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U. S. -vs- STATE OF WASHINGTON

U. S. Western District Court #9213

DEPOSITION OF J. E. LASATER

Olympia, WA March 29, 1973 (Original)

UNITED STATES DISTRICT COURT WESTERN DISTRICT OF WASHINGTON AT TACOMA

U. S. OF AMERICA, et al., Plaintiffs,	
-vs-	NO. 9 2 1 3
STATE OF WASHINGTON, et al.,	
Defendants.)	

CORRECTION SHEET -- DEPOSITION OF J. E. LASATER -- MARCH 29, 1973

PAGE	LINE	CORRECTION
13	5	"nineteen" should be "nine"
29	17	"fisheries" should be "fishery is"
37	1 & 2	Reference is to the Makah Tribe
39		I am unable to locate the letter.
53 53	20	Should read "Yes."

J. É. LASATER

UNITED STATES DISTRICT COURT WESTERN DISTRICT OF WASHINGTON AT TACOMA

U. S. OF AMERICA. et al..

NO. 9213

STATE OF WASHINGTON. et al..

WITE STATES DISTRICT COURT

EMITTERN DISTRICT OF WASHINGTON

JUL 30 1973

EDGAR SCOFFELD, CLERK

Defendants.

Plaintiffs.

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DEPOSITION UPON ORAL EXAMINATION OF J. E. LASATER

BE IT REMEMBERED That the oral examination of J. E. LASATER was taken herein in the above-entitled and numbered Cause on the 29th day of March, 1973, at Olympia Washington, before Eugene E. Barker, a Court Reporter and a Notary Public in and for the State of Washington.

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Counsel present were:

STUART S. PIERSON. Special Assistant to the U. S. Attorney;

GEORGE D. DYSART, Assistant Reg. Solicitor, U. S. Department of Interior;

DAVID GETCHES. Attorney at Law:

ALVIN J. ZIONTZ, Attorney at Law;

JAMES B. HOVIS, Attorney at Law;

EARL R. McGIMPSEY, Assistant Attorney General, State of Washington;

- ;	
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MR. PIERSON: May the record show that this is the deposition of Mr. J. E. Lasater taken in the case of United States versus the State of Washington, No. 9213, Western District of Washington at Tacoma. This deposition is taken pursuant to notice.

<u>J. E. LASATER,</u>

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being first duly sworn to testify the truth, the whole truth and nothing but the truth, deposed and said as follows:

EXAMINATION

BY MR. PIERSON:

- Q Mr. Lasater, you are employed by the Department of Fisheries?
- 17 A Yes.
- 18 Q Could you describe what your position is, please?
- 19 A I am Assistant Director in Charge of Operations.
- 20 Q How long have you been employed with the Department of 21 Fisheries?
- 22 A Twenty-two years in either April or May.
- 23 C The position which you hold now, how long have you held it?
- 25 A I meant to look that up. I think ten or eleven years.

And before that, what types of work were you doing? I was a Fisheries biologist working in several categories. biological work. What is your academic background relative to fisheries management and biology? I have a degree in Fisheries from the College of Fisheries, University of Washington. Have there been any other academic pursuits or research projects you have been involved in in an academic way? 10 I took a couple of courses of graduate work, and I have 11 taken certain training sessions in the years since, but 12 nothing toward a formal further degree. Would it be accurate in short terms to describe your 13 14 position as being the Head Man in the determination of 15 what management techniques will be utilized to carry out the policies of the Department with respect to fisheries 16 17 on salmon and other anadromous resources? It is much more a team effort than that. I rely heavily 18 19 on senior staff members and right on down through the 20 I do have a prominent role level. It is accurate to say you are the head of the team? On management, yes. 23 Were you here this morning and this afternoon when we took the deposition of Director Tollefson? 24 25 Yes.

I would like if I may just to talk about some of the subjects we talked about then. One of the later items was the question of biological incompatibility between salmon species such as Coho and Steelhead comingled within the river. Can you explain what incompatibility that is, if any? They are not incompatible. They are competing to a cer-7 tain degree, and they do affect each other, but both occur in the streams normally and always have, so they 10 do accommodate to each other but the abundance of one will affect the abundance of the other. 11 Are there any other salmon species which similarly 12 compete with the Steelhead? 13 I would say the Chinook do to some degree, yes. : 14 Now, are we talking about summer or winter Steelhead? : 15 Either. 16 .17 Okay. Both summer and winter they have to stay in the stream 18 for a time and cohabit with the salmon species. 19 20. And it is within the jurisdiction of the Department of Fisheries to regulate the management, including the 21 22 planting and harvest, of the Coho and Chinook which are comingled with Steelhead? 23 24 Yes.

In how many rivers by rough estimate is this salmon and

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Steelhead comingling and competing going on? A tremendous number. Can you give me some examples of some Puget Sound drainage systems where it occurs? I can start and you can stop me where you please. Start ing at the mouth of the Strait, the Hoko, the Clallam, · 7 Sekiu, Dungeness, Elwha, Dosewallips, Hamma Hamma, 8 Skokomish, Dewatto Creek, Tahuya, and coming around down Sound Chico Creek, a number of other small streams, a 9 number of small streams in Southern Puget Sound, Nisqually, 11 Puyallup, Snohomish, the Green and its tributaries, 12 Stillaquamish. Skagit and Nooksack. These are some of 13 the more important ones in the Puget Sound area. are numerous other smaller streams also. 14 .15 Are there some on the Pacific Coast as well? 16 Yes. I would say virtually all of them, starting from 17 north to south with the Quillayute system, the Hoh, the 18 Queets, the Quinault, Moclips, and now we are getting 19 down out of treaty Indian territory from there south. 20 In setting regulations on the harvest of these comingled 21 and competing salmon, could you describe for us what 22 coordination you have with the Department of Game? 23 We examine each other's regulations for areas where we 24 might find a conflict, either conflict for the utilization 25 by people or a conflict that might actually affect the

stocks one way or the other, and if they are severe then we try to adjust them, and on planting schedules we often work together so that neither one of us will make a heavy plant of larger fish over a plant of the other agency of smaller fish so that the one plant might eat the other one.

- Would it be accurate then to say as far as the biological competition between these species that you try to keep them in a rough balance, one against the other, in your cooperation with the Department of Game?
- To a limited extent. There is not a great deal of this. The species existed together in the streams prior to our management, and were successful or they would not be here, so there is no major problem on them existing together. Like any other group of animals that live in the same territory, they affect each other. We try to see that in our handling of them we don't tip the balance too strongly one way or the other, but it is not a major concern.
 - And I take it by that that you don't have any, as between you and the Game Department, any determinate of a priority species, that is, for example that the Coho would be allowed to be a much larger species in the river than Steelhead?
- A In numbers?

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Q Yes.

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A No. We just expect it to be that way because it always has been.

Considering for a minute some of the questions that were brought up by Mr. Hovis earlier, is it accurate to say and I am trying to understand the conversation he was having with the Director - that from strictly a management point of view if all of the harvesting of the resource were at the mouth of the various rivers, and you as the Department of Fisheries had the legal authority to determine who would harvest and who would be prohibited, that that would be an easier management scheme than you currently have with the fishing of the resource all the way from the Strait to the heads of the rivers? I am not certain that it would be. It would be in many cases more biologically precise, but we have just for instance a great number of small streams that you couldn't make it pay off to manage the takeout of a small stream, that is, put the effort on it and the knowledge and count the fish that precisely. It wouldn't be worth your effort. We have many of these streams that it would be a loser to manage in that way.

Could you solve that problem by authorizing some other entities, say for instance an Indian tribe, to determine access and count the fish, having given them an escapement

goal?

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Oh, I don't believe it would be worth anybody's effort to put the manpower on some of these small streams to manage them as a single entity. There just aren't enough fish there.

For example I know one little creek that I think that if you put the time of one man there that the handful of fish wouldn't pay for his time, and I doubt if it would pay for anybody, so this is an example of where I doubt if it would be a worthwhile thing to do. Turning for a minute to the years in your experience in the Department prior to 1968, and prior to Mr. Tollefson becoming the Director, you did as I understand it have only two recognized clients, and those were the commercial fishermen and the sport fishermen on salmon? Recognized in that sense, although we have always known that we had Indian fishermen, we have had reservation fisheries, and we have always worked with the Indian tribes, but as special clients under the law, no, so in one sense we have always worked with them and recognized that they're here certainly and fished, but as a legal recognition, not until the Puyallup case. And during these earlier years, and considering the various requests, interests, of the sport fishermen and

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the commercial fishermen, were there any instances where

the two interests were competing such that the Department had to decide how to adjust their interests in its regulations?

The two groups do compete, and what we have done is, since both are recognized as legal fishing entities by the Legislature, provide them both with a maximum opportunity to fish, and how the share comes out is up to the intensity of the fishery, the shifting numbers. The opportunity changes as you talk about different species and the way they behave and the weather of a particular season and so forth.

- As the season progresses, have you in the past ever adjusted the seasons and the opportunity to take to allow the other fish users to get more?
- A Not for that reason, no.

- In determining between the two competing interests and in your regulations defining their opportunity to take, what standards do you use for deciding the opportunity of the sports fisherman when competing with the opportunity concerning the commercial fisherman?
- 21 A We don't decide in that manner.
- 22 Q Earlier I think --
 - A See, we recognize that when the purse seiners come in and are fishing an area it is virtually impossible to sport fish the same area. That is recognized. We don't

do anything about something like that.

My question was really addressed to allocations of catch, and I understand, as Mr. Gingery has explained to us through the Director, that there are several different methods for augmenting or reducing or changing the catch of various user groups; what I am after really is that in the days when you were worried about the competing interests of commercial and sport fishermen, and you were trying to put together your regulations to decide what their opportunity would be in light of the fact that they compete, how would you decide that you were going to give one one thing and one another? What standard did you have? Was it just a fair-share standard, or was there something more definite or more clear than that?

You give them each all the fishing time that you can that will not in your best judgment impair the escapement for spawning.

Assuming you have a run which you can estimate at one hundred fifty thousand fish, and you need fifty thousand for escapement, and you realize that the sport fishing interests and the commercial interests will compete for the remaining hundred thousand, while I am not asking for a formula, how would you decide how to adjust the opportunities for those two various interests to insure

that they get some equitable share of that harvestable resource?

Generally the nets will remove the largest number of fish out of the water in the shortest period of time, so the general thing you do is allow the sport fishery to continue virtually unhindered except by regulations which limit the amount of fish a person can catch per day and the number of lines or such, in other words, since your goal is recreation you make the sport fisherman relatively inefficient, and then you can allow him to fish for a great period of time for recreation. Then when the commercial fishery starts usually by the time the run is approaching the river it is going to go to a closed area and there is a relatively brief commercial fishery and it is all over and the fish are beyond the fishery and neither the sport fisherman or the commercial fisherman can longer take them, they're home free.

Then it is accurate to say that in view of the fact that a commercial net fishery can take more fish for the same amount of effort you give them less time at the resource?

A And less area, less area to fish.

I see. And as compared to the competition with the recreational fishery by the sport fisherman, this is a kind of a rough equality or equitability that you distinguish between the two?

