

PAY Trip

11.10.08

# EXXON VALDEZ OIL SPILL TRUSTEE COUNCIL

Fourth Floor Conference Room  
645 G Street  
Anchorage, Alaska

PUBLIC MEETING

ON

FY2000 DRAFT WORK PLAN

July 15, 1999  
7:00 o'clock p.m.

## PARTICIPANTS:

Mr. Chuck Meacham, Chairman, Public Advisory Group  
Ms. Molly McCammon, Executive Director, EVOS Trustee Council  
Dr. Robert Spies, Chief Scientist  
Ms. Rebecca Williams, Executive Secretary, EVOS Staff  
Ms. Sandra Schubert, Director of Restoration, EVOS Staff  
Mr. Hugh Short, Community Facilitator, EVOS Staff  
Mr. Dan Hull, Public Advisory Group  
Mr. Dave Cobb, Public Advisory Group  
Ms. Brenda Schwantes, Public Advisory Group  
Mr. Jim King, Public Advisory Group  
Mr. Ed Zeine, Public Advisory Group

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

TABLE OF CONTENTS

PUBLIC TESTIMONY

|                                     |    |
|-------------------------------------|----|
| Mr. R. J. Kopcheck (Telephonically) | 04 |
| Mr. Gary Thomas (Telephonically)    | 06 |
| Mr. Grant Baker                     | 15 |
| Mr. John French                     | 22 |

P R O C E E D I N G S

(On record - 7:00 p.m.)

CHAIRMAN MEACHAM: Good evening, I would like to open the public hearing on the FY2000 Draft Work Plan. And what sites do we have on line at this point?

MR. KOPCHECK: Yes, good evening, this is R.J. Kopcheck, I'm calling you from Cordova, I'd like to testify, please.

CHAIRMAN MEACHAM: Okay. Just a moment R.J. Are there any other sites on line?

MR. THOMAS: Yes, good evening, this is Gary Thomas and I'm in Cordova also and I'd like to testify this evening.

CHAIRMAN MEACHAM: Thank you, Gary. Any locations other than Cordova?

(No audible responses)

CHAIRMAN MEACHAM: And how many individuals here would like to testify? Two, okay.

All right. We'll begin then and go ahead, Cordova and Mr. Kopcheck.

CONFERENCE OPERATOR: Rebecca?

MS. WILLIAMS: Yes.

CONFERENCE OPERATOR: Could you give me your phone number, please? This is the conference operator.

MS. WILLIAMS: 278-8012.

1 CONFERENCE OPERATOR: Thank you so much.

2 MR. KOPCHECK: Okay, good evening, this is R.J.  
3 am I back on now?

4 CHAIRMAN MEACHAM: Yes, go ahead, R.J.

5 MR. KOPCHECK: Okay, thank you very much. My  
6 name is R.J. Kopcheck and I live in Cordova, I've been a  
7 resident here for 25 years. I'm a commercial fisherman here  
8 and I recently went to work for the City of Cordova as the City  
9 Planner. I'm fairly well informed on issues relating to  
10 fisheries, fisheries management and the ecosystem as how  
11 critical certain links are in our food web relating to both  
12 fisheries management and relating, as well, to sea lions, seals  
13 and other marine mammals.

14 I would like to, this evening, speak in favor of a  
15 proposal that's been offered to you from Mr. Gary Thomas and  
16 Mr. David Shield, relating to an investigation of interaction  
17 of both herring and pollock and sea lions and other consumers  
18 in the Sound. It's a valid proposal, I think it's real  
19 critical and important to our ability, locally, to continue to  
20 look at the resources and to manage them. Fishing is the life  
21 blood of Cordova, it has been for 100 years and we have nothing  
22 else in our future but commercial fishing to provide this  
23 community with a livelihood. These kind of researches are  
24 directly related to our ability to manage those resources, both  
25 for their own well being and for the well being of the economy

1 of the community.

2           And this proposal fits, so I have to ask you folks at  
3 the public council there, at the review council, to do your  
4 best to talk to the Trustees about this proposal and let them  
5 know that it fills a real need locally and I think it has been  
6 unfairly judged without, I think, consideration of its local  
7 need applicability.

8           So that's what I would like to speak to this evening.  
9 I see that there are concerns relating to non-science issues in  
10 the science director's review of this proposal and I would hope  
11 that the public committee would ignore issues relating to  
12 finance. I don't think the Trustees get to set caps on costs  
13 for salaries or performance, and that's another concern of  
14 mine. This is good science and it shouldn't be left on the  
15 wayside, and we desperately need it to start this year.

16           So I think that just about ends my comments, I'd be  
17 happy to answer any questions anyone has relating to  
18 (indiscernible - lowers voice).

19                   CHAIRMAN MEACHAM: Thank you, Mr. Kopcheck.  
20 There is a question. Dan.

21                   MR. HULL: R.J., are you talking about the  
22 overwinter foraging and ecology of injured marine pipavords in  
23 Prince William Sound?

