## Appendix H FORM LETTER 6 AND VARIANTS

Dear Sir,

Please consider my following comments regarding the SEIR and Proposed Regulations for suction dredge mining in California:

**SEIR Baseline is wrong:** I take strong exception to the Department using an arbitrary and misleading baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appear greater than they really are, and in an attempt to marginalize the serious economic and social impacts to Americans which would result from your proposed regulations You should use a proper baseline that is based upon existing dredge and small business activity under the 1994 regulations during the season before the moratorium was imposed.

**Mercury is not a problem:** Your SEIR relies unreasonably upon the unfounded conclusions of Charles Alpers' who has allowed his personal political agenda get in the way of real science. The SEIR does not give enough weight to the discovery by Rick Humphries Report of California Water Resources Control Board that normal gold dredges are effective at recovering at least 98% of the mercury from the bottom of California's waterways. The SEIR does not acknowledge, based upon your own survey results, that suction dredgers have been removing over 7,000 ounces of mercury or more every year under the 1994 regulations from California's waterways. That amounts to 98,000 ounces during the 14 years we operated under the 1994 regulations! Adoption of the SEIR position would be fundamentally unreasonable in a context where the mercury is inevitably migrating downstream to areas where it is believed to be potentially harmful.

Since California State agencies are doing nothing to remove mercury from California's active waterways, it is grossly irresponsible to point the finger at suction dredgers who are the only ones that are removing the mercury, at no cost to the taxpayers! Rather than reduce the amount of mercury which we are removing from the ecosystem, the responsible approach for State agencies would be to create a collection system in California which rewards dredgeminers for collecting and turning in mercury.

**Identification requirement:** The proposed regulations should allow visitors from other countries to use a foreign passport or driver's license as identification so they can apply for nonresident suction dredge permits. Otherwise, California will be discouraging the many visitors which we already receive that like to do their gold prospecting here.

**DFG should not limit the number of suction dredging permits:** There is no evidence presented in the SEIR that 14 years of dredging under the 1994 regulations ever harmed a single fish, much less threatened the viability of an entire species. What if I want to operate a dredge in some part of California where there would not be a deleterious impact? A limit on permits may prohibit me or someone else from using a suction dredge without a viable reason.

**Allowing additional dredge permits after site inspection**: In the event that DFG decides to impose (reasonable) limits in a blanket statewide permit program that will allow for most suction dredgers, I do not believe DFG has the authority to declare a wholesale prohibition to dredge mining in the other vast areas which exist on the public lands that would not be covered by the blanket permit. DFG has a site inspection mechanism allowing you to consider more individualized

impacts in areas, and during time periods, when and where dredging would not be allowed in a statewide program.

**Onsite inspections should be immediately signed off when approved:** There should not be a delay in signing off on a site inspection in cases where DFG officials cannot identify a deleterious impact. There should be a time limit in the regulations in which the application will be approved or disapproved. Due process should be allowed if I desire to appeal an application which has been disapproved.

**Prior existing rights on permit acquisition**: There must be an allowance for prior existing rights on a limited permit program. Otherwise, dredge-miners who have already invested in property and equipment could potentially lose our prior existing right to work our mining claims or other mining opportunities (belonging to an association that provides access to mining property).

**Statewide permits, if limited, should be transferable:** Permits should be transferable if there is going to be a limit on the number allowed under a statewide program. Otherwise, miners will make the substantial investment into developing a viable mine and then not be able to transfer ownership to someone new who will be able to dredge it, therefore losing some or most of the value.

**DFG should not further-limit the size of dredges under the statewide permitting program**: I do not believe that DFG has the authority to step onto the public lands and impose a permit restriction upon the productive capacity of my dredge without also coming up with specific reasons why existing capacities under the 1994 regulations are creating a deleterious impact upon fish. Please leave nozzle restriction sizes as they were in the 1994 regulations. The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch (diameter) is reasonable.