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It is a full opportunity to fish and compete with each other, and we are constantly being told by both sides that each one should have a larger share, and we say, 3 "You have plenty of opportunity to fish. Go fishing." 4 And in response, when they say they each want a larger share, do you ever say that, "We think this is an equitable 6 distribution"? 7 We tell them that if they have a problem along this 8 line that it is a legislative problem, and the Legislature 9 will have to deal with allocation, that they should take 10 it up with their Legislators. 11 But there is no statute or legislation that tells you of 12 or gives you a standard for allocation currently? 13 As I understand it we are not allowed to allocate. 14 By that, do you mean you are not allowed to utilize your 15 regulations to give equitable shares to each of the user groups? 17 We are not allowed to even define a share that I know of. 18 I see. For example, in later years when you have been 19 considering as a third client the Indian net fisheries 20 off-reservation in the various rivers, has it been your intention at all, or have you had an intention to augment 22 the catch that these various Indian fisheries would take? 23 24 If they have a special right, and Puyallup says

so, then they must have fish or their right is empty.

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And I take it then there is nothing in State law, the statutes, that requires you to allocate a particular share to these Indian net fisheries?

A Not a particular share, no.

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By what method do you attempt to augment the Indian net
fisheries that you are now considering and dealing with?
Soveral ways. One is that we take the Indian fishery

Several ways. One is that we take the Indian fishery into account when we set our over-all regulations for the entire Puget Sound area for instance. Our people know for instance that we have set an off-reservation area on Nisqually, and there is an off-reservation area for Squaxin, and they know that these fisheries will take place, and we are gaining experience on about how many people will fish, what their effort will be, what their take might be, and this has to be taken into account through the rest of the fishery. That is a general system. Then a particular instance is we have closed a portion of East Pass up north of Tacoma to commercial fishing because there will be an increased Indian catch under our regulations and we are decreasing the catch in Puget Sound by some degree with this closure. Those are a couple of instances.

And do you increase or augment the Indian catch also by additional planting in the various rivers?

A Yes. We have shifted for instance on Hood Canal our

planting from the Hoodsport Hatchery, which is away from the reservation, to the Skokomish River, so that we will 3 not get as many fish back at the Hoodsport Hatchery and the fish will instead go into the Skokomish Indian catch the Chinook catch is increased about nineteen times. Just referring to the example of the East Pass closure, is this the same closure that you testified about in the Puyallup case? 8 I must have. 10 And is it true that at the area where that closure tock 11 place there were other runs than the Puyallup River run? 12 There are some other runs that come through there in 13 addition. I think probably largely Deschutes. 14 And would it be accurate to say that the East Pass 15 closure was a more precise method for adjusting the level 16 of fish entering the Puyallup than if say you had had a 17 closure up next to Whidbey Island? 18 Very definitely, A closure up next to Whidbey Island, 19 we might not even protect Puyallup stock because there 20 would be fisheries following it. It just might move the 21 fish from one fishery to another. 22 Your experience with the East Pass closure, has it 23 indicated that you have increased the run of fish in the 24 Puyallup by that? 25 We can't tell because there has been a very large legal

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problem up on the Puyallup, and there hasn't been any control of the fishery, and we aren't able to measure.

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- A We will be able to I think when there is proper management on the river.
- Are there other examples where you similarly have imposed a closure on comingled runs where you do have information of what impact it has had on the river that you are intending to augment?
 - We avoid the fishing on comingled runs to the greatest extent possible, and we minimize it, although there is hardly a marine fishery that there won't be some fish from another run present, but I don't think of an area, well, in East Pass for instance, a problem on comingling like there would be further up the Sound, so we will I think have closures, and some of our closures are where there are several groups in the area, but we can reasonably determine them. For instance I am sure that the South Sound preserve would be much, much smaller if we didn't have a Nisqually Indian fishery. We would move the preserve line down so that the fish would be harvested.
 - Does the data you have available to you indicate that this larger South Sound closure has in fact augmented the run into the Indian net fishery on the Nisqually?

I would put it the other way, that if it wasn't there their run would greatly be diminished. Okay. When you are considering at the very outset of 3 compiling or adopting your regulations or proposing them to the Director, you say that now you consider these 5 off-reservation Indian net fisheries as one of the elements of harvest on the total run? 7 Yes. Okay. If you will bear with me I am going to try to work through what you do when you arrive at a final 10 regulation. 11 Is it accurate to say that the first thing you do 12 with the general run is try and estimate what escapement 13 goal you need for spawning before you talk about the other 14 regulations on the same run? 15 Oh, our needed escapements are a thing that is with us 16 all the time, and the figures usually persist from year 17 to year with small amendments and refinements as we see 18 the needs, so those are always before our people. 19 And after that you basically have before you a harvest-20 able resource? 21 No, your next step is to predict the run size. 22 Oh, okay. 23 24 Without a run size prediction you can't estimate whether

you have a harvestable portion or how large it might be.

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Q Okay. So let's say we have the coming year, and you have got an estimate of escapement, you do that in percentages?

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We use a system of indexes. The men will have counted. salmon on the spawning grounds on quite a number of streams, particularly portions of the stream, you can't walk out the entire stream, but particular representative portions, and good spawning areas, and you end up with numbers, and you compare these with numbers for past years and production for past years, and you end up with an expected production from that spawning. Then you examine water flows and weather and other things that would affect the degree to which the eggs and young will In some cases we make estimates in the marine areas after the young fish go into the marine area, of their abundance. Then we tend to lose them at sea for a time, where it isn't practical, largely from a monetary, a large-vessel standpoint, to follow them. Then when they come back we pick them up as they enter the fishery, and once again run the figures we are seeing for vessels and numbers of fish back against our past experience and we start refining the estimate, and your estimate first is on a total Puget Sound basis, then on a smaller region and a smaller area, as you get back to the river, and you see your estimate is getting better and better all

the time but your time span is running to zero, your opportunity to adjust the fishery, so you are working faster and faster with a more and more precise estimate as the fish come on back, and so you have a number of indexes that give you the health of the run, approximate size, and they will tell you that we are going to be all right in the spawning areas, without ever in many cases having an actual number. Now, when you say as you are proceeding to zero, which I presume would be the threshold of the spawning grounds Or past the last fishery. All right, past the last fishery. You include within the entire group of harvesters where it happens also these Indian net fisheries? Yes. of course. And it is true, isn't it, in most cases that as far as the progress of the resource is concerned the Indian net fishery is the last in line? The special Indian or treaty Indian fisheries are last in line. There are, of course, many opportunities for Indians to fish in all of these fisheries as they go on. Before the season begins and the resource enters the Straits you have from spawning ground counts and out-

migrant counts other brood year information, some estimate

of what the run size will be?

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Q Okay, And prior to the season you set general regulations concerning the commercial, the sport, and where you coordinate the Indian net fisheries will be undertaken?

Our staff starts coming up with recommendations and an assessment of run size, and I see many of the working papers as they progress, and they will finally arrive at a set of recommendations for the Director, and then we have a full review of their recommendations, bringing into it all of the pertinent background for making those particular regulations. There will be certain matters at times that are alternatives, which the biological staff will consider to be policy matters, we can do it this way or this way or this way, and so we go through all of these matters, and then the Director will decide the recommendations that are going to go to the public, and then these are announced, and under the A.P.A. system there is a twenty-day notice before a public hearing, and then go through the hearing process, hear any testimony, take written testimony in the interim, and then usually two to five days later we have what we call an adoption hearing. In the interim we go back over the material, what was the testimony, what did we hear, have we changed our minds in any way, and then we will adopt

the regulations on that adoption date. Then the process is not finished because we have emergency powers, and the season regulations are based upon our best estimates before the fish show up. Then as the fish arrive we begin refining our estimates, and wherever and whenever necessary change our regulations on a very immediate basis to accommodate the necessities of the moment. Okay. And in Puget Sound, while you don't have the precision of an over-the-dam count, you do estimate run size with greater precision as it progresses down the Sound towards the river? Yes. And you do impose, where it looks like the run size may be less than you expected, regulations to cut back on 14 the pressure on the resource as it comes down? 15 16 May I clarify? Sure. 17 Our precision is just as good up Sound on the total aggregate but there are more units. Our precision on 19 any particular unit increases toward the river, the par-20 ticular run to that particular river, so our accuracy 21 22 is good on the numbers we are working with at any point, 23 but the precision for a particular river, of course, is

greater as you approach that river.

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So I didn't want to give the idea that our work was that much sloppier away from the river. It is, though, in the upper Sound considerably more imprecise when you are thinking about just one run? That is right. Okay. As you proceed with your management regulations, as the runs come down the Sound and begin to split off, is it accurate to say that as to the Indian net fisheries, which you have tried to coordinate with off-reservation. 9 10 that it is your intention where you have the ability to 11 keep an amount or an opportunity for those Indian net 12 fisheries eventually to take a portion of that run? 13 We must do so. We have two sets of laws that say so. 14 One, our Code Book says that we have to preserve the 15 escapement, and then, as we understand Puyallup, the laws 16 of the land say that the Indians have a right to fish. a 17 Can you give me an example of things that you have done 18 in the various fisheries that occur on the run before 19 the Indian net fisheries to preserve some portion or 20 some opportunity to get a portion of that run for the 21 Indian net fisheries? 22 We have adjusted the number of days that the fleet can 23 fish as the runs come down south. We have done things 24 such as closing the East Pass to protect Puyallup fish. 25 We keep the South Sound preserve the size it is knowing

that fish will proceed to the Nisqually and Puyallup. We have done stream improvement work, work on the hydraulics code, to keep the streams in as good a natural production as civilization moves in as we can. We have increased our planting of salmon to rivers that have Indian fisheries on them; markedly in fact in recent years. Well, what I am after really are your emergency regulations as they come down. Oh. A One is to cut back on the days in the commercial fishery Both time and area closures. As you get further toward the river then area closures become practical because your fish are not comingled to any great extent. you can close an area to protect the fish of a particular This is very common practice toward the terminal end of the runs, places like Skagit Bay and Bellingham Bay. So you really have time and place adjustments which become a lot more manageable and effective the closer you get to the river? For particular rivers, yes. Do you ever have for the commercial fisheries gear

limitations such as mesh size and length?

Yes, of course. The length is pretty well set by

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legislation, although we could adjust the length, we could adjust the depth, but largely we use mesh size. And you have adjusted mesh size on an emergency basis? Yes. You spoke earlier about the A.P.A. requirements that you follow; in the emergency area, what do you do, do you have the regular hearing framework and written things, or is this some truncated procedure? 8 9 No, the Director can adopt an emergency regulation without hearing and make public announcement of it and it 10 is effective immediately. 11 Is it your normal practice where feasible to give warning to those affected by that? 13 Yes, we try to give reasonable warnings so a man can 14 pick his net up. We would have a hard time with a case 15 if you passed a regulation and grabbed the guy before he 16 17 could raise his net. And where feasible, do you attempt to get information 18 from them about what they are doing and what data they 19 may be able to help you with in reaching the determination 20 21 on the emergency regulation? 22 We use any and all information that we can get. Back when you were talking about the present regulations, 23 the general regulations that you adopted before you get 24 25 into the emergency circumstance as the runs together

proceed southward through the Sound, do you consider in those regulations how the Indian net fisheries you are concerned with will fish, for example when they will fish and what type of gear they will use and where they will fish? In other words, do those advance regulations set specific regulations for the Indian net fishery as well? They often do.