24                   MR. KOPCHECK: Yes, I certainly am. I'm sorry,  
25 I didn't specifically read that in and, yes, I am specifically

1 addressing that proposal.

2 CHAIRMAN MEACHAM: That's proposal 557BAA?

3 MS. McCAMMON: Uh-huh. (Affirmative)

4 MR. KOPCHECK: That's correct.

5 CHAIRMAN MEACHAM: Thank you.

6 Dan, did you have any other questions?

7 MR. HULL: Not right now.

8 CHAIRMAN MEACHAM: Any others?

9 (No audible responses)

10 CHAIRMAN MEACHAM: Thank you very much.

11 MR. KOPCHECK: Thank you very much for taking  
12 my testimony.

13 MR. KOPCHECK: Next person in Cordova, please.

14 MR. THOMAS: Yes, this is Gary Thomas and I was  
15 one of the co-PIs on the overwinter foraging and ecology of  
16 injured marine pipavords in Prince William Sound and the  
17 effects of winter food limitation on recovery. I co-authored  
18 that proposal with David Shield, that's 557BAA.

19 I received all the reviewers' comments and went through  
20 them and I've actually sent the Chief Scientist some rebuttal  
21 on some of the information. And what came out real clearly is  
22 that the reviewers didn't really appreciate the significance of  
23 the overwinter surveying capability. The literature on our  
24 declining sea lion populations and declining harbor seals and  
25 year populations in the Pacific Northwest -- or actually the

1 North Pacific Ocean, have almost exclusively been done in  
2 summer months. And this is in spite of real good knowledge  
3 that overwinter survival is probably one of the most critical  
4 aspects in the process of these fish-eating predators to be  
5 able to forage successfully and what they forage on in the  
6 winter is a critical process to understand. There's no  
7 information on this.

8           It was real clear that the peer reviewers didn't  
9 understand that the wintertime situation in Prince William  
10 Sound where these predators are aggregated on concentrations of  
11 herring and pollock, it is a much simpler forage scenario than  
12 during the summer. During summer months, spring through  
13 probably early fall there a trem -- the nearshore assembly to  
14 fish that are available as forage to these sea lions, seals,  
15 killer whales, the whole gambit of these nearshore predators,  
16 is -- the assemblage is very diverse. There's basically in the  
17 spring -- there's the migration from depths up to the nearshore  
18 areas by several different -- just a whole array of different  
19 species which become available to mammals and birds to feed on.

20           However, in the winter it's really different. Most of  
21 these species that are available during the winter are now down  
22 at depth and as a result birds and mammals have to focus -- the  
23 ones that are feeding on fish have to focus their time and  
24 energies finding these real large aggregations of overwintering  
25 fish, like the pollock and the herring. And after six years of

1 winter surveys in Prince William Sound, we have a real good  
2 idea where these fish are distributed, the herring and the  
3 pollock are distributed, and we've made a lot of casual  
4 observations on just the overwhelming numbers of different  
5 species, the predators, the whales, the birds, the sea lions  
6 and the seals, feeding on really large aggregations of Pacific  
7 herring.

8           In contrast our casual observations suggest in areas  
9 where you have maybe four to five times the biomass of walleye  
10 pollock, we don't see an abundance of predators feeding on  
11 them. In fact, we don't see very many fish predators anywhere  
12 else but on these very large concentrations of herring. This  
13 is not documented in the literature. It's a very little -- a  
14 poorly understood phenomena, yet probably every fisherman and  
15 everybody that has been involved in the herring fall, winter  
16 and early spring state fisheries knows that this is just a  
17 phenomenal event that occurs every year. And it's something  
18 that has never been documented, and after six years of acoustic  
19 surveys out here we've developed the -- probably the only area  
20 in the North Pacific where we really understand the forage fish  
21 abundance and distribution and what the animals are really  
22 focusing in on.

23           So I'm just -- I sent the rebuttal comments to the  
24 Chief Scientist and I'm looking forward to some response, but  
25 the initial recommendation was not to fund it.

1 CHAIRMAN MEACHAM: Okay, thank you, Gary. Any  
2 questions of Gary? Yes, Ed.

3 MR. ZEINE: Yes, this -- Gary, this is Ed. I'm  
4 looking at the comments on the spreadsheet here and one them --  
5 I have two questions for you. One is that the Chief Scientist  
6 felt that the -- what information you would develop would not  
7 be dependant enough to be used and also he spoke to a large  
8 amount of money in the senior salary basis. Do you want to  
9 speak on those two specific items?