**Allowing larger-sized nozzles after site inspection**: If a dredger wants to operate a dredge having a larger nozzle than is allowed under a statewide permitting scheme, the Department should allow the activity as long as no deleterious impact can be determined though a site inspection.

**DFG should not further-limit the places where dredging is allowed:** This proposal is just supported by your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact has been created under the existing regulations, please leave our seasons as they have been since 1994.

Gold miners should be afforded due process, and should be allowed to proceed in areas which are not allowed under a statewide permit, as long as a site inspection cannot turn up evidence of a deleterious impact.

**Reduction of our existing dredging seasons is unreasonable:** I do not see that the SEIR contains evidence of a deleterious impact upon fish to support the reduction of existing dredging seasons that are in the 1994 regulations. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the existing regulations, you leave our seasons as they have been since 1994.

**The proposed 3-foot rule is unreasonable:** The SEIR has not presented any real evidence that dredging within three feet of the streambank has ever harmed a single fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining opportunities.

Suction dredge regulations should not impose the requirement of Section 1600

**Agreements:** Fish & Game Section 5600 already allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, also imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. Nobody else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the only safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger unless the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

**Imposition of the 3/32-inch intake requirement on pumps is unreasonable:** The 1994 regulations already prohibit dredge operation at times when fish may be too small to swim away from pump intakes as they are already being manufactured.

Most dredges today are being produced using 3/16th inch or 15/64th inch holes for the pump intakes. To avoid conflict, you should adopt something larger than the two hole sizes which are already being used on most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times And places where dredging is not deleterious to fish, I do not see any practical reason to force dredge-miners to inform DFG exactly where they are dredging – and then hold them to the location unless the permit is amended. Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

**The proposed dredge marking system is not workable:** There is no practical way of attaching a sign to a small dredge! What does this have to do with preventing a deleterious impact upon fish?

If you must have an identification number on my dredge, you should eliminate the requirement of 3inch number and allow the numbers to be marked either on the pontoons or the sluice box, but only if it is possible to do so. This would allow smaller numbers in the case of smaller dredges.

**Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a boat:** I question your authority on placing any requirement upon suction dredgers in this matter, other than to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in their boats. Your proposed regualtions would prohibit suction dredgers from doing the very same thing!

There are plenty of effective ways to prevent fuel from leaking into the waterway without making a dredgeminer hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are already routinely part of a dredge program to assist with cleanup of concentrates.

**Disturbance of mussel beds:** It is unreasonable to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40 muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this imposition would amount to a suction dredge prohibition in a large part of the waterway! And why, since there are so many? How does the protection of mussels from dredge-miners conform to the language of Section 5653? Please drop this silly mussel idea from final regulations.

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Ample evidence shows that salmon are less likely to place their redds in a heaped tailing pile, than they are on a pre-mining grade which is inundated with unstable gravel; so your proposal will actually create more harm than good! The dredge holes which I leave behind create cool water refuges where salmon and other fish hold up during the warm summer months. My piled cobbles create protected habitat where fingerlings can hide from predators. It would be better for the fish if we just allow Mother Nature to settle things out in the next storm event.

**Dredge mining between one half hour after sunrise to sunset**: Your authority is limited to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Thank you very much for giving careful consideration to my comments and suggestions!

Form Letter 6 VARIANTS

Dear Ser : I am sending a note along with the form letter, because, I don't here teme to re- write a whole letter. I just wanted to say that, as a 1st year dredger (the year we were shut down), being mentored by a more experienced dredger, I was impressed by the effort put forth to not affect the enveronment - they all know it would shut then down faster then anything else. It cost me over \$150000 to obtain \$10000 conth of gold - cost of equipment repair, new wet suit, etc. My mentor peobably got a few hunched backing worth - has been doing this for 20+ yrs. He also had expenses, novelving equipment, Camping supplies queceries etc. which he purchased a lot of in Upreka - as I'm sure other nuners diet, thus, putting nones into a Aluggest economics Just some of my observations - Thenk Bagley