And if in this process you were to prohibit the Indian net fishery from using a particular type of net, and expressed an interest in prohibiting them entirely from fishing in this coming year because you found you have an endangered run entirely, would you consider that regulation of general applicability which under the Administrative Procedure Act you would be required to send notice to the Code Reviser on?

Yes. 17

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Now, we are talking about the regulations we set for the season?

Yes.

Yes. 21

Now, may I point out an exception?

Yes. Ω 23

> And that is on the Columbia River we are not under the same practices we are in Puget Sound due to the Compact.

- Q I am just speaking about Puget Sound.
- A All right.
 - If you were to consider and propose a regulation or rule whatever you would call it, which would in the interest of conservation absolutely prohibit any Indian net fisheries of the kind we have talked about, would you consider that an order or regulation or rule which under the A.P.A. you should send notice to the Code Reviser about?
 - A Yes.

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When we were speaking about the Director earlier today we were talking about the problem of being able to predict how many rivers will be impacted by closure in the upper Sound and what effect in the various rivers there would be, and the example he came up with was the one here as to the fish ladder in the Deschutes and Capitol Lake, and he indicated that there was currently a larger number of fish reaching the spawning grounds than were needed; my question really is, if it should occur, this great surplus as a result of some closure in the upper Sound, would it be feasible as the run proceeded down there to alter your seasons on the rivers to allow people to fish in these expected surplus areas?

We have some other criteria that are important to us, and we find that some areas you should not fish at all

because harassment of the group of fish as they approach spawning time, that is, to take a certain number of them out will spoil the spawning of the rest of them. are approaching the end of their lifespan, and have a certain energy level, and on a small stream like the Deschutes, well, turning the public loose on them to get a certain portion of them may mean you spoil the whole spawn. It would be very dangerous to do so. So we in general do not wish to fish in a stream where the fish are holding prior to spawning, where harassment would bother them, especially on smaller streams, and concerning establishing spawning areas. Then, of course. if they are on the spawning grounds, flushing them from the spawning areas, or just too much walking over the spawning beds and such, well, there are certain things that just should not be done, and you end up trying to weigh which is going to kill you off the quickest, and you try not to get in that type of situation. So there. are certain places and manners which even with a surplus we might not want to touch the fish with. To pursue the example again, as far as salmon are concerned, is it potentially harmful to the fish say of the Deschutes River to have an excess or surplus above

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escapement?

Yes. Two things happen. One, you end up with an

extremely low survival of your stock. You can get very nearly wiped out entirely by overspawning in some cases. It ruins the whole production in the stream. Then you can severely impact the other fish in the area that you are also trying to manage, and in extreme cases you can even lower the oxygen in the water. You can pollute the water by --

Q By too many fish?

- A Too many carcasses up the stream, fish that die. Now, those are extremes but they are examples and we have seen them.
- Q As a biologist, do you know whether the same prospect for harm from a surplus escapement holds for Steelhead?
- A I have never worked with Steelhead. I wouldn't hazard a guess on that one.
- Just as a general matter for those river drainages in the Puget Sound area, is there a sufficient ability for you to find places to take the surplus in the rivers which may occur from an upper Sound closure or cutback or restriction?

What I am driving at is that the understanding I am deriving from your testimony and the Director's is that in some of the rivers where there is now a surplus, or where you may create a surplus in an upper Sound closure or restriction, you don't have the ability to harvest

that resource before it reaches a spawning ground and you have, one, wastage, and, two, a potential harm of the run, is that a correct impression, or -Our ability is very limited. We have some capability. For instance, at a hatchery where we have a hatchery rack in the stream you can load them into the trucks

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there.

Q Do you know of any Indian tribes in the lower and mid-Sound area who would be willing to take up this surplus for you should you give them the opportunity?

Oh, they have the opportunity. We make surplus salmon from our hatcheries available to these people every year.

What I am speaking of really is as they come into the river and you realize there is a surplus, which for purposes of the hypothetical it has been created by a fairly imprecise closure above in the Sound -- let me take an example. If you were to decide you needed to increase or augment the run into the Puyallup River, and the method you determined to use was to restrict the fishing on the comingled runs very high up, say around Whidbey Island, and you find that coincidental with this there is a very great increase and indeed a harmful, potentially harmful surplus of the fish entering the Nisqually River and other South Sound rivers, is there

the capability on those river systems themselves biologically and from a fish management point of view to. permit Indian tribes to take those surplus fish beneficially for the management of --That is exactly what we are doing on the Nisqually. We take fish from Minter Creek, where we have a very limited capability, and we are planting the Nisqually River very heavily. We are in effect putting the surplus from Minter Creek into the Nisqually, and it is never going to show up where it will cause us a problem, the Indians are going to harvest them. Are there from your background and information other rivers in the South Sound which have a potential for sustaining or suffering this harmful excess if you had greater restrictions in the upper Sound area? Yes, I would say the potential is there for most of

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some such.

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Q And do you know whether there are places on each or any of those rivers where treaty Indians fishing with nets could take up the surplus?

them, where we don't have an actual hatchery rack or

On larger streams that might be a possibility, and, of course, most of the larger streams do have an Indian fishery of some sort on them right now. On smaller streams you end up with your spawning areas starting at

practically immediately above tidewater and you are really talking about a spawning ground fishery with smaller numbers of fish, and we would almost have to get into a "system" of some sort, and I wouldn't know how to handle that at this time on a wide variety of streams.

Q That would be basically a political problem?

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- A No, it would be a tremendous headache to try to figure it out from a management standpoint.
- Q Could you alleviate that problem somewhat by moving the Indian net fisheries cut into the Sound waters to take up the surplus?
 - This is in part what we have begun. For instance on Squaxin they have small streams there, and through negotiation with the tribe they have agreed that the streams should be closed and they should not fish there, and the fisheries then set up out in the marine area. What I am really getting at is if by an upper Sound restriction or closure you have a potentially harmful surplus in the lower Sound, and you said it may be difficult to harvest this resource properly in the smaller streams, could you alleviate the problem created by the smallness of the streams and location of the spawning beds by moving the Indian net fishery out into the Sound?

My problem here is that we are getting into an area where

I am troubled by the law, and that is in many of these areas I believe other citizens have a right to some fish also, and if we in streams — for instance, since we are sitting right here, if we use the Deschutes, which runs out here, which is entirely an artificial run what right do the other people who paid for those fish with their taxes have to those stocks, and how much of them do we take away from these other people? What are the rights of all the other people that are involved, and how far do we cut them back? We are getting into a point where I need legal guidance.

Okay. I am not trying to push you into a legal corner but I am trying to find out what management feasibilities you have.

Now, the other interest you are talking about are people who would take the fish on the Deschutes itself?
No, up Sound.

Q Up Sound?

A Or wherever. Up Sound primarily, though, where they are fished upon by all citizens.

And what you are really speaking of is that you think there is a threshold which if you cross it concerning restrictions for those people in the upper Sound you are really not being fair to them, is that it?

If we have three clients, they are all real, and the

rights of the other two clients, the sports fishermen and commercial fishermen, are also to be protected, so 2 3 there must be some sort of a threshold here, some sort of a balance. 5 You should not restrict one in order to give an advantage to another? 6 Well, if we get into a wasteful surplus somehow we have .7 gone wrong because people are supposed to catch those fish, that is what we are here for, whether it is Indians 9 or hon-Indians or whatever. The whole name of the game 10 11 is not to conserve the fish for the fisheries sake, but 12 it is to conserve them so we can have the highest possible 13 crop for our fishermen. All right. Now, when you say "a wasteful surplus," you 14 15 mean that which has a potential if it gets to the spawn-16 ing grounds either not to be harvested or to harm the 17 resource? Either way, yes. If it is not needed for spawning then 18 19 it should be caught. 20 And you do have within a limited capability the opportunity very late in the run's progression to take that 21 surplus by Indian net fisheries? 22 23 Some possibility. There are such things as weather and 24 any number of other things that do impinge on it.

instance, on Green River, where we have set up a surplus-

type fishery for the Muckleshoots, not a treaty fishery, 1 actually fishing quite a lot of the time has not really 2 3 put a big dent in the run, and this may be in part due to physical limitations, or it may be in part due to how the people wish to fish. This particular fishery, the Muckleshoots, that you are talking about, is it confined either by agreement or some other way in terms of time and place and gear? Yes, it is confined in time and place. We want to stay 10 below the spawning and hold-up areas in the river where vulnerability would become say uncontrollable or very 11 12 risky. And there are physical conditions in the river and 13 weather conditions which limit the capacity of the nets 14 15 to take the fish? 16 I think the inclination of the people, the way they want 17 to fish, has quite a bit to do with it, too. So they are both factors? 18 19 I think if we put Bob Satiacum in there he would clean 20 up. 21 Would he destroy the run? Unlimited -- without regulations he sure would. Could you regulate him to prevent him from doing that? 23 As I --.

If you had the power?

As I just said, in that particular area we have put Indian fishermen in there and they are not overly impacting the run, so the regulations that we have that ż apply to those Indians, well, they are not damaging the Coho run. 5 You just said if I understand it that there were two factors concerning which they are not greatly impacting the run, one was the physical limitations on the time, place and gear, and the other was the fact that apparently: they have not fished to the maximum opportunity, is that 10 Well, there are almost an infinite number of factors that 11 affect a person's ability to catch fish, and we have 12 named some major ones. 13 14 (RECESS) . 15 (By Mr. Pierson) Okay, continuing, Mr. Lasater, trying 16 to take up with the question I was about to ask, as I -17 understand it there were two reasons why this Muckleshoot 18 Indian net fishery had not substantially cut into the 19 run, and one was that the Indians didn't fish to the 20 maximum opportunity, and the other was the general physical 21 limitations and regulatory limitations on use of gear, 22 time and place, is that correct? 23

All of those are considerations, yes.

If the Muckleshoots determined and actually did fish to

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the maximum they were allowed under the regulations for that fishery, would it decimate or destroy or harm the run? 3 I don't know what maximum -- right now I don't personally know what maximum effort they could put in the area under particular regulations and other circumstances. In deciding what time, place and gear limitations to 8 place on that particular fishery, did you assume a maximum utilization of the opportunity? 10 11 I wouldn't think so because this isn't a treaty Indian fishery. We are operating under regulations which allow 12 us to take surplus, salmon surplus to our needs, and we 13 have set this up for the Muckleshoots under that set of 14 laws and not under treaty fishing laws. 15 I see. So that this Muckleshoot fishing effort is basi-16 cally to take away from the run surplus fish which would 17 either be wasted or would harm the run? 18 19 Yes. Have you tried such a surplus fishing effort with Indian 20 21 tribes anywhere else in the State? I think I mentioned the Skokomish and Nisqually, where we have actually shifted our planting effort, which is 23 24 the best way to handle a surplus area, is to put them in 25 an Indian fishery that is in existence.

And by "planting" you mean putting small fish in the river and hoping that they will return to the same river for catching?

We don't have to hope they will; they will.