10 MR. THOMAS: Yes. And I have extensive  
11 comments in my rebuttal. The first, though, I'll take on is  
12 the statement that our information would be incorrect. Well,  
13 you have to understand that most of the marine mammal research  
14 that's being done at the Alaska SeaLife Center, at the  
15 University of Alaska-Fairbanks, Marine Mammals Consortium, are  
16 all process experiments. They try to understand how  
17 individuals feed and survive on certain diets. There's very --  
18 in fact, I don't know of any studies in the environment where  
19 they've actually measured the -- and known the population size  
20 and distribution of the forage fish that these animals -- that  
21 the populations are responding to. So it's a line of research  
22 that hasn't been conducted because it's very difficult to do.  
23 They need the new acoustic techniques that allows the survey of  
24 the forage animals and they need to couple those with  
25 traditional sampling techniques to do population assessments

1 and counts of the bird -- of the predators, the mammals and the  
2 birds.

3           Now, this isn't indirect information, this is direct  
4 measures of abundance and distribution. It's stuff that can be  
5 put into hypothesis testing and yield results. Process  
6 experiments, on the other hand, are very difficult to put into  
7 statistical framework and make decisions with because they're  
8 usually -- when you put a videocamera or a tag on a single  
9 animal all you do is get one point, and they're very expensive  
10 efforts. And what most of the reviewers have said is that, you  
11 know, they're familiar with process but unfamiliar with the  
12 opportunity we have out here to do the population levels  
13 experiments. And you really need to have both the process  
14 experiments and the population levels understanding to really  
15 make -- to ever get to any conclusion on any of this research  
16 and, hopefully, in the future we'll get these two, the sort of  
17 ecosystem and population level information, coupled with the  
18 process experiment, but it's a real challenge to get the  
19 researchers to cooperate and the sponsors to fund this.

20           And, on the other hand, nobody has done this really in  
21 the summer and we've actually developed the techniques where  
22 we're going out in the winter when nobody has gone out before  
23 and looked at this process. And so -- because we're fortunate,  
24 we're right here onsite, we don't cost anything, nobody has to  
25 fly in to do the research at this location, we can take

1 advantage of windows of good weather during December, January  
2 and February and we can go out and in about six hours be on the  
3 grounds and doing these studies. And so we've developed the  
4 techniques, we have historical background and we understand the  
5 problem from the fact that we've been out there and watched it.  
6 And several marine mammologist that we've talked to are  
7 extremely excited about future collaborations on this.

8 CHAIRMAN MEACHAM: Okay. Thank you, Gary.

9 MR. ZEINE: Thank you very much, Gary.

10 CHAIRMAN MEACHAM: Other questions?

11 UNIDENTIFIED VOICE: Maybe he wants to -- he  
12 didn't address the large amount of senior salary.

13 CHAIRMAN MEACHAM: Gary.

14 MR. THOMAS: Yes.

15 CHAIRMAN MEACHAM: Do you want to address the  
16 large amount of -- apparently large amount of senior.....

17 MR. THOMAS: Oh, the PI salaries, yes.

18 CHAIRMAN MEACHAM: .....senior salary?

19 MR. THOMAS: Several of the reviewers said that  
20 there were too many -- too much principal investigator's salary  
21 in the budget. Well, first, I have two and a half months of  
22 salary per year in this budget and David Shield had four  
23 months. In looking at that, that amount of time, to do this  
24 kind of work is very minimal. Now, as far as the salaries, our  
25 salaries are directly comparable to that of any of the

1 universities and that's how our board of directors at the  
2 Science Center set salaries, establishes them. And so we're  
3 not out of line with the universities as far as total amount.  
4 And the amount of time that we have in these projects is  
5 minimal to get the job done. What is different about the kind  
6 of projects that we're doing is that when you hire the Science  
7 Center to do the work you get the experts, we don't have  
8 graduate students and we don't have trainee on this, we have a  
9 bunch of professional people that are highly skilled, so  
10 there's no start-up time, we can go out and get things done  
11 quickly.

12           And the comments were relatively unfair because if you  
13 look at our lower indirect cost rate that we have on our  
14 proposal, the fact that people don't have to fly in and commute  
15 to the research location, the fact -- you know, many other  
16 factors that come into the equation, the Science Center is very  
17 competitive as far as costs.

18           CHAIRMAN MEACHAM: Thank you, Gary. Dan.

19           MR. HULL: Yeah, for my benefit, Bob, if you  
20 set aside the issue of cost effectiveness, what do you see  
21 would have to change in the study design to make it a project  
22 worth considering.

23           CHAIRMAN MEACHAM: Dan, we're going to talk  
24 about these projects as a group tomorrow.....

25           MR. HULL: Okay.

1                   CHAIRMAN MEACHAM:   .....and it's probably  
2 better to address it then and we'll just take the testimony  
3 tonight, unless you have a very brief response?