Mark Stopher California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

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WARREN C BASCEY 7406 WILLET WAY, MONTAGUE, CA. 4-25-11 Name and Address Ware C Bagley Date

#### 041311\_Blevins

Mark Stopher

California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

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I use Dave's Letter Any Better way to S REASON I 15 CANT Sincerely, SAY Name and Address Date LL Kty ALIFORNIA

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**Suction dredge regulations should not impose the requirement of Section 1600 Agreements:** Fish & Game Section 5600 <u>already</u> allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, <u>also</u> imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. <u>Nobody</u> else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the <u>only</u> safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger <u>unless</u> the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

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Most dredges today are being produced using 3/16<sup>th</sup> inch or 15/64<sup>th</sup> inch holes for the pump intakes. To avoid conflict, you should adopt something larger than the two hole sizes which are already being used on most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times and places where dredging is not deleterious to fish, I do not see <u>any</u> practical reason to force dredge-miners to inform DFG <u>exactly</u> where they are dredging – and then hold them to the location unless the permit is amended. This is working AGAINST prospecting discovery...

**The proposed dredge marking system is <u>not</u> workable:** There is no practical way of attaching a sign to a small dredge! What does this have to do with preventing a deleterious impact upon fish?

If you must have an identification number on my dredge, you should eliminate the requirement of 3-inch number and allow the numbers to be marked either on the pontoons or the sluice box, but <u>only</u> if it is possible to do so. This would allow smaller numbers in the case of smaller dredges.

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There are <u>plenty</u> of effective ways to prevent fuel from leaking into the waterway without making a dredgeminer hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are <u>already</u> routinely part of a dredge program to assist with cleanup of concentrates.

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Dredge mining between one half hour after sunrise to sunset: Your authority is <u>limited</u> to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs. We aren'T babies. This doesn'T need

to be arule

Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely,

Franks 6347 Santa Cruy Corning, CA Name and Address Date

#### 041511\_Jasper

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It would be more productive to provide better language describing what the "bank" is in relation to dredge mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining opportunities.

**Suction dredge regulations should not impose the requirement of Section 1600 Agreements:** Fish & Game Section 5600 <u>already</u> allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, <u>also</u> imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. <u>Nobody</u> else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

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Dredge mining between one half hour after sunrise to sunset: Your authority is limited to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely,

Maple and Address Name and Address POBOX 183 Happy genand Ca 96039

Mark Stopher California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

Dear Sir,

Please consider my following comments regarding the SEIR and Proposed Regulations for suction dredge mining in California:

**SEIR Baseline is wrong:** I take <u>strong</u> exception to the Department using an arbitrary and misleading baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appear greater than they really are, and in an attempt to marginalize the <u>serious</u> economic and social impacts to Americans which would result from your proposed regulations. You should use a <u>proper</u> baseline that is based upon existing dredge and small business activity under the 1994 regulations during the season before the moratorium was imposed.

**Mercury is <u>not</u> a problem:** Your SEIR relies unreasonably upon the unfounded conclusions of Charles Alpers' who has allowed his personal political agenda get in the way of real science. The SEIR does <u>not</u> give enough weight to the discovery by Rick Humphries Report of California Water Resources Control Board that normal gold dredges are effective at recovering <u>at least</u> 98% of the mercury from the bottom of California's waterways.

The SEIR does <u>not</u> acknowledge, based upon your own survey results, that suction dredgers have been removing over 7,000 ounces of mercury or more <u>every</u> year under the 1994 regulations from California's waterways. That amounts to 98,000 ounces during the 14 years we operated under the 1994 regulations! Adoption of the SEIR position would be fundamentally unreasonable in a context where the mercury is inevitably migrating downstream to areas where it is believed to be potentially harmful.

Since California State agencies are doing <u>nothing</u> to remove mercury from California's active waterways, it is grossly irresponsible to point the finger at suction dredgers who are the <u>only</u> ones that are removing the mercury, at no cost to the taxpayers!