Okay. You mentioned for example the Squaxin Island fishery, and I am looking at a Washington Department of Fisheries News, Volume I, March, 1973, and there is an article here dealing with Squaxin Island Chinook, and I think discussing generally the taking of salmon around and on Squaxin Island. Now, with that prefatory reference, do you know whether the fish or the runs which are augmented around Squaxin Island will be taken mostly by the sport fishery or mostly by the Indian fishery?

Oh, this is quite a separate thing. We are experimenting with extended rearing of salmon to cause them to residualize in Puget Sound, or go where we want them, and the Squaxins are in a pen-rearing venture, and we have an agreement with them whereby we furnish them a certain number of young fish to rear in saltwater pens and they rear them and as payment for those fish we get a certain number released into the environment after rearing, so it is a cooperative rearing arrangement to add to the fishery while the Squaxins get fish to rear for sale, so that is a separate business arrangement, and it is aimed at enhancing the sport fishery in Puget Sound, so it is a

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straight business arrangement aimed entirely away from a particular Indian fishery. It just happens to be very convenient to work with the Squaxin tribe in that manner and we appreciate it.

You take small fish and give them to them and they rear them in the pens?

A Yes.

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Q They manage the entire rearing operation?

A Yes.

May I clarify one thing?

Q Surely.

When I say they manage it, we have certain terms in our agreement, numbers of fish we will get, physical condition, things of that nature, and I don't think that that is contrary to the sense of the question as you asked it, is it?

No. Do you have any general impression of whether any individual Indian treaty net fisheries outside reservation boundaries have taken greater numbers of fish since inaugurating your formal attention to the Indian net fishing ventures as part of your clientele of the Department?

I am quite sure that the take by -- wait a minute, offreservation. I was thinking of the Skokomish. There we planted so the fish would return to the reservation.

I am sure that that would show an increase in their troll catch due to the season that we have set for them. On the Fuyallup, when we did have a season that was operating, the Puyallups took a substantial quantity of salmon in that fishery under State regulations. The Nisqually, I think that we are really talking about an increase that is largely to come. Our main plants -- it takes a few years after you plant before the fish are adults and come back. Their fishery off-reservation is probably benefitted to a degree already but will accelerate sharply in the next few years. That is your hope at least? I will quarantee it. All right. Just for a specific example, Mr. Lasater, it is true, is it not, that the game fish jurisdiction begins on December 1st of the year? No, their jurisdiction is year-around. In the various rivers where Steelhead run their jurisdiction in terms of regulations and enforcement begins on December 1st, does it not? No, it is year-around. In the Nisqually River, do you know whether there is a Chum salmon run during December, January and February? Yes, there is.

To your knowledge, is there an Indian net fishing effort

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on that run? 1 Yes, there is. Is it on-reservation or off? Starting after December 1 the fishery is on-reservation. That is to say that the Department of Fisheries after the 1st of December does not authorize any of the treaty net fisheries we have been talking about before outside reservation boundaries? 9 That is correct. What is the reason for that? 10 O The reason is that at the request of the Game Department we close the off-reservation season because of management 12 13 of the Steelhead run. And do you know the justifications for their request? 14 No, not in any detail. 15 Well, what reasons did they give you that it was necessary 16 17 to conservation of the Steelhead resource that you pro-18 hibit the Indian net fishery on Chum after the first of 19 December? I don't remember any specific reasons. It is for manage-20 ment of the Steelhead run. 21 22 Just so I understand you completely, all that was asked was not to allow any Indian net fishery after December 23 24 1st on Chum on the Nisqually and without more you said 25 Fine?

I would have to go back into the record to look at the 2 letters or whatever there might be to see specifically what was said. It is for management of the run, whatever 3 that implies, and I don't remember in detail what the documents might have said specifically. They may very 5 well have referred to conservation or such, but I don't 6 7 remember particularly. Okay. Is there anybody besides you that we would go to to find out the details? 9 Oh, we would look in our files to find out what the 10 11 letters were that came to us on this matter. 12 PIERSON: Bill, Earl, could we agree among ourselves as to a chance to look at some of 13 those letters before we leave? 14 15 MR. HOVIS: Or furnish them as part of the exhibits. 16 Or furnish them to us. 17 MR. PIERSON: MR. McGIMPSEY: Sure. 18 19 THE WITNESS: I am reasonably sure from my memory that we have a letter of request from the Game 20 21 Department on the matter. 22 MR. HOVIS: Would you ask him if it was based on those letters rather than conversations that 23 24 the Department acceded to this request, and if so, then 25 at the time he signs the deposition why, or reviews the

deposition, why, we can attach that letter to the deposition perhaps.

MR. PIERSON: Okay. Let me go back a little farther.

- (By Mr. Pierson) Without feeling that you are pinning yourself down I am trying to get an idea of what happened is it your recollection that there were specific citations of data or practices or any kind of conservation information which were at the basis of this report, or was it just the request that it was in the interest of conservation?
- A I don't remember the full basis for the request. I think we would have to look at the letter.
- Do you have any independent recollection of what would be in the files about conservation or other verbal communications you might have had with the Department of Game on the matter?
- As I remember it we either requested verbally or by letter Game's consideration on certain seasons and their timing as to how it might affect Steelhead and their views on the matter and we got a letter back. That is the best of my recollection on it.
 - And you do this customarily when you get into the area of Fisheries Department regulations which may influence the take of Steelhead and the Steelhead resource?

A Sometimes our interactions are verbal; sometimes in writing. We communicate any particular way that is convenient and would suit the purpose.

But this is part of the practice of getting their views on your regulations which influence conservation of the Steelhead resource, that is what you do it for, that is why you wrote and asked them for their views?

A Yes.

Okay. And customarily, do their views come back with detailed information about why they feel as they do, or do they just state their position without more?

Over the years it must have varied from one extreme to the other, depending on the circumstance.

Are you particularly referring to off-reservation Indian fisheries? You said Steelhead management. Well, what I am getting at is an idea of the practice under which you take the requests or recommendations or views of the Department of Game in deciding how to set seasons on salmon.

Okay. It is going to vary all over the place because if it is a minor point and the guy calls up and says, "Hey, how about this?" and the other guy says, "Heck, there's no problem," then you will forget about it, or if it gets into where there might be say a conflict of regulations or such, that becomes a policy matter, and it

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will be referred all the way up to the Director, or something like this where it is a matter of law you might end up with a signed document or letters of some sort. It is going to all together depend upon the circumstance.

In your experience and under the policy directives which were given to you within the Fisheries Department, have you determined that the Indian net fisheries which you permit will be confined to the periods in the Nisqually River before December 1st?

What I am getting at is why all of a sudden on December 1st the Indian net fishery which you have permitted before that time is eliminated.

- As I remember the letter the Game Department set that as the date at which time our regulations would impact the Steelhead run and requested no net fishing after November 30th.
- Q And was there any indication as you recall in the letter of previous experience with such Indian net fisheries on Steelhead?
- A I don't remember.
- Q Okay. Was your decision in any way to eliminate the off-reservation fishing as of December 1st influenced by your concern to conserve the Chum resource?
- A No.

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Do you know how many Ghum salmon were taken this past season by the Indian net fishery on the Nisqually before December 1st? No, I don't. I would have to go to our statistical people and ask for a breakdown on the information. Do you know just offhand whether the peak of the Chum run occurs before or after December 1st? It occurs after December 1st on the Nisqually. Do you know whether as far as the Nisqually is concerned the more desirable Indian net fishing sites are on or 10 off the reservation? Give me an area. Do you mean in the total river, river 12 and Puget Sound, or the river itself? 13 Well, in your experience with the Indians in this off-14 reservation net fishery on the Nisqually, would they 15 have preferred to take the Chum salmon off-reservation 16 than on? 17 Gee, I think they would have to answer that. I am not sure. 19 20 You don't know as a matter of the efficiency of the technique of the net fishing they utilize whether it is 21 more efficient or better or easier to operate on the 22 reservation as opposed to off? Well, here is what I have to go on: In talking with the 24 Nisqually Tribe about the off-reservation area they said 25

that they would like to fish a greater area off-reservation than we have allowed, and I pointed out to them that in our opinion they were taking about the full harvest that the river could afford, and that if we were going to expand the area then we would want to talk to them about what measures they would be taking on-reservation to keep the total catch within bounds, and then we could negotiate about the size of the area off-reservation. They have not chosen to negotiate to further restrict on-reservation, so my conclusion is that they regard their on-reservation sites very highly.

- And in this consideration with the Nisquallys, was there any discussion or consideration given to limiting any of the take at any point seaward of the mouth of the Nisqually?
- A I don't remember a particular conversation along this line.
- Q Did you consider that at all as a means for augmenting the off-reservation Nisqually take?
- I would be certain that we would have pointed out the size of the salmon preserve, that we now have to protect the Nisqually run, and our management efforts throughout the rest of the fishery. I think we would have gotten into this as a matter of course.
- From your information and experience, if you had increased

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even further the preserve out in the South Sound, would it have increased the run in the Nisqually? Not on Chums it wouldn't, because the Chum run for the Nisqually almost entirely comes through after the rest of the Puget Sound fishery is closed. It is almost 5 entirely a Nisqually Indian fishery. 7 And our whole conversation to your mind has been confined to the Chum run in this regard, we are not talking about salmon generally? No, I thought your questions were on Chum. 10 Yes. 11 12 Off the record a second. MR. DYSART: 13 (WHEREUPON, there was 14 an off-the-record discussion.) 15 (By Mr. Pierson) Just one further thing. In the dis-16 17 cussions which you had with the Nisquallys, would you have considered expanding the South Sound preserve if 18 19 the Nisquallys had shown an amenability to limit their 20 on-reservation take? 21 That would have been I think a matter of trying to figure 22 out what in the world the law requires us to do further 23 to meet the treaty right. We are back into the legal 24 judgment of what are we required to do when we get to 25 how far do we go.

If the law required you to provide for the Indians by comparison with the other groups who utilize the resource a fair and equitable share and you had requested that they limit their on-reservation take of the Chum, in return for their agreement to do that, would you have considered expanding the South Sound preserve to increase the run in the Nisqually?

Oh, not on Chums because it wouldn't work. There is virtually no commercial fishery by non-Indians on the Nisqually Chum run. It comes through after we have closed the Puget Sound fishery. They are in a very nice position in that regard.

Would you have considered increasing your planting efforin the Nisqually to augment the run if they were to
agree to limit the level of their on-reservation fishing?
Not on Chums. Our hatchery capability on Chums is very
limited, and we are building it up, but we are not in a
position to make massive plants of Chums any place now,
any river. Our techniques are not anywhere near as good
on Chums as they are on Chinook and Coho, so our main
hatchery fish are Chinook and Coho, and we are starting
to build up our hatchery efforts on Chums. We are just
getting our techniques down in that regard. Sockeye and
Pinks, we have virtually no hatchery effort. We do a
little at Hoodsport. So our capabilities are different

on the different species.

In terms of your consideration, your discussions, coordination with these fairly-recent Indian net fisheries, would you consider such adjustments if you were instructed that as a matter of law the guiding standard was a fair and equitable share?