4                   DR. SPIES:   Well, I'd have to look at the  
5 comments again. We have a -- in case people don't understand  
6 how the process works, we have a panel of experts that get  
7 together, a core peer review team, we bring other people from  
8 the Outside. In this case we have two or three different  
9 reviewers and those result -- the comments there reflect the  
10 advice of the peer review panel, so I'd have to go through the  
11 individual comments and see the rebuttal that Dr. Thomas has  
12 provided us. I don't want to give the public the idea that  
13 this was not a good proposal, it was a good proposal. It has  
14 some weaknesses which we felt we should, at least, identify for  
15 the, whether they think they're fair or not, for the proposers.  
16 It is a public process and we do have many excellent proposal,  
17 we can't fund them all, this just came out a little bit lower  
18 on the scale. Not that the program is not important. Not that  
19 their people are not professionals that do good work, it just  
20 came out a little bit lower priority than some of the other  
21 ones.

22                   MR. HULL:   Okay.

23                   CHAIRMAN MEACHAM:   Thank you. Other questions  
24 for Gary Thomas in Cordova?

25                   (No audible responses)

1 CHAIRMAN MEACHAM: Thank you very much, Gary.

2 MR. THOMAS: Thank you very much for the  
3 opportunity to give public testimony.

4 CHAIRMAN MEACHAM: Okay. We'll have our next  
5 person in Cordova.

6 (No audible responses)

7 MR. ZEINE: I believe there were only two,  
8 weren't there?

9 CHAIRMAN MEACHAM: Just two? Any other  
10 individuals in Cordova that would care to testify?

11 (No audible responses)

12 CHAIRMAN MEACHAM: Okay. Hearing none, do we  
13 have any other sites, besides Cordova, that are on line?

14 (No audible responses)

15 CHAIRMAN MEACHAM: At this point, then, we'll  
16 take testimony from the individuals here. Do we have a list of  
17 names?

18 MS. WILLIAMS: We just have the two.

19 MS. McCAMMON: Just John French and Grant  
20 Baker.

21 CHAIRMAN MEACHAM: Okay.

22 MR. FRENCH: And we watched each other sign up,  
23 so we know which one is first.

24 CHAIRMAN MEACHAM: You know which one is first.

25 MS. McCAMMON: You can just testify right here,

1 Grant.

2 MR. BAKER: Okay, thank you.

3 CHAIRMAN MEACHAM: Please state your name for  
4 the record.

5 MR. BAKER: My name is Grant Baker and I work  
6 at the university, I'm a professor at the university and I'm  
7 also a commercial fisherman in Prince William Sound. And I'm  
8 here to talk on two issues, and I'll try to be very brief.

9 The first one is the proposed GEM Working Group. I  
10 think there's about 20 or so people that are listed as  
11 scientific -- in the scientific coordinating committee that  
12 initially invited participants. I think that a lot of the  
13 HJR12, the resolution supporting endowment of chairs, at least  
14 endowments at the university by -- it was strongly supported by  
15 the Legislature and signed by the Governor and also the support  
16 from the public on this, I think there should be some  
17 representatives on the GEM Working Group from the university.  
18 It is the main research institute, it's got the land, it's got  
19 the sealife facility. There's some connection to a lot of the  
20 facilities that are doing research already in the marine  
21 sciences. And not including them just doesn't make much sense.

22 It seems like having a group -- having a representative  
23 from the university on the Scientific Coordinating Committee  
24 and even a subgroup with three or four people from the  
25 university on there to address the research needs makes a lot

1 of sense and, in fact, I see it as a big void that's needed  
2 immediately to be put on here, before it gets approved on the  
3 Work Plan for fiscal 2000.

4 I know there's public comment that can happen  
5 afterwards, develop the -- on the management and spending plan  
6 for the \$115,000,000 that's been designated for research, but  
7 the way that that plan is set up is by the GEM Working Group  
8 and that's why the university should be on there from the very  
9 beginning, to satisfy the intent and purpose of it.

10 The second thing is, I wanted to comment on the  
11 proposal that I sent in, and this is not about, you know,  
12 having -- although it's going to be denied is not any big deal  
13 to me. It was there to show -- to be there as work plan or as  
14 an example that people could hold up, and they have done it in  
15 the past, just say, hey, these things are needed and it'll look  
16 good for the long-term type of plan. And that's why they're  
17 there, just something, just some place to start from. But one  
18 of the comments was that the -- the proposal kind of focused on  
19 the oil spill clean-up technology and that's not really part of  
20 the oil spill settlement funds. And it just seems kind of at  
21 odds there, that the oil spill settlement funds will not allow  
22 development of oil spill clean-up technology.

23 And about a couple of weeks later, I picked up a  
24 newspaper and, lo and behold, here's a new bacteria they  
25 developed, maybe the new animal it's titled, the title is

1 "Bacteria May Be New Animal Against Oil Spills; Microbes May Be  
2 the New String of Bacteria Able to Battle Oil Spill." And one  
3 of the comments the developer put on here is, I'd love to have  
4 been able to spray this in Prince William Sound. I mean this  
5 is the type of clean up technology that I'm -- that's exactly  
6 the type that, I think, should be developed to help clean up  
7 what's already out there. There's oil in the sea bed, there  
8 was a study earlier this year, I believe, that the leaching of  
9 the oil into the Prince William Sound was not from old spills,  
10 but from the Exxon Valdez oil spill. How widespread that oil  
11 is is unknown and how to clean it up is even more unknown.