Rather than reduce the amount of mercury which we are removing from the ecosystem, the responsible approach for State agencies would be to create a collection system in California which <u>rewards</u> dredgeminers for collecting and turning in mercury.

**Identification requirement:** The proposed regulations should allow visitors from other countries to use a foreign passport or driver's license as identification so they can apply for nonresident suction dredge permits. Otherwise, California will be discouraging the many visitors which we <u>already</u> receive that like to do their gold prospecting here.

**DFG should not limit the number of suction dredging permits:** There is no evidence presented in the SEIR that 14 years of dredging under the 1994 regulations <u>ever</u> harmed a <u>single</u> fish, much less threatened the viability of an entire species. What if I want to operate a dredge in some part of California where there would not be a deleterious impact? A limit on permits may prohibit me or someone else from using a suction dredge without a viable reason.

Allowing additional dredge permits after site inspection: In the event that DFG decides to impose (reasonable) limits in a blanket statewide permit program that will allow for most suction dredgers, I do not believe DFG has the authority to declare a wholesale prohibition to dredge mining in the other vast areas which exist on the public lands that would not be covered by the blanket permit. DFG has a site inspection mechanism allowing you to consider more individualized impacts in areas, and during time periods, when and where dredging would not be allowed in a statewide program.

**Onsite inspections should be immediately signed off when approved:** There should <u>not</u> be a delay in signing off on a site inspection in cases where DFG officials cannot identify a deleterious impact. There should be a time limit in the regulations in which the application will be approved or disapproved. Due process should be allowed if I desire to appeal an application which has been disapproved.

**Prior existing rights on permit acquisition**: There <u>must</u> be an allowance for prior existing rights on a limited permit program. Otherwise, dredge-miners who have already invested in property and equipment could potentially lose our prior existing right to work our mining claims or other mining opportunities (belonging to an association that provides access to mining property).

**Statewide permits, if limited, should be transferable:** Permits should be transferable if there is going to be a limit on the number allowed under a statewide program. Otherwise, miners will make the substantial investment into developing a viable mine and then not be able to transfer ownership to someone new who will be able to dredge it, therefore losing some or most of the value.

**DFG should not further-limit the size of dredges under the statewide permitting program**: I do not believe that DFG has the authority to step onto the public lands and impose a permit restriction upon the productive capacity of my dredge without also coming up with specific reasons why existing capacities under the 1994 regulations are creating a deleterious impact upon fish. Please leave nozzle restriction sizes as they were in the 1994 regulations.

The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch (diameter) is reasonable.

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Sincerely, Richard Haynes

Richard Haynos 7916 Cold Creek CT, BAKersField, CA <u>4-30-11</u> Name and Address 93313 Date I Retired Early in LiFe Just SU I could dredge on my claim

Reinstate the 1994 Regulations.

4
Subject: unfair dredge regulations.

Date: Sunday, May 8, 2011 11:38:16 PM PT

From: Mr Dennis lee Hinckley

To: dfgsuctiondredge@dfg.ca.gov

Mark Stopher

California Department of Fish and Game

601 Locust Street

Redding, CA 96001

Fax: (530) 225-2391 E-mail: dfgsuctiondredge@dfg.ca.gov

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And in the future please add to your regulations you will refund my dredge permit fees if you cancel the permit during dredge season, as you stole my \$184.00 last time.

Thank you very much for giving careful consideration to my comments and suggestions! Sincerely,

Dennis Hinckley 737 Fernwood drive Mark Stopher California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

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#### 041411\_Karns

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OPEN UP ALL RIVERS & CREEKS - YEAR AROUND.

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TING TIME LIMITS ON OUR D'RED Sincerely arns unna

Name and Address

4-14-

Date

MYRNA KARNS PO BOX 802 HAPPY CAMP CA 96039

050311 Moir

5-3-11

JAMES MOR 43 CASCADE RD. W. HENRIETTA, NY 14586

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**DFG should not further-limit the size of dredges under the statewide permitting program**: I do not believe that DFG has the authority to step onto the public lands and impose a permit restriction upon the productive capacity of my dredge without also coming up with specific reasons why existing capacities under the 1994 regulations are creating a deleterious impact upon fish. Please leave nozzle restriction sizes as they were in the 1994 regulations.