If somebody defined a fair and equitable share, then I would give this guideline to the staff and say, "Come up with the best alternatives to meet this," and then we would consider those alternatives. Then we would want to talk to the particular tribe of Indians about these alternatives, probably informally before we ever got to the hearing stage, and then go through the A.P.A. procedures to enact the needed regulations.

To take the Nisqually example again, let's assume just for the purpose of my trying to understand how you might implement a fair and equitable share that if you had the capability of expanding the river run, either by increased hatchery plants or expanding the preserve area, and you wished to decrease the number of on-reservation fish taken, and adjust the fair and equitable share, would you consider the Department's adjusting of the South Sound preserve or increasing the hatchery plants in return for the Indians' agreement on-reservation to limit their take? To me you have asked me a contradiction. If you are

going to increase the run through hatchery plants, then chances are you don't have to ask for a decrease in the 2 3 reservation fishery. You put them both together. Let's assume in the hypothetical you had a sport fishery 5 above the reservation and your intention was to have an increased escapement from or beyond the Indian net fishery, the Indians wanted to fish a fair amount but 8 they wanted also to do it off-reservation, and you deter-9 mined to provide a sport fishery above the reservation, 10 you had to have a substantial escapement from the onreservation net fishery but you couldn't be sure to do 11 that unless the Indians on-reservation would agree to 12 13 restrict somewhat their on-reservation net fishery, and the Indians say in return for that, "We would like you 14 15 to expand the initial influx into the river so that outside the reservation we can take more," in return for 16 17 their agreement to limit their on-reservation net fishery, 18 would you discuss, would you consider the options of in 19 return expanding the South Sound preserve or increasing 20 the number of hatchery plants in the river? 21 We have told the Nisquallys that the matter is open for negotiation, and that is a matter of record with the 22 23 24 I am not sure whether you answered me yes or no or in

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between.

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Oh. The potential is there for us to work out various arrangements with the tribe, depending upon the circumstances, and basically I have told them that if we are able to increase the numbers of fish in the Nisqually to the point where it makes sense to harvest over a larger area, then we are going to be ready to negotiate it. Now, even beyond that, of course, we may just plain believe that if there is enough fish it is our obligation under the law to increase the area.

Okay.

But when I say "negotiate," we would like to talk to the

A But when I say "negotiate," we would like to talk to the tribe about it.

Switching for the moment to an entirely different subject, are you aware of any studies on the Fraser River concerning the capability of nets to take anadromous fish runs?

A Yes, I am aware of it.

Can you give me some samples of how recent these were and what fish runs were involved and precisely the conclusions and data involved to the extent you know?

Well, the study I remember, and I can't remember the date, it's been several years ago now, and I doubt if the data would have changed, is on Sockeye. One of the statements of the Salmon Commission staff was that the fleet is capable of taking ninety-eight percent of the run. I am

not sure whether they meant exclusively on the river. They may well have been talking about the total U.S .-Canadian fleet throughout the fishery. This is a fishery that is first of all bi-national, two Right. 5 And there is a Commission which regulates the harvesting techniques, time, place and manner of both of the nations' fishermen? 8 9 Yes, the U.S. and Canada. 10 And the method of fishing is by net? 11 A, Yes. Is it purse seines and gill nets? 12 Q There are some Indian dip net fisheries, and 13 probably other methods by native Indians upriver also. 14 15 And the conclusion of this report about ninety-eight 16 percent capability, was it including the Indian dip net 17 fishery? I am reasonably sure it was referring to the net fishery, 18 19 and off the river, and by the two nationals. think it was referring to the exclusive Indian fishery 21 that exists upriver. 22 And the reports spoke only in terms of capability, is that correct? 24 Yes, because it is regulated to prevent just that from 25 happening.

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That regulation has been successful I take it? There is, of course, a margin of error in any regulation scheme, but it has been reasonably successful. Were there to your knowledge any Steelhead involved in the runs which they were studying? Not to my knowledge. Were they all salmon? The study I am quite sure referred specifically to Sockeye salmon. 9 10 Now, you are speaking just of one study; do you remember Q. when that was done? 11 12 1 No. I don't. 13 Has it been five years, or more than that? Q 14 I wouldn't be at all surprised that it has been. A 15 In your knowledge of the Fraser River fishery, has it materially changed in the type of fishing or the degree 16 17 of effort since the report? 18 If anything the capability of the fleet is increased due 19 to more modern gear, more modern nets, better power and 20 I think the capability of the fleet is greater such. 21 now than it was at the time the report was written up. 22 And the resource, although with incidental decreases, 23 has generally either stayed the same or expanded? 24 It varies all over the place, depending upon race and 25 cycle of Sockeye, but it has been maintained.

Do you know of any other reports on the Fraser River runs -1 besides that one which would speak in terms of the per-2 centage capability of the net fisheries? 3 I am quite certain that in some respect there would be any number of others. The annual report and such con-5 stantly refer to the efficiency of this gear or that and how it affected certain runs and so forth. So there is much information upon the efficiency of the gear in 8 any particular year or area in their report. 9 Would these get into the specifics about those years and 10 runs which have decreased, or showed some 11 12 Oh, yes. They are put out yearly? 13 They have an annual report that pretty well covers the 14 past season's fishing. 15 MR. PIERSON: That is all I have. 16 17 18 EXAMINATION 19 BY MR. ZIONTZ: 20 Mr. Lasater, I want to ask about the reef net fishery 21 near Lummi Island. Are you familiar with the reef net 22 licensing? 23 Yes, I am. 24 First of all, could you tell me whether the license that 25

is issued by your Department has reference to any particular site? 2 No. it doesn't. 3 It is an annual license? Is that license issued to anyone who applies? That is right, anybody that fills out an application and 7 puts down the price of the license may get a reef net license. It doesn't matter whether he has a site or location on Q. 10 which to use that license or not? 11 Not to this Department, no. 12 Now, you do attempt to regulate the reef net fishery? 13 Yes, it is regulated by time, and there is a State law 14 that regulates the areas in which reef nets may be used. 15 And do you also by regulation provide for the number of 16 nets that may be located in any given area? 17 No. 18 Do you provide for the separation between nets or boats? 19 No. 20 Do you have any knowledge, formal or informal, as to how 21 these sites are occupied by individuals? 22 It's by agreement among the fishermen. 23 Has there been any sale of sites, that is, does a fisher-24 man have some claim of ownership which he can transfer 25

to somebody else for a price, do you know? I believe that on an informal basis between them that 3 this is the case. You have been in this fisheries work for what, twenty-- 4 five or thirty years? I have been with the Department about twenty-two years. I haven't been in management of fisheries that long. 7 At one time these reef net sites up near Lummi Island 8 were at least to some extent occupied by Lummi Indians, 9 10 are you aware of that? I have heard testimony that the original idea of reef netting is an Indian idea, but I don't know specifically 12 13 if the Lummis themselves fished that way or not. I have no personal knowledge of it. 14 15 You have no knowledge as to whether any of the reef netters were Lummis at any time? 16 17 I am sure that Lummi Indians must have served on reef 18 net crews, and probably still do, but I have no personal 19 knowledge. 20 You have never gone up to the reef net sites and per-21 sonally gone aboard or talked to any of the people? 22 I have not asked a person if he's a Lummi Indian. 23 I see. I have seen people that I would consider to be Indians 24 25 working the gear.

Now, your Department, of course, does not require licenses of treaty Indians who engage in fisheries at their usual and accustomed places? We don't require licenses of any Washington Indian, treaty or non-treaty. Okay. Now, this is fishing licenses. Right. If he wants to get into the wholesale fish business or something that is different, but we don't require a 10 license of any Washington Indian. 11 What is the reason you make no distinction between treaty 12 and non-treaty? 13 It is a policy matter in State government, and we have 14 15 been doing this for quite a long time, and so it is a 16 State policy. 17 I see. Does your Patrol check the reef netters to see whether they are all licensed? 18 19 Yes. 20 Have you ever encountered a situation where you had an 21 Indian reef netter who was there but did not show a 22 license because he was an Indian? 23 I have no knowledge of this. I see. Presently your Department is setting a Makah 24

troll fishery season separate and apart from your regular

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commercial season, isn't that right? It is an off-reservation fishing season for Makah Indians. What area is covered by that off-reservation season? It is generally the area adjacent to the reservation and extending, if my memory serves me right, down the Strait of Juan de Fuca a distance past the reservation. I don't 7 know the number of miles. 8 Do you know by what method the Makahs are fishing in that season? 10 They are trolling. 11 Trolling only? 12 Yes, I am quite sure it is a troll season. 13 During that same period when the Makahs are trolling, 14 is that area also open to sports fishing? 15 I am trying to remember where the line is. 16 No, it is not all open to sport fishing. If I 17 remember correctly now the line for sport fishing is at 18 Waadah Island, and the Indians fish seaward of that point, 19 so there's a part of the area that is open to Makah 20 Indians to troll that is closed to all non-Indians for 21 fishing for a time. Then when the season opens up on 22 April 15th, then people can fish seaward. 23 That is sports fishing? 24 Yes. Then there is a line out by Tatoosh where commercial 25 trolling takes place beyond that.

Q But there is some point in that season where you have Makah trollers and sportsmen but no non-Indian trollers permitted?

- A Yes, in part of the area. Part of the area it's only.
 Makah trollers.
- Now, I think it was you who said that you have no particular concern about hook-and-line fishermen causing any impact on a particular run, it is the commercial effort which creates the most serious problem for management?
- A I didn't say "no concern." The concerns are different.

 The sport fishery, of course, takes a particular number of fish and they have to be accounted for, but your management concern is not as great due to the lower efficiency and the spreading of the fishing effort over a larger period of time, so you don't get the sudden extraction of a large body of fish so that you lose control.
- I see. If other Indian fishermen were to enter the troll fisheries so that you got an increase in the number of Indian trollers, would this cause any particular problem for the Department in terms of allocating an Indian commercial season that was broader than the nor-Indian commercial season?
- A First I would like to distinguish between hook-and-line, meaning sports fishery, and commercial trolling. The

impact is quite different.

Q Why is that?

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- Because the commercial troller can use six main lines with any number of lures attached, where the sport fisherman is fishing a rod with one line and lure, and that commercial troller may be fishing up to forty-eight lures at times, and there is a vast difference in their 7 capability to catch fish. The sports fisherman can take 9 three salmon per day; the troller can take an unlimited 10 amount per day. It just depends on his capability while he is fishing. There is a big difference between 11 12 hook-and-line fishing by commercial trollers and hook-13 and-line fishing by sportsmen.
 - Your sports fishery has been increasing each year for the past fifteen years, hasn't it, in terms of the number of people entering the fishery?
- 17 | A Yes.

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- 18 Q Have you any idea of what the average increase is per 19 year?
- 20 A No. We could look that up for you but I haven't 21 committed it to memory, no.
 - Which reminds me, when you mentioned that your management process is a process of gathering the catch data and analyzing it and reading that out seeing what the story is each time, do you utilize a computer in that operation?