12           Protecting the Sound, one way of doing it that the  
13 Trustee Council had done was to purchase land, they feel that  
14 that protects -- that is habitat protection. Well, if an oil  
15 spill happens, you're not going to be able to protect that  
16 newly purchased habitat, you'd still need mechanism to clean it  
17 up. And so new oil spill clean-up technologies can clean up  
18 the old oil and can clean up the new oil, too, and it shouldn't  
19 be excluded just because it can do both.

20           My in-laws just came back from Prince William Sound,  
21 they shrimped out there for over 30 years. It declined right  
22 after the oil spill and went to almost nothing. They went out,  
23 just got back about a week ago, and they went out to their  
24 areas that they normally always get shrimp and they came up  
25 with nothing, they've just completely gone. And so there's a

1 mystery about what's happened to that shrimp. So there's  
2 something going on down there and it seems to be connected to  
3 the oil spill.

4           Anyway, that's all I have to say and I'm opened to  
5 questions if anyone has any?

6                   CHAIRMAN MEACHAM: Questions? Dan.

7                   MR. HULL: Did some of the -- you said that  
8 your proposal is maybe a working draft, something to start  
9 with. That's kind (indiscernible - away from microphone) did  
10 you get comments back that would help you to refine it in such  
11 a way (indiscernible - interrupted).....

12                   MR. BAKER: Not really. The comments are --  
13 what my plan is, was it proposed, basically, endowment of one  
14 chair per restoration center to try to get the mechanism down  
15 and to get through all the loop holes and whatever is needed to  
16 figure out how to establish endowments. But that's kind of  
17 being done by the GEM, only on a larger scale. So it's being  
18 taken care of, it's -- you know, it's being taken care of, I  
19 suppose, through it, but it still needs to have the university  
20 (indiscernible). In the past I remember that the proposal  
21 would be held up, you know, it had three links in it, one's  
22 research and one is distribution of information and the other  
23 one is educational. And these are the same kind of links that  
24 have been stressed by the Trustee Council as necessary. And so  
25 I'm not so concerned that that was denied, but the basis for it

1 was emphasizing oil spill clean-up technology, which I don't  
2 believe it was, but that was one aspect of it. But for the oil  
3 spill monies not to be able to -- for them to exclude oil spill  
4 clean-up technology just seems to be excluding the exact thing  
5 that's needed. Anyway, that's.....

6 MR. ZEINE: Earlier today, I learned anyway,  
7 that as GEM is developed there may be an opportunity for  
8 identifying endowed chairs for specific part of that, what do  
9 you think of that?

10 MR. BAKER: I don't think it will work that  
11 way. I think you're developing the criteria for examining  
12 what's needed and then going out and seeing how something fits.  
13 But you aren't including the people that are most closely  
14 related to what's available as far as the land, the research  
15 centers, the marine fisheries. Why not include those? You  
16 include the other State agencies, the university is a State  
17 agency, why wouldn't that be include, especially since it's the  
18 main research institute in the state and the funds are --  
19 115,000,000 is designated mainly for research and that's why it  
20 should be on that group from the very beginning, I think it  
21 would streamline the process, you wouldn't have double backing  
22 all the time, you know, you'd have the other State agencies  
23 doing something and then trying to go to the university and see  
24 what could happen there, seeing what's possible or seeing what  
25 facilities could be used. If you have the agency right there

1 in the discussion everything is going to be taken care of in  
2 one stroke, I suppose, instead of having to go back and redo  
3 things.

4 CHAIRMAN MEACHAM: Bob, did you have a  
5 question?

6 DR. SPIES: Yeah, I have question and a  
7 comment. Is Cordova still on line?

8 (No audible responses)

9 DR. SPIES: I guess not. Earlier when you said  
10 that.....

11 MS. McCAMMON: Somebody just coughed.

12 CHAIRMAN MEACHAM: Yes, is Cordova on line  
13 still?

14 MR. THOMAS: Yeah, we're still on line.

15 DR. SPIES: Gary, we've got someone here that's  
16 very interested in oil spill technology, maybe you can tell  
17 them a little bit about OSRI.

18 MR. THOMAS: Sure, I'll give him a brief.....

19 UNIDENTIFIED VOICE: Gary.....

20 MR. THOMAS: The oil spill recovering team came  
21 out of the OPA90 legislation and in 1996, after considerable  
22 amount of work, we got some -- Senator Stevens set aside the  
23 funding as -- to conduct a program of research and development  
24 for oil spill response and prevention. And the program right  
25 now has got three components, it has a technology component,

1 the ecology component and the education component. And it  
2 tries to allocate its funding of projects on a 40-40-20 basis  
3 relative to those three disciplines. And we have a very  
4 detailed website on the -- that anybody can go to and you can  
5 find out -- you can find all of our BAAs, information on our  
6 past research projects, our annual plans and business plans and  
7 much of the philosophy behind the Oil Spill Recovery Institute.  
8 And that's the place to go, the website  
9 [www.pwssp.gen.ha.us/osri/osrihtml](http://www.pwssp.gen.ha.us/osri/osrihtml).