The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch (diameter) is reasonable.

Allowing larger-sized nozzles after site inspection: If a dredger wants to operate a dredge having a larger nozzle than is allowed under a statewide permitting scheme, the Department should allow the activity as long as no deleterious impact can be determined though a site inspection.

**DFG should not further-limit the places where dredging is allowed:** This proposal is just supported by your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact has been created under the existing regulations, please leave our seasons as they have been since 1994.

Gold miners should be afforded due process, and should be allowed to proceed in areas which are not allowed under a statewide permit, as long as a site inspection cannot turn up evidence of a deleterious impact.

**Reduction of our existing dredging seasons is unreasonable:** I do not see that the SEIR contains evidence of a deleterious impact upon fish to support the reduction of existing dredging seasons that are in the 1994 regulations. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the existing regulations, you leave our seasons as they have been since 1994.

**The proposed 3-foot rule is unreasonable:** The SEIR has not presented any <u>real</u> evidence that dredging within three feet of the streambank has <u>ever</u> harmed a <u>single</u> fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining opportunities.

**Suction dredge regulations should not impose the requirement of Section 1600 Agreements:** Fish & Game Section 5600 <u>already</u> allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, <u>also</u> imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. <u>Nobody</u> else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the <u>only</u> safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger <u>unless</u> the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

**Imposition of the 3/32-inch intake requirement on pumps is unreasonable:** The 1994 regulations <u>already</u> prohibit dredge operation at times when fish may be too small to swim away from pump intakes as they are already being manufactured.

Most dredges today are being produced using 3/16<sup>th</sup> inch or 15/64<sup>th</sup> inch holes for the pump intakes. To avoid conflict, you should adopt something larger than the two hole sizes which are already being used on most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times and places where dredging is not deleterious to fish, I do not see <u>any</u> practical reason to force dredge-miners to inform DFG <u>exactly</u> where they are dredging – and then hold them to the location unless the permit is amended.

Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

The proposed dredge marking system is <u>not</u> workable: There is no practical way of attaching a sign to a small dredge! What does this have to do with preventing a deleterious impact upon fish?

If you must have an identification number on my dredge, you should eliminate the requirement of 3-inch number and allow the numbers to be marked either on the pontoons or the sluice box, but <u>only</u> if it is possible to do so. This would allow smaller numbers in the case of smaller dredges.

**Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a boat:** I question your authority on placing <u>any</u> requirement upon suction dredgers in this matter, other than to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in their boats. Your proposed regulations would prohibit suction dredgers from doing the very same thing!

There are <u>plenty</u> of effective ways to prevent fuel from leaking into the waterway without making a dredgeminer hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are <u>already</u> routinely part of a dredge program to assist with cleanup of concentrates.

**Disturbance of mussel beds:** It is <u>unreasonable</u> to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40 muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this imposition would amount to a suction dredge prohibition in a large part of the waterway! And why, since there are so many? How does the protection of mussels from dredge-miners conform to the language of Section 5653? Please drop this silly mussel idea from final regulations.

**Returning the site to the pre-mining grade to the greatest extent possible:** Since it is <u>impossible</u> to move tailings and rocks upstream against a swift current, the requirement to fill in our holes and level off our tailings is unrealistic.

Ample evidence shows that salmon are <u>less</u> likely to place their redds in a heaped tailing pile, than they are on a pre-mining grade which is inundated with unstable gravel; so your proposal will actually create <u>more</u> harm than good! The dredge holes which I leave behind create cool water refuges where salmon and other fish hold up during the warm summer months. My piled cobbles create protected habitat where fingerlings can hide from predators. It would be better for the fish if we just allow Mother Nature to settle things out in the next storm event.