Yes, we do. Basically we have this whole matter set up to make computer runs very rapidly, cranking the data 2 in, and it is information from the commercial fishery once the run starts that gives us our precision as we come down Sound and toward the river mouth, and our sampling comes from the actual catch. That is the best 7 clue to numbers, if you know the variables that are So our accuracy is dependent upon the sampling 8 involved. of the commercial fishery. That is our sampling tool on 10 the run as it proceeds. I understand that. Where is the computer located that 11 you use? 12 On the campus here some place. I have never gone and 13 viewed the beast myself. 14 Do you have a computer programmer that is part of your 15 16 staff -Yes. 17 18 (Continuing) who operates that? 19 (Witness nods affirmatively.) 20 I take it your computer is programmed so that you have 21 the index numbers built into it that represent the 22 spawning levels and the catch levels at each point along 23 the season so that you just feed in your current data

and you get a comparison, you know, whether you are doing

better or worse than a previous season, is that right?

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Oh. we don't rely on a computer I don't think to quite that extent. We rely on the computer to spit out the figures quickly so that we can compare them using human judgment. We don't have every last item in a computer program so that all you have to do is punch the button 5 and you get the answer for managing the fishery. By no means. But I take it there is no question that you could, whether by human analysis or computer analysis, adjust your times and areas so as to allocate or provide 10 differing quantities of fish to different fishing users 11 in the process? 12 If the Court would tell us what we should do for the 13 Indian treaty fisheries, then we have the capability of 14 15 doing that, whatever it may be. 16 Well, you mentioned earlier that you were forbidden by State law to allocate; what is the source for that state-17 18 ment? None of the laws in our code book either point out a share 19 20 for any group nor does it give the director the authority to decide such shares. It is just not there. 21 22 On the other hand there is no prohibition against it, is there? 23 24 🛝 We do not do that which we do not have authority to do. 25 (Pause in proceedings.)

Q (By Mr. Ziontz) My learned colleague whispers in my ear that you allocate shares on the Columbia River, do you not?

On the Columbia River we try to give everybody an opportunity to fish, and we have never set out a particular number that this group or that group is to take.

Q Well --

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We try to see for instance that enough fish get through the lower river fishery that based upon our knowledge of the Indian fishery up above, with their capabilities and at the level at which they might fish during particular seasons, well, that they will be able to have a meaningful fishery, that their opportunity is somewhat equivalent to our peoples opportunity to catch fish. Well. I realize that when you say "opportunity" you are not delivering the fish by truck to the user, he's got to go catch those fish, so naturally it is an opportunity and he's got to avail himself of it; on the other hand your Department definitely takes responsibility for making an opportunity available at a time when it is meaningful, and concerning trying to fulfill responsibilities to different groups, for example, the State of Idaho, you have concern that if you don't make sure that Idaho gets fish. Idaho may not care about whether there is any fish that come back downstream, isn't that right?

You see, where we don't have good guidelines on what this fair share is, whatever it is, we hope that what we do cannot be challenged successfully either by the 3 Indians in Court or by the non-Indians in Court. is just the flat out best that we can do at this time. Are you saying that if you were pushed into admitting 6 that you really are allocating somebody might challenge 7 you and say that you have no Constitutional right to do 9 that? If we did in fact allocate they would be right. 10 11 Okay. You are aware that there is a contention of some 12 kind between the Lummi Tribe and this Department about 13 the North Half or the North End of Bellingham Bay as to whether or not those waters may legally be opened by 14 15 this Department to commercial fishing? I don't believe there is a contention, I believe there 16 17 is a misunderstanding about it. Could you explain the misunderstanding as you see it? 18 19 Yes. The northern part of Bellingham Bay, you are following a description in the treaty that describes a line 20 21 around the area, and when it comes to following the low 22 tide mark, and when it comes to Point Francis, it says 23 and thence to Treaty Rock. The Lummi Indians claim that 24 the line goes directly across the bay to Treaty Rock,

and our reading of it and as we understand it the

interpretation of it by the Federal Government is that all of the wording to that point is following the low tide line and the words say "around Treaty Rock" not "from". So the view is that the line continues to follow the tide line. Now, the Lummis claim that it goes across and that part of the bay is actually reservation. We have told them that if this is so, then our law is of no force and effect inside that line, and "You are perfectly free to run them out." but that "We have no jurisdiction doing this. " so that whichever. "If this is really yours, then go ahead. We don't care." But the interpretation we have from the Attorney General's office and the interpretation as we understand it from the Federal people is that the line does not go across the bay, but we don't really care, it is up to the Lummis. If that is reservation, then our regulation is null and void inside that line.

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MR. DYSART: Excuse me just a moment,
Al. You said a moment ago "around Treaty Rock;" I think
you meant to say around "Point Francis."

THE WITNESS: Yes, I am glad you corrected that.

(By Mr. Ziontz) Are you aware, Mr. Lasater, whether there was any time in the past when this Department did recognize that line on the diagrams and maps and charts,

that is, recognize this as a Lummi Preserve or Lummi Reservation area? 3 Not to my memory. I see. Did you plant the Nooksack River? 6 Yes. Have you always planted the Nooksack River? Not always. There was a time when we weren't here, but we have had a hatchery on the Nooksack for many, many 10 years. What I meant was, was there a period when you suspended 11 any planting operations because it was a river that was 12 adjacent to the Lummi Reservation? 13 I don't believe so. To the best of my memory we have 14 always planted out of the -- I mean, the Nooksack 15 I don't believe we Hatchery into the Lummi system. 16 have ever suspended plants there. 17 18 Where is that hatchery, Mr. Lasater? What the dickens is the name of the creek it is on? 19 I have lost the name of the particular creek. 20 21 Well. that's fine. Q. Are you aware of any problem with fish survival in 22 the Nooksack River as a result of pollution of that 23 24 river system? Bellingham Bay is polluted, and it is our opinion that 25

it affects the survival of the Nooksack River. How about the Nooksack River itself? 2 I am not sure of the situation right at the moment, but 3 there have been a number of problems on the Nooksack River itself from the agricultural industry. Has your Department taken any steps to improve that situation, to curtail pollution? We, of course, do not directly have it within our authority to curtail pollution, but we have worked for years with the old Pollution Control Commission and with 10 the present Department of Ecology to abate the pollution 11 in that general area. 12 You talk about your over-all function, your over-all goals; is it not correct to say that you accept a certain : 14 set of political and economic facts as given and try to work with those facts in order to achieve a maximum sus-16 tained yield of this salmon resource? 17 See, our authority derives from the Legislature, and we 18 do what we can, the maximum that we can within the :19 authority given us and the funds allotted to us. 20 Well, what I mean is, you inherit a fishery which has 21 certain people who claim property rights and a right to 22 participate in that fishery, purse seiners, gill netters, 23 trollers, sportsmen, and you are attempting to accommodate 24 all of those interests in that system and still preserve 25

the resource to return for another year, isn't that right?

- A Not exactly. We would tell them right away that they have no property right, that fishing is a privilege that they derive from the State ownership of the resource.
- Q Does that mean your Department entertains the view that you could close off the activity to any of the groups that I have mentioned, or would you have to close it off to all?
- No, we cannot pick out a particular group and close it to them. That is a legislative prerogative.
- 12 Q You say it is a privilege, but the Legislature can curtail the privilege?
- 14 A Yes, within Constitutional bounds.

the fisheries, is there?

- Do you make any recommendations to the Legislature in that regard?
- There are any number of bills that come up, and we point
 out the biological problems that may occur, and we point
 out to them problems that may occur, or constitutional
 problems if we see them, and try to inform them as fully
 as possible of these things and of the effects on the
 economy, social structure, whatever we may know about it.
 At present there is no restriction on entry into any of
- 25 A There is a small area that we can limit entry, and that

is if there's an absolute surplus of fish at some point we have to move the gear to it, and then we can limit 2 the numbers, and this is relatively new. Are you planting, that is to say is your Department planting any fish in either the Hoko or Sekiu River? 5 We certainly have. I would have to look up our recent 6 planting record. I don't know what the plants might be recently. We have planted those. Well, in what appears to be a general information bulle-9 tin of your Department, if I can find it, it is stated 10 that the Hoko River was netted or seined on a hit-and-11 12 run basis until 1952, when the Director of Fisheries was required by the Ninth Circuit to allow off-reservation 13 fisheries subject to State regulation, that the Makahs 14 set their regulations and the Department did not formally 15 16 adopt regulations, that this stream has been netted to 17 the point where only a few hundred salmon are caught annually, initially nine thousand Coho, and then one thousand to three thousand Coho were caught, until 1965, 19 20 that the catches were insignificant after this time, 21 that initially twenty-five to thirty nets were used, and 22 now only four to five are in place all the time during

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a run.

Is that statement and description of the Hoko situation still correct?

There is no date on it, sir. MR. ZIONTZ: George, can you tell me MR. DYSART: Well, it seems reasonably the case, but as far as the 5 numbers of people fishing and catch in recent years, I haven't really looked at it personally to remember it. (By Mr. Ziontz) Well, is your Department planning to 8 augment the natural production, present natural production of all streams where the Indian tribes of this 10 State have usual and accustomed fish rights? 11 All streams? 12 Right. 13 I would have to look at them one-by-one to find out if 14 it makes good sense in all cases. 15 Well --And whether we have the capability in all cases, and a 17 number of these considerations. 18 What limits are there on your capability? 19 Hauling distance, whether the particular stream is a good 20 spot to plant fish and make good utilization out of fish 21 returning, and any number of these things. 22 But your Department is now willing to engage in a planting 23 program to insure runs to these Indian rivers? 24

We are increasing our plants in this regard. We have

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What is the date on that, please?

always planted any number of streams that have supported Indian fisheries; never stopped. We have always done this. We are increasing this, for two reasons. One is that our capability to bring back hatchery fish has increased in recent years, and then in recognizing the treaty right where there are going to be off-reservation fisheries, well, a treaty right to us implies that the people should catch fish. Then it is a very nice place to pick up any surplus that we might have from a hatchery capability.

- 11 Q The over-all salmon resource in the waters of this State
 12 is added to by Federal hatcheries as well as State
 13 hatcheries, is it not?
- A To some degree. On Puget Sound there is one Federal hatchery.
- 16 Q Where is that located?
- 17 A Quilcene.

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- 18 Q I thought there was a hatchery at Quinault.
- 19 A Oh, that is not on Puget Sound.
- 20 Q I am sorry, I said the waters of this State.
- 21 A Oh. I was thinking of Puget Sound.

Yes, there is a Federal hatchery on the Quinault, and there's Federal hatcheries on the Columbia River.