10 CHAIRMAN MEACHAM: Okay. I think.....

11 MR. THOMAS: And that's governed by a separate  
12 board that has representatives from several State, several  
13 Federal agencies and it has commercial fishermen, Alaska  
14 Natives and oil industry representatives, in addition to a  
15 couple of representatives from the Science Center and the  
16 University of Alaska.

17 CHAIRMAN MEACHAM: Okay. Thank you very much,  
18 Gary, we're going to get back to the proposals here again, now.  
19 Thank you very much for the input.

20 MR. THOMAS: All right, thank you.

21 CHAIRMAN MEACHAM: Other questions for Grant  
22 Baker?

23 (No audible responses)

24 CHAIRMAN MEACHAM: I have one. You mentioned  
25 the university and other local groups or something, did you

1 have any others in mind, other than the university, that should  
2 be involved in the process, the GEM planning process?

3 MR. BAKER: I think that, you know, the GEM  
4 Work Group, I think that by adding the university it gives it  
5 something that's missing that's needed. It's not like -- I'm  
6 not saying start all over.

7 CHAIRMAN MEACHAM: I understand that, I thought  
8 you were suggesting.....

9 MR. BAKER: Oh, other groups?

10 CHAIRMAN MEACHAM: .....there was some others  
11 in addition to, it wasn't just the university.

12 MR. BAKER: No, no, just the university. I was  
13 saying maybe develop a subgroup because they share a third team  
14 with a strong emphasis for an endowment with the university,  
15 plus the university, the land, the facilities and the  
16 scientific connection with most of these groups with the  
17 university, why not have the university there as a subgroup  
18 with three or four people on it, specializing in the fisheries  
19 and maybe even a financial person.

20 CHAIRMAN MEACHAM: I understand. Thank you.

21 MR. BAKER: Thank you.

22 CHAIRMAN MEACHAM: All right. We move on then  
23 to John French. Welcome to the Public Advisory Group table  
24 again.

25 MR. FRENCH: Well, you're welcome [sic]. I'll

1 try to keep my comments at least marginally brief. I'm John  
2 French, formally of the University of Alaska and the Public  
3 Advisory Group. I now work as a consultant for Pegasus  
4 Enterprises out of Seward. Like Grant, I will make most of my  
5 comments about the Long-Term Monitoring Project, which, I  
6 guess, we're now calling the GEM Project, and I apologize to  
7 Molly if I cover some things she clarified during her  
8 presentation earlier, I missed most of it.

9 But, like Grant, I believe that the coordinating  
10 committee should probably be broadened to include the  
11 University of Alaska. I think it might be wise to have some  
12 good financial person, not necessarily the University of Alaska  
13 person, but one of the major foundations in the state also on  
14 that steering committee. Unlike Grant, I am very dubious as to  
15 whether a single university representative would give you  
16 anything more than a myopic bureaucrat that's very stuck in  
17 their ways with respect to research approaches. I think what  
18 is very critical in developing the GEM Project is trying to  
19 broaden the base of input that's coming into it. So, as I  
20 understand it, Molly is currently working on a fairly extensive  
21 draft, and I think after that's done would be a good time to  
22 distribute it throughout the scientific community and get  
23 feedback from the entirety of the scientific community.  
24 Because, as I was mentioning to Bob earlier, the University of  
25 Alaska itself is very vulcanized in terms of how it thinks

1 thing should be done, you're not going to get a single  
2 representative or even three representatives that represent the  
3 entirety of the research thought within the university. You  
4 got some very different factions that, in some cases, hardly  
5 talk to one another, which is one reason I retired, because the  
6 university does not function as I believe the university should  
7 function.

8           That doesn't mean it shouldn't be represented. What is  
9 does mean is you need to reach out. And I think it's true, to  
10 a lesser extent, with some of the other State and Federal  
11 agencies, you need to reach out to the base level scientists  
12 that are doing some of the work and get some of the innovated  
13 ideas. You'll get a lot of duplication, you'll get a lot of  
14 ideas that aren't practical, you'll get some things that are  
15 just totally a waste of time, but I don't know how else to get  
16 the input into the process without soliciting input from the  
17 whole base.