**Dredge mining between one half hour after sunrise to sunset**: Your authority is <u>limited</u> to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely,

SAMES G. MOIR June H. Turing Name and Address

5-3-11

Date

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Mark Stopher California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

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This also applies to the use of power winches, which provide the <u>only</u> safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger <u>unless</u> the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

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Thank you very much for giving careful consideration to my comments and suggestions!

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Dary F. More

Name and Address 15977 CHIWI Rd. APPLE VALLEY, CA. 92307

THIS REALLY SAYS IT. ALL.

<u>4-14-2011</u> Date

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Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely,

Parles Pankey P.D. Box 2621 Lapine, or. 97739 MAY 2, Date Name and Address

95. please except the Letter as my own words and thoughts.

042211\_PettigrewB

Mark Stopher California Department of Fish and Game 601 Locust Street Redding, CA 96001 April 18, 2011

#### Dear Mr. Stopher,

After an extensive review of the proposed regulations regarding 'dredging' in the State of California, I have some very significant concerns and ask you to carefully consider my opinions before adoption! I have never, in many years of dreding in California and other States, killed one fish whilk dredging! Not one fish!

**SEIR Baseline is wrong:** I take strong exception to the Department using an arbitrary and misleading baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appear greater than they really are, and in an attempt to marginalize the serious economic and social impacts to Americans which would result from your proposed regulations. You should use a proper baseline that is based upon existing dredge and small business activity under the 1994 regulations during the season before the moratorium was imposed.

**Reduction of our existing dredging seasons is unreasonable:** I do not see that the SEIR contains evidence of a deleterious impact upon fish to support the reduction of existing dredging seasons that are in the 1994 regulations. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the existing regulations, you leave our seasons as they have been since 1994.

The proposed 3-foot rule is unreasonable: The SEIR has not presented any real evidence that dredging

within three feet of the streambank has ever harmed a single fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out

of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining opportunities.

#### Suction dredge regulations should not impose the requirement of Section 1600 Agreements: Fish &

Game Section 5600 already allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, also imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. Nobody else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the only safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger unless the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

**Mercury is not a problem:** Your SEIR relies unreasonably upon the unfounded conclusions of Charles Alpers' who has allowed his personal political agenda get in the way of real science. The SEIR does not give enough weight to the discovery by Rick Humphries Report of California Water Resources Control Board that normal gold dredges are effective at recovering at least 98% of the mercury from the bottom of California's waterways.

The SEIR does not acknowledge, based upon your own survey results, that suction dredgers have been removing over 7,000 ounces of mercury or more every year under the 1994 regulations from California's waterways. That amounts to 98,000 ounces during the 14 years we operated under the 1994 regulations! Adoption of the SEIR position would be fundamentally unreasonable in a context where the mercury is inevitably migrating downstream to areas where it is believed to be potentially harmful.

# Since California State agencies are doing nothing to remove mercury from California's active waterways, it is grossly irresponsible to point the finger at suction dredgers who are the only ones

#### that are removing the mercury, at no cost to the taxpayers!

Rather than reduce the amount of mercury which we are removing from the ecosystem, the responsible approach for State agencies would be to create a collection system in California which rewards dredgeminers for collecting and turning in mercury.

**Identification requirement:** The proposed regulations should allow visitors from other countries to use a foreign passport or driver's license as identification so they can apply for nonresident suction dredge permits. Otherwise, California will be discouraging the many visitors which we already receive that like to do their gold prospecting here.

#### **DFG should not limit the number of suction dredging permits:** There is no evidence presented in the

SEIR that 14 years of dredging under the 1994 regulations ever harmed a single fish, much less threatened the viability of an entire species. What if I want to operate a dredge in some part of California where there would not be a deleterious impact? A limit on permits may prohibit me or someone else from using a suction dredge without a viable reason.