Do you agree that it would be of over-all benefit to all of the fishing interests of this State if the total fish

resource were augmented from both sources, that is, State and Federal hatcheries? Of course. That is the case right now. So there is mutual benefit and cooperation is an asset to all sides? Absolutely. You have begun a program of establishing seasons for Indian fisheries, now designated specifically as such, is that right? Yes. 10 When did you begin that? 11 I don't remember the first year. It would have been 12 since the Puyallup case came down. That is a matter of 13 record but --14 Two or three years? 15 No, it's been longer than that, but it must be five or 16 six years at least. 17 So that you publish in your regulations a provision which 18 specifically says that there shall be a Nisqually season, 19 or there shall be a net season on the Nisqually River, 20 there shall be a net season at the mouth of Commencement 21 Bay or on the Puyallup River for Indians only? 22 Yes. 23 And in that regulation, do you set your opening date and 24 closing date? 25

Ĥ Yes. And that regulation is intended for the Indians only? Α. Correct. Have you enforced those regulations against Indians by Q arrests or seizures? When they fish during closed periods and such as this? Yes. Yes. we have. Can you tell me if there have been sufficiently few that you could remember in which cases or what rivers or what 10 tribal groups you have made arrests for violations of 11 your regulations? 12 I don't remember a violation of the Squaxin agreement. 13 Meaning that there are few enough at least so they haven't 14 come to my attention, not meaning that there have been 15 There have been arrests on the Nisqually River, 16 some arrests of Nisqually Indians, but I think more .17 arrests of other people fishing as much in protest I 18 think of State regulations. There have been arrests on 19 the Puyallup, where we have gone through a tremendous 20 legal exercise of who has the jurisdiction, and it has 21 been a rather bad situation, as the notion of who has jurisdiction has shifted back and forth. 23 As between what persons or what groups? 24 Oh, the State Court saying the Reservation does not exist, -25

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and then we set an off-reservation Indian fishery, which operated until the Indians and the Federal Government said that Yes, the Reservation does exist, so that we had two sovereign entities with different viewpoints and the Indians caught in a very bad situation where they were listening on the one hand to the Federal Government and we on the other hand had a State Court ruling, and it was a rather impossible situation. Basically, though, the Governor and the Director said that since it is an impossible situation for Indian people that we will back off until the Reservation jurisdiction matter is settled, so that changed.

You mentioned that there was a Squaxin Island agreement and that there were no violations or there were so few people that it didn't come to your attention that there were any violations --

Yes.

(Continuing) is it correct to call that an agreement?

Oh, it is under regulation, but the regulation has been arrived at by negotiation with the tribe.

Are there other cases where this has occurred, that is, a regulation arrived at after negotiation with the tribe? Yes. There are varying degrees of agreement. The Nisqually regulation, while not entirely agreed to by the tribe, was arrived at after negotiation. We have an

area for fishing Coho off Everett for the Tulalips, which was negotiated, but then we adopt regulations or else we don't have anything. I think that the Makah regulations were negotiated, while degree of agreement I met with the Quillayutes, and the Hoh, and the boundaries there were a matter of negotiation, while I wouldn't try to tell you there was complete agreement. Would your Department have any objection if a tribe utilized its own patrolmen to observe the compliance or non-compliance of its own members with the tribal regulation on these off-reservation sites? No objection whatsoever. There was a plant on the Nisqually River which was widely publicized: when was that, last year? I am quite sure we announced the plant that we made last year, and probably the year before. I would be almost certain of it. Well, in the case of the plant that was made last year, which was announced, do you recall the size of that plant, that is, the number per pound? No, because it would have varied. We made a series of plants, and the earlier plants were small fish. later in the season the fish would have been larger. From memory I would say that we made a series of plants

starting with small fish early in the season and progressing

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to larger seaward migrants later in the season.

Q The small fish, do you remember what size they were?

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It has been referred to me that at least one of these plants was a plant of a grade of fish which was surplus to hatchery standards because it was so small that its survival rate was insignificant.

Oh, the survival rate would have been lower than the later plants, but what we do many times is fill the hatchery to capacity with small fish, and then as the fish grow you have to plant some of them out because you can only have so many pounds of fish. Numbers aren't important, it's pounds. So as they grow, then you start planting out, and your degree of survival is lowest with early plants and increases with the later plants. But, you see, your total catch and total return is going to be greater because you actually do plant out these larger numbers with a lower survival. Then later smaller numbers with a higher survival. You get your greatest total return by doing this. That is why it is done. Isn't it true that plant was of a size that was smaller than ninety to a pound, it was more like twelve hundred or fifteen hundred to a pound?

A I don't remember their size.

Q Well, as an over-all policy matter your Department in

augmenting Indian production for Indian rivers is going to attempt to plant fish that have as good a survival rate as you will plant any place else?

A Oh, sure.

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May I point out that we would have planted that some place. We didn't have to plant it on the Nisqually. They would have gotten no fish back from them if we had planted them somewhere else. Now, they will get fewer fish than if the fish had been reared longer, but we didn't have the capability to rear them longer. That is why they were being planted. We put them where the Indians got a crack at them. If we'd have planted them for instance in the Green River, they would have contributed to other fisheries but not to any specific Indian fishery.

MR. ZIONTZ: That is all I have.
MR. PIERSON: Off the record for a

moment.

(WHEREUPON, there was an off-the-record discussion.)

EXAMINATION

BY MR. GETCHES:

Mr. Lasater, during questioning by Mr. Pierson you indicated that during the not too distant past the

Department of Fisheries had realized an obligation to a user group, that is, the Indian fishermen, that had not previously been realized, and that certain actions had been taken for various reasons that had enhanced Indian fisheries since realizing that obligation; first of all, is that a correct statement that I made, paraphrasing your earlier testimony?

A I think it is reasonably accurate.

- All right. Were studies done or was research done specifically to determine ways in which Indian fisheries could be enhanced following the realization of this obligation to Indian fishermen?
- A I would say yes, with the qualification that we didn't make them as in a large sense a special project which got a separate writeup, they were part of our over-all work, but the staff was told that they had a new client, and they were told that we had to be able to justify our regulations as being reasonable and necessary for conservation, whatever interpretation that means, and that they had an additional burden that they had to assume in setting regulations. So this was done.
 - Was any review made of existing regulations to determine the impact or effect of them on Indian fisheries?
- A That would have been part of the procedure, yes.
- Q There was an over-all review made then of --

A I can be certain of it. That is automatic when you hand this kind of a job to your Fisheries Managers.

There is going to be an additional impact. Then they have to review the rest of the fishery. It has to be done.

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- Q Did this take the form of any specifically identifiable studies or research projects within the Department?
- A I am not sure whether I can specifically identify say
 a final paper with a signature on it. It is more of a
 Department effort, where we use all of our expertise
 and knowledge at hand, which is considerable, to sit down
 and judge these things.
- Q On a continuing basis then your people are under instructions to constantly keep in mind the impact on the Indian fishery?
- A Yes, and we have set up additional capability in that we have assigned a biologist full-time to deal with the Indian fisheries, get to know the Indian fisheries and the Indian people, and to bring together our total Department expertise in the matter and use it to point out where we can and should have such fisheries and how we may manage them.
 - Did your comprehensive review of existing regulations, some of which may be regulations that have been around for a very long time, result in the changing of any

regulations specifically because of an adverse impact that they might have on Indian fisheries?

No, not to that extent. I think we went the other way, that we adjusted our over-all fishery, but what we did do -- as an example, set nets are not allowed under State law, set gill nets, but when we said we were going to have to review this as being necessary for conservation, then our view was that set nets, or the prohibition of set nets due to social legislation -- well, our view was that the treaty was paramount in this case, so the

Department of Fisheries now allows set nets for Indians

in its regulations where they are strictly prohibited

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under State law.

You mentioned some instances where Indian fisheries had possibly been enhanced by action taken by the Department did any of this action result directly in a curtailing or reduction in non-Indian fishing through changes in the regulations?

As we heard it loud and clear from the fishermen that used to fish East Pass when we closed it, so they were definitely curtailed, they can no longer fish there.

Are there other examples besides the East Pass closing?

While it is a little different situation, the Makah fishery, troll fishery, that is fish which would be available to all citizens at a later time.

This isn't a recent change, though, is it, in the Makah situation? That has been -2 What do you mean by "recent"? Well, it has been a long-standing practice by the Makahs hasn't it, this troll fishery? During a closed period? No. they have always trolled there, but there was a closed season for, gee, a very, very long time, and it's only in recent years, since the Puyallup decision, that we have set up a year-around 9 troll fishery for Makahs near the Reservation. 10 You mentioned a special fishery for Nisquallys, a net 11 Q. fishery; was that confined exclusively to Nisqually 12 fishermen, or is that open to other fishermen in the 13 State? 14 It was confined to Nisqually Indians at their request, 15 and we told them at the time that we weren't certain that 16 they were the only Indians that had a treaty right there -17 but that we would put it down that way and we would take 18 a run at it and if we ended up challenged in Court, the 19 Nisquallys might have to come in Court and testify, so 20 it's at their request. 21 Mr. Pierson asked you about a Fraser River study that 22 went to the question of the capability of nets and their 23

impact on the fishery; do you have a copy of that, or can

you tell us where we can obtain a copy of that study?

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A Should obtain it from the Salmon Commission. It is their study.

Q I see. And it would be available from them?

A I am certain that it would.

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What information did the Fisheries Department obtain about or from the Indian fishermen in the instances where special Indian net fisheries were established, such as the Nisqually situation?

Well, see, we have met with the Nisqually tribe off and on for years and see their fishermen and know a good deal about them, so I can't really relate our knowledge to your question.

Well, specifically, did you obtain information or did you already have information on the approximate number of fishermen that would utilize the fishery, the type of gear that they would use, the times that they would be utilizing it?

Yes, we had a reasonable amount of information, and then the tribe told us about how many people would fish in the fishery, and much of the information actually came from the tribe, and we told them that we would put in a minimal amount of restrictions in the fishing area, and if they fished with reasonable restraint then further restrictions wouldn't be necessary, if they moved in a tremendous fishing effort then we would have to take

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another look at it, so a lot would depend on what they did, and so we used their word and followed some of their requests on mesh size, and they requested a weekend closure, so some of the restraints that are in our regulations were asked for by the tribe. For as long as you have been with the Fisheries Department Steelhead have been without the regulatory authority of the Fisheries Department, isn't that correct? I believe it was in 1935, that Steelhead were made a game fish. Do you have a fairly comprehensive knowledge of the biology and migratory and spawning habits of the Steelhead? Reasonably so. Do you know of any biological reason why Steelhead should be regulated separately from other anadromous fish that are utilized for sport fishing? There are a number of biological considerations. Now, how they would be applied. I have never studied it, but they are far less abundant than salmon, and that has got Their spawning run is over quite a different period of the year. They spawn in the spring instead of the fall under quite different water flows and temperatures. So there are any number of considerations to be taken into account.