18           I know, back years ago, when were first doing some of  
19 the -- developing some of these large scale projects where  
20 there was a lot of very positive integration of personnel and  
21 ideas there was a workshop that was out here that was pretty --  
22 it was structured but fairly free-wheeling and I personally  
23 attended that and felt that there was some very good input and  
24 ideas that floated around from that and some of those evolved.  
25 I could see it kind of evolved at that point, but some of those

1 ideas and collaborations evolved into the projects that have  
2 made the core of the Work Plan today. And I think that's been  
3 very positive. And I think that kind of scientific input, even  
4 though it's not the most efficient, would only occur with  
5 solicitations throughout the scientific community.

6 I think it's also important, probably some time a  
7 little later in the process, to get full public input, but  
8 that's generally the bid part of the process and I don't think  
9 I need to say that that needs to be done, I'm confident it will  
10 be done.

11 With respect to the plan, as outlined in the agenda  
12 packet, it kind of confirms my concerns that input is being  
13 received from a limited cross section of the scientific  
14 community. It uses an approach to long-term monitoring which  
15 is the traditional oceanographic model of starting with physics  
16 and building up from there, if you have infinite time and  
17 infinite dollars, unlimited time and dollars, that's a good way  
18 to do it, you can build up a picture and it can be very  
19 complete and you can answer all the questions of the world.  
20 However, when I say unlimited dollars, I mean far more dollars  
21 than we're even considering even talking about. We're talking  
22 many billions of dollars.

23 So what you need to do is more nearly what the approach  
24 that Gary Thomas alluded to, but from a somewhat different  
25 prospective. You need to integrate population level studies

1 with individual level studies and now have the facilities to do  
2 a lot of these individual studies which we didn't at the time  
3 the oil spill took place. We have a beautiful \$50,000,000  
4 facility that was built down in Seward exclusively with public  
5 fund, the SeaLife Center. We have some very good facilities  
6 over in Kodiak which were a little bit less in terms of public  
7 funds, both of those facilities have a significant amount of  
8 EVOS Restoration money in them and, to a lesser extent,  
9 Criminal Settlement money in them. And by using an integrated  
10 approach of some population studies, but then proofing it and  
11 extending the hypotheses as they're being developed with the  
12 individual organismal level studies, you can get a lot more  
13 information for your buck. And you can also tend to start to  
14 answer those questions that have the greatest impact on the  
15 human population, those species which we, as people, are the  
16 end users of in the area being studied.

17 Most of us don't know that we're seriously impacted by  
18 trends that take place in phytoplankton, most of use don't even  
19 bother to -- ignore the fact that we can't see them, we don't  
20 even think about them. So what we've got is a need to, I  
21 think, to take a little bit more innovative approach in the  
22 planning, and I realize it's early on in the process. But I  
23 think that'll be best achieved by an extensive solicitation of  
24 input into the process.

25 I don't want to drag on too much longer, so I would

1 like to touch a couple of other points. One with respect to  
2 community input and community-based project, which I know is a  
3 matter of discussion right before the PAG meeting adjourned to  
4 the public hearing. I think that community-based projects are  
5 important, although as Molly correctly pointed out, you are  
6 constrained by the consent degree, and I hate to disagree with  
7 Grant, but it's pretty explicit in how mitigation processes are  
8 excluded by the consent degree. I think the best way is to  
9 increase the community involvement, though, is an approach  
10 similar to what was used with TEK, and I that's been fairly  
11 successful.

12           The scientific community, especially the basic  
13 scientific community that was trained to try to look at the  
14 world and not answer specific questions, tends to be pretty  
15 stodgy, at one point I was one of them, and doesn't tend to  
16 really like people looking over their shoulder and answering  
17 the questions. So I think they need to be gently persuaded.  
18 TEK did a little of that. I think you could do a little bit  
19 more of it by some innovative approaches, such as, say, for  
20 every 10 or \$15,000 of personnel cost in a project require that  
21 an research intern be hired from the affected communities in  
22 the area of the project. That intern could be as low as, say,  
23 a high school graduate. Obviously they need to have a little  
24 bit of education, but if you emphasize the desire as opposed to  
25 the formal education is the important factor, I think it could

1 be made to work. And if the PI has invested project time and  
2 money in that person, they're going to have a vested interested  
3 in training that person and helping that person understand the  
4 project, then that person becomes an ambassador back to their  
5 community. And I personally think that could be a fairly  
6 effective approach. And, yes, it decreases the efficiency and  
7 the professionalism of the team a little bit, but I think the  
8 positive spin offs could be very great.

9           Lastly, I'd like to very briefly address Dan's question  
10 about endowed chairs. One of the problems that the university  
11 has regularly brought up about endowed chairs is the fact that  
12 with principle of scientific freedom you're not supposed to  
13 tell somebody -- they're not supposed to change their research  
14 track, to change the direction they're going.