**Allowing additional dredge permits after site inspection**: In the event that DFG decides to impose (reasonable) limits in a blanket statewide permit program that will allow for most suction dredgers, I do not believe DFG has the authority to declare a wholesale prohibition to dredge mining in the other vast areas which exist on the public lands that would not be covered by the blanket permit. DFG has a site inspection mechanism allowing you to consider more individualized impacts in areas, and during time periods, when and where dredging would not be allowed in a statewide program.

Onsite inspections should be immediately signed off when approved: There should not be a delay in

signing off on a site inspection in cases where DFG officials cannot identify a deleterious impact. There should be a time limit in the regulations in which the application will be approved or disapproved. Due process should be allowed if I desire to appeal an application which has been disapproved.

**Prior existing rights on permit acquisition**: There must be an allowance for prior existing rights on a limited permit program. Otherwise, dredge-miners who have already invested in property and equipment could potentially lose our prior existing right to work our mining claims or other mining opportunities (belonging to an association that provides access to mining property).

Statewide permits, if limited, should be transferable: Permits should be transferable if there is going

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be a limit on the number allowed under a statewide program. Otherwise, miners will make the substantial investment into developing a viable mine and then not be able to transfer ownership to someone new who will be able to dredge it, therefore losing some or most of the value.

### DFG should not further-limit the size of dredges under the statewide permitting program: I do not

believe that DFG has the authority to step onto the public lands and impose a permit restriction upon the productive capacity of my dredge without also coming up with specific reasons why existing capacities under the 1994 regulations are creating a deleterious impact upon fish. Please leave nozzle restriction sizes as they were in the 1994 regulations.

The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch (diameter) is reasonable.

Allowing larger-sized nozzles after site inspection: If a dredger wants to operate a dredge having a larger

nozzle than is allowed under a statewide permitting scheme, the Department should allow the activity as long as no deleterious impact can be determined though a site inspection.

#### DFG should not further-limit the places where dredging is allowed: This proposal is just supported by

your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact has been created under the existing regulations, please leave our seasons as they have been since 1994.

### The proposed dredge marking system is not workable: There is no practical way of attaching a sign to a

small dredge! What does this have to do with preventing a deleterious impact upon fish?

If you must have an identification number on my dredge, you should eliminate the requirement of 3-inch number and allow the numbers to be marked either on the pontoons or the sluice box, but only if it is possible to do so. This would allow smaller numbers in the case of smaller dredges.

### Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a

**boat:** I question your authority on placing any requirement upon suction dredgers in this matter, other than to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in their boats. Your proposed regualtions would prohibit suction dredgers from doing the very same thing! There are plenty of effective ways to prevent fuel from leaking into the waterway without making a dredgeminer

hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are already routinely part of a dredge program to assist with cleanup of concentrates.

**Disturbance of mussel beds:** It is unreasonable to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40 muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this imposition would amount to a suction dredge prohibition in a large part of the waterway! And why, since there are so many? How does the protection of mussels from dredge-miners conform to the language of Section 5653? Please drop this silly mussel idea from final regulations.

### Returning the site to the pre-mining grade to the greatest extent possible: Since it is impossible to

move tailings and rocks upstream against a swift current, the requirement to fill in our holes and level off our tailings is unrealistic.

Ample evidence shows that salmon are less likely to place their redds in a heaped tailing pile, than they are on a pre-mining grade which is inundated with unstable gravel; so your proposal will actually create more harm than good! The dredge holes which I leave behind create cool water refuges where salmon and other

fish hold up during the warm summer months. My piled cobbles create protected habitat where fingerlings can hide from predators. It would be better for the fish if we just allow Mother Nature to settle things out in the next storm event.

Dredge mining between one half hour after sunrise to sunset: Your authority is limited to preventing a

deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Please give my concerns serious consideration before adopting ANY new regulations beyond the current 1994 EIR adopted regs.