Would the Department of Fisheries in your opinion be

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capable of managing the Steelhead resource? Given some time to acquire the data and expertise and 2 experience, yes. Instantly I would say that we wouldn't be as good at it as we would want to be. Would you be as good at it as the Game Department? I can't answer that question. I don't know. Can you conceive of particular factors that would argue in favor of transferring the regulatory authority over 9 Steelhead to the Fisheries Department? 10 I can conceive of any number of pros and cons on that A. 11 question and it could be debated for days. 12 Is it your personal opinion that it would be a more 13 efficient and effective management of the resource if 14 it were transferred, given the proper time to make 15 adjustments and so forth in the operations here? 16 I have carefully avoided forming a personal opinion on 17 that subject. I leave it strictly alone. 18 Can you conceive of regulations that would make an 19 Indian net fishery for Steelhead feasible in terms of 20 conservation goals, that is, preserving a resource? 21 Pardon me? I wasn't really listening to that question 22 because I should say that on the former question on par-23 ticular instances I have often commented off the cuff as a fisherman and whatever on what I thought of a par-25 ticular regulation by the Game Department and I wouldn't

want to hide that from you. Very well. I am sorry. That is all right. The question that I asked was, can you conceive of regulations that would make an Indian net fishery for Steelhead feasible in terms of the conservation goal of maintaining the resource? I don't know. Maybe given some time and study and data 8 I could. Do you think then that there could be regulations that 10 would make an Indian net fishery such that it wouldn't 11 necessarily wipe out a run of Steelhead? 12 I am just not qualified on Steelhead to that extent. 13 All right. Would it be fair to say that the over-all 14 goal of the Fisheries Department is conservation? 15 Yes, because you can define conservation in a hundred 16 ways, and it certainly is. 17 Would you define conservation in the terms which this 18 Department applies? 19 The basis for the total pattern is that you get 20 your spawning escapement, so it is a renewable resource 21 and you can count it, and the resource should be main-22 tained as best you can through maintenance of the natural 23 environment and the control of pollution and the sub-24 sidiary things to protect habitat. The enhancements of 25

is to be carried on. The regulation pattern itself so that the fish are useful to people is an aspect of conservation. Then to prohibit fishing practices which would be destructive in themselves is important. An obvious thing, you should not dynamite the hole. You not only get incomplete recovery but you kill everything else in the food chain. So we have on the one hand the maintenance of the resource basically, and on the other hand those practices which lead to wise use of the resource for people.

- Would it be fair to interpret wise use as meaning obtaining a maximum yield from a resource for peoples' use?

 Maximum yield is one goal, but there are social benefits also besides poundage yield that should be taken into account. People do things because they want things that way, and they may tell us how they want them through their laws and we don't have to agree that it is the wisest choice.
 - All right. Well, if we were to take your definitions, putting a high priority on maintaining and enhancing the fishery resource, and also maximizing production, but just leaving aside for a minute the social goals, then your mission would be to get as many fish as possible produced out of every run without harming escapement

goals, is that right?

A That is correct.

Now, as a person familiar with fishing methods and the peculiarities of the fish resource, what is the most effective fishing method that you can conceive of to obtain the largest number of fish possible out of every run without damaging escapement goals? Now, we are setting aside the social aspect of who gets the fish.

Are you talking about salmon when you say "fish"?

Q Let's talk about salmon, yes.

All right. It would be some combination of gear, and I am not sure what the combination would be. I think that if that was your sole goal, was fish production, and you used some traps in some areas, I think they would be impractical. For instance, Elliot Bay is not a good place to put fish traps any more. There are many other considerations. There are some areas where a fish trap would have to work on a number of streams. I am not sure it would be suitable in all cases. For instance, if you had a group of fish held to a relatively small stream it might not be practical to put in a trap. Perhaps in that case a seine or gill netting makes much more sense than the bigger gear. I think you would work out a combination of gear by regions or areas in that case. I have never attempted to try to work out such a total pattern.

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But probably some combination of traps and gill nets, as you indicated? And possibly seines also. Possibly seines. What would be the location to obtain Q. optimum yield as we have defined it? I have got to add another definition, and that is quality 7 of the fish, because they do change quality rapidly as they migrate, and I don't mean just for sale price, I 9 mean, they lose oil, the oil content, and the actual food value goes down as they approach spawning time, so 10 at some point you would want to back away from the river 11 12 mouth to give your highest food yield, total food yield. I see. But your answer in terms of location would be --13 It would take a great deal of research and hard work to 14 15 determine the exact location for the optimum yield of 16 your fishing operation in a given situation, and we have 17 five species, and it would vary by species also. Would it be in the general vicinity of the river mouth 18 19 in each case, though? -20 Not in each case as meaning every case. I think in some 21 cases you would want to get back away from the river 22 mouth. Generally speaking, would a river mouth be close to an 23 24 ideal position? 25 Now, I am thinking for instance of the Chums in the

Willapa, we darn near had a batch of Chums condemned there by the Public Health man, and we had to convince him that is how black they are when they get there. They have always been that way. Now, if those fish were taken considerably further away from the river, instead of getting two bits a pound for instance based upon quality the fisherman might get thirty, thirty-five cents a pound.

MR. GETCHES: I don't have anything

further.

EXAMINATION

BY MR. HOVIS:

I think, Mr. Lasater, you and Mr. Pierson adequately discussed or at least explored the area that I was talking about in regard to where to take the harvest, and I won't spend any more time with you on that, but one of the things in your questioning that left me confused is, there are not more Chum than there are Steelhead, are there?

In many areas there are, yes.

I am talking about within Washington State and within the Puget Sound fisheries.

Oh, I bet that the Chum run on the Nisqually exceeds the Steelhead run several fold. I think there are areas in

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- the Willapa and Grays Harbor where the Chum runs exceed the Steelhead run in numbers.
- Talking about specific areas, but there are more Steelhead within the exterior boundaries of Washington State
 than there are Chum?
- 6 A I am not sure.

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- 7 Q I see. You don't have the figures on what it is?
- 8 A No. I would have to put the figures together. I am not 9 all together sure.
- 10 Q I see. And what is your estimation, do you have an idea
 11 about this in regards to Sockeye?
 - A I will bet when the run of the Fraser River gets over twelve million I think we are probably exceeding the total State Steelhead run, but I am just estimating, guessing.
 - Q Within the exterior boundaries of the State of Washington, the waters within the exterior boundaries of the State of Washington?
 - A Yes. I am not sure how many Steelhead there are but twelve million is an awful lot of fish, and sometimes the Sockeye run of the Fraser, well, we have had a total harvest of twelve million, so there must have been many more than that. I can't be assured of my answers in this regard.
- 25 Q I see.

A I don't know how many Steelhead there are, I really don't.

That is understandable. The only thing I wanted to limit, when you were talking about their being more Chum than Steelhead, you were speaking about a specific area, specific river?

A I believe --

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You don't have the figures for State-wide?

I believe I made two statements, one, I think I was talking about the Nisqually when I said Chum, but I made the statement that in a given stream we expect salmon to outnumber Steelhead under any natural conditions. They just plain do. For instance, where Coho and Steelhead are in the same stream, and referring to statements I have heard from the Game Department as well, apparently there are about five times as many Coho as there are Steelhead under an average condition in a Puget Sound stream.

So when you were speaking about salmon you were not speaking about a specific species of salmon, but you wanted to limit your testimony to all races, runs, and species?

When I made that statement I was talking about salmon in general compared to the total abundance of Steelhead, yes.

Thank you very much.

MR. HOVIS: That is all.

EXAMINATION

BY MR. DYSART:

- Mr. Lasater, would it be fair to say that the habitat protection and improvement effort would be similar for salmon and Steelhead, that is, work that would benefit one would also benefit the other?
- A It would tend to. Not entirely but it would tend to.

 They would overlap a great degree.
- 9 Q Same type of activity?
- 10 A Yes.
- Now, you earlier referred to a long list of streams
 which have both salmon and Steelhead; is there any interagency arrangement as to which agency will engage in
 habitat improvement on which stream?
- 15 A No.
- You are funded from different sources; is there any
 attempt to divide this work up so that one agency bears
 part of the cost of habitat improvement in some areas
 and --
- 20 A No, there is no effort to divide it up.
- Q Do you have any idea the extent of habitat improvement expenditures and effort by your Department as compared with that of the Game Department?
- 24 A I have never seen any figures of this type. I have seen 25 our figures.

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Do you do more than they do, or less than they do? I think we do more. Several times more, or roughly comparable? I have never seen their figures so I really don't know. Do you encounter their activities in particular watersheds, where you know when you are going in to do your activities that they are also doing something on that watershed, or you consciously know they are not? I don't know one way or the other usually. It would be 9 our stream improvement crews that would specifically 10 encounter them in any area. 11 But there is no formalized division of responsibility 12 between the two agencies or an attempt to equalize out 13 expenditures or anything of that kind? 14 No, nothing of that sort. 15 I see. 16 That is all. MR. DYSART: 17 MR. CONIFF: I have no questions. 18 MR. PIERSON: Thank you very much. 19 Mr. Lasater. 20 21 EXAMINATION 22 BY MR. McGIMPSEY: 23 Are you aware - in response to George's questions here -24 of any coordination between the Game Department and the 25

Fisheries Department as far as regarding hatcheries or stream improvement on the Yakima River or any other rivers where our personnel might work with the Game personnel? Oh, absolutely. Under the Hydraulics Code, where we attempt to control the activity of citizens that would affect the stream so we can jointly protect the resource, well, the Hydraulics Code applies both to Game and Fisheries, and we share that back and forth as it applies to the protection of the stream from the effects of civilization largely or flood control efforts, things of that type, and work concerning dams and things before the Federal Power Commission, working jointly concerning the power plant Siting Council, many things of that type that have to do with the protection of the environment.

FURTHER EXAMINATION

18 BY MR. GETCHES:

- The only specific project that you have is the one that
 you mentioned on the Yakima River then that's undertaken
 under the Hydraulics Code?
- 22 A I didn't even mention it.
- Q I think counsel mentioned it. I thought that is what you were defining.
- 25 A On the Yakima, well, I don't remember who said the Yakima.

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$\mathbb{P}(\hat{\boldsymbol{l}})$		We do this all over the State, anywhere in the State,
2		under the Hydraulics Code.
3 .	Q.	Approximately how much is expended out of your Departmental
, 4	:	budget on these projects annually?
5	A	I don't know. I would have to look in the budget. It
6		is all documented, but I sure don't commit budget docu-
. 7		ments to memory.
8	Q	What would it be found under in the budget, what is the
9		designation?
10	Α	It would be under Salmon, and then further broken down
11		into Resource Protection.
12	Q	All right.
13		MR. GETCHES: That is all.
14		THE WITNESS: My titles might not be
15		precise, though.
16	,	MR. GETCHES: That is fine. Thank
- 17		you very much.
18		THE WITNESS: Okay.
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CERTIFICATE

STATE OF WASHINGTON

SS.

I, EUGENE E. BARKER, Notary Public in and for the State of Washington, residing at Tacoma in said County and State, do hereby certify:

That the annexed and foregoing deposition upon oral examination of J. E. LASATER was taken before me and reduced to typewriting under my direction, said deposition upon oral examination being taken at Olympia, Washington, on the 29th day of March, 1973, being completed on said day.

I further certify that all objections made at the time of said examination, to my qualifications or to the manner of taking said deposition upon oral examination, or to the conduct of any party, have been noted by me upon said deposition;

I further certify that I am not a relative or employee or attorney or counsel of any of the parties to said action, or a relative or employee of any such attorney or counsel, and that I am not financially interested in the said action or the outcome thereof;

I further certify that the above-named witness, before examination, was by me duly sworn to testify the truth, the whole truth and nothing but the truth;

I further certify that the right of said witness to read and sign the said deposition after the same was fully transcribed was reserved;

I further certify that said deposition upon oral examination, as above transcribed, is a full, true and correct transcript of the testimony of said witness, including all questions and answers, and all objections, motions and exceptions of counsel made and taken at the time of the foregoing examination;

I further certify that I am herewith securely sealing said deposition in an envelope, with the title of the above Cause thereon, and marked, "Deposition Upon Oral Examination of J. E. LASATER," and causing the same to be delivered to the Clerk of the above-entitled Court.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal this ______ day of April, 1973.

Notary Public in and for the State of Washington, residing at Tacoma.