributed. But we will -- I will try to see that it is
19 posted on our website and then people can access it
20 through that vehicle. So we have been responsive to that
21 request.

22 SPEAKER: Thank you.

1 SPEAKER: Okay. I want to thank the panel and I
2 want to thank all of you for coming. Any final comments,
3 Congressmen? I don't have any final comments except to
4 thank you and Congressman Baird for joining with me today.

5 SPEAKER: I might just like to make, if I might
6 --

7 SPEAKER: Yeah.

8 SPEAKER: When Norm and Greg and I began to
9 address this issue, the reactions ranged from "You don't
10 need to even address this because the agencies have it all
11 under control" to "This is the craziest thing you could
12 possibly do politically because it's political suicide to
13 talk about salmon, and you better just stay away from it."
14 We believe that we have a responsibility to all the
15 region, the people who use the salmon, the people who pay
16 the cost of trying to restore the salmon and we believe
17 that by working together we can improve what we are doing.

18 We believe we have a responsibility to
19 understand it first of all, because as you can tell from
20 the dates it's quite complicated, and there are people
21 with different opinions. The fact that we've had a good
22 meeting yesterday and a good meeting today where people

1 have been informative, respectful. We've been able to
2 have this kind of give and take, tough questions,
3 responsive answers have helped me understand it personally
4 tremendously.

5 And I'm immensely grateful that so many people
6 took so much time and have brought so much knowledge to
7 the table that we could benefit from. And we have made a
8 commitment that we don't have a pretense of knowing what
9 the silver bullet is. We know there is no single silver
10 bullet. But we will continue from this to see what role
11 we can play to try to further enhance the comprehensive
12 salmon recovery process including addressing this issue of
13 trying to get more adults upstream to return.

14 So I just want to thank all the witnesses today
15 and especially the audience. I reiterate what we said
16 yesterday, which is if you weren't able to offer personal
17 commentary because of the limited time we have but you
18 feel you have something we should know about, we want to
19 hear it. Please offer us your written comments and we
20 will take those into consideration.

21 SPEAKER: Also I want to thank University Of
22 Washington, Tacoma, for making this space available to us

1 for the hearing. And I want to also thank my staff for
2 the work they did in working with Brian Baird's staff on
3 these two days.

4 SPEAKER: Absolutely.

5 (Applause)

6 SPEAKER: And finally if people have questions
7 about, you know, if people want to say, well, I heard this
8 was said at the meeting, refer them to the transcript
9 that's available on the video from the folks who covered
10 this, because we want this to be disseminated as widely as
11 people can, so they can see how the issue is being
12 approached. Again, I want to complement Norm, thank you.

13 SPEAKER: Bringing the public's business before
14 the public, this is TBW.