Sincerely,

Barbara 9. 96th and

Barbara A. Pettigrew P.O. Box 771 27940 Ten Mile Rd Gualala, CA 95445 707 882-2645

## **Proposed Dredging Regulations...!**

#### Mark Stopher

California Department of Fish and Game 601 Locust Street Redding, CA 96001

Dear Mr. Stopher,

I am writing you to respond to the 'proposed' new regulations regarding dredging in the State of California and ask that you consider my concerns before the final draft is 'imposed' on us miners! I strongly suggest that the 1994 EIR and attendant regulations have done a good job of balancing the Federal rights for miners with the environmental concerns of the State of California. The 1994 EIR addressed all of the current concerns and nothing in scientific review available suggests the 'radical' changes you are proposing based on 'inuendo; or 'personal ' opinions.

SEIR Baseline is wrong: I take strong exception to the Department using an arbitrary and misleading

baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appear

greater than they really are, and in an attempt to marginalize the serious economic and social impacts to

Americans which would result from your proposed regulations. You should use a proper baseline that is

based upon existing dredge and small business activity under the 1994 regulations during the season before

the moratorium was imposed.

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within three feet of the streambank has ever harmed a single fish. This prohibition would prevent beginners,

non-swimmers or children from starting closer to the shore where water is shallower and more safe.

Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the

operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge

mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out

of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining

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California's waterways.

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removing over 7,000 ounces of mercury or more every year under the 1994 regulations from California's

waterways. That amounts to 98,000 ounces during the 14 years we operated under the 1994 regulations!

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that are removing the mercury, at no cost to the taxpayers!

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approach for State agencies would be to create a collection system in California which rewards dredgeminers

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the viability of an entire species. What if I want to operate a dredge in some part of California where there

would not be a deleterious impact? A limit on permits may prohibit me or someone else from using a suction dredge without a viable reason.

Allowing additional dredge permits after site inspection: In the event that DFG decides to impose (reasonable) limits in a blanket statewide permit program that will allow for most suction dredgers, I do not

believe DFG has the authority to declare a wholesale prohibition to dredge mining in the other vast areas

which exist on the public lands that would not be covered by the blanket permit. DFG has a site in-

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Statewide permits, if limited, should be transferable: Permits should be transferable if there is going to

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investment into developing a viable mine and then not be able to transfer ownership to someone new who

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as they were in the 1994 regulations.

The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch

(diameter) is reasonable.

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larger

nozzle than is allowed under a statewide permitting scheme, the Department should allow the activity as

long as no deleterious impact can be determined though a site inspection.

DFG should not further-limit the places where dredging is allowed: This proposal is just supported by

your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact

has been created under the existing regulations, please leave our seasons as they have been since 1994.

Gold miners should be afforded due process, and should be allowed to proceed in areas which are not

allowed under a statewide permit, as long as a site inspection cannot turn up evidence of a deleterious impact.

Reduction of our existing dredging seasons is unreasonable: I do not see that the SEIR contains

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It would be more productive to provide better language describing what the "bank" is in relation to dredge

mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out

of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges

more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining

opportunities.

Suction dredge regulations should not impose the requirement of Section 1600 Agreements: Fish &

Game Section 5600 already allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, also imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. Nobody else in California is required to pursue a Section 1600 permit until their activity

rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the only safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that

are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger unless the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.
Imposition of the 3/32-inch intake requirement on pumps is unreasonable: The 1994 regulations already prohibit dredge operation at times when fish may be too small to swim away from pump intakes as

they are already being manufactured.

Most dredges today are being produced using 3/16th inch or 15/64th inch holes for the pump intakes. To

avoid conflict, you should adopt something larger than the two hole sizes which are already being used on

most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times and

places where dredging is not deleterious to fish, I do not see any practical reason to force dredgeminers to

inform DFG exactly where they are dredging – and then hold them to the location unless the permit is amended.

Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for

my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

The proposed dredge marking system is not workable: There is no practical way of attaching a sign to a

small dredge! What does this have to do with preventing a deleterious impact upon fish? If you must have an identification number on my dredge, you should eliminate the requirement