15           CHAIRMAN MEACHAM: Could you say that again?

16           MR. FRENCH: Okay. Normally, if you hire  
17 somebody into an endowed chair, at least with a lot of the  
18 foundation endowed-type -- endowed chairs that aren't specific  
19 in discipline, somebody comes into them, they're hired because  
20 of their intellectual prowess, rather than their expertise in a  
21 certain area and they may be able to -- and they may say -- be  
22 looking -- well, like a friend of mine was looking at  
23 carbohydrates for years and years, he was a world-renowned  
24 carbohydrate biochemist. He suddenly decided to go into  
25 looking at mechanisms of genetic expression, very different

1 area. Important area still, he's now world-renowned in that,  
2 too. It happens, but in terms of what the endowment might have  
3 been trying to achieve that wouldn't have worked.

4         There is, however, a mechanism within the university  
5 system that allows discipline-based, in other words, project  
6 oriented funding for specific chairs. And that's the mechanism  
7 that's used within the Marine Advisory Program, the extension  
8 arm of the university, where you specifically have funded  
9 missions as opposed to funded individuals. And so you could  
10 fund a mission, say, in seabirds and have -- one time it might  
11 have 100 percent of one person, but if that person went off and  
12 started doing something else irrelevant to the seabirds, you  
13 could bring other people on to that endowed posit -- that  
14 endowed mission, if you want to use the Federal term, in the  
15 grant system. And that would allow you a way of keeping  
16 consistent with the directions of the funding and the consent  
17 degree and also be consistent with standard operating procedure  
18 with, at least, part of the university.

19                 CHAIRMAN MEACHAM: Thank you. Now, your  
20 comments just were in general related to GEM, you didn't have  
21 specific proposal you were going to address in the 2000 Plan;  
22 is that correct?

23                 MR. FRENCH: No, it's specifically related in  
24 how I hope to see GEM develop.

25                 CHAIRMAN MEACHAM: Yeah, that's.....

1                   MR. FRENCH: I view the project in the pamphlet  
2 as being, more or less, a place (indiscernible - lowers  
3 voice).....

4                   CHAIRMAN MEACHAM: Okay, that's fine.

5                   MR. FRENCH: I think it needs to go forward,  
6 but I viewed what specifically what was in the booklet a  
7 placement.

8                   CHAIRMAN MEACHAM: Any questions?

9                   (No audible responses)

10                  MR. THOMAS: Can we have a question from  
11 Cordova?

12                  CHAIRMAN MEACHAM: Why don't you hold off just  
13 a second.

14                  Any other questions from the group here?

15                  (No audible responses)

16                  CHAIRMAN MEACHAM: Are there any other  
17 individuals to provide testimony?

18                  (No audible responses)

19                  CHAIRMAN MEACHAM: Yeah, Gary, we'll give you  
20 just a minute.

21                  MR. THOMAS: Yeah, in regard to the GEM  
22 Program, the Science Center has been very supportive of  
23 developing unified research and monitoring plans since its  
24 inception in 1989, and the track record that we have is that we  
25 were instrumental in the planning phase and development of the

1 SEA Program and the same way with the Oil Spill Recovery  
2 Institute Research and Development Program. And we would  
3 welcome any opportunity to get involved in this plan. We just  
4 completed a very successful SEA Research Program that captures  
5 those ideals that John has been so often discussing. And,  
6 really, we're available and kind of a little bit surprised that  
7 we're not part of that process, but if the uptake comes  
8 forward, we'll definitely be there.

9 MS. McCAMMON: Mr. Chairman, can I just take  
10 one minute, and I don't want to belabor this. And I covered  
11 this at my presentation earlier this afternoon, but you know,  
12 look at this, what people were looking at, at the GEM Working  
13 Group and tear it up because group doesn't exist, it was a very  
14 informal ad hoc group to help us put a draft on paper and to  
15 start the discussion on the whole concept.

16 (End of tape)

17 (END OF PROCEEDINGS)  
18  
19  
20  
21  
22  
23  
24  
25

C E R T I F I C A T E

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25

UNITED STATES OF AMERICA                    )  
  ) ss.  
STATE OF ALASKA                                )

I, Joseph P. Kolasinski, Notary Public in and for the State of Alaska and Owner of Computer Matrix do hereby certify:

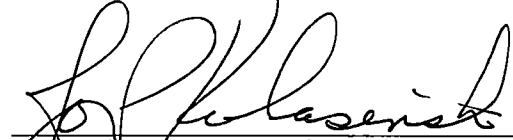
THAT the foregoing pages numbered 3 through 31 contain a full, true and correct transcript of the Public Meeting of the Public Advisory Group on the Draft FY2000 Work Plan recorded electronically by Rebecca Williams on the 15th day of July 1999, commencing at the hour of 7:00 p.m. and thereafter transcribed by me to the best of my knowledge and ability.

THAT the Transcript has been prepared at the request of:

EXXON VALDEZ TRUSTEE COUNCIL, 645 G Street,  
Anchorage, Alaska 99501;

DATED at Anchorage, Alaska this 20th day of September 1999.

SIGNED AND CERTIFIED TO BY:



Joseph P. Kolasinski  
Notary Public in and for Alaska  
My Commission Expires: 04/17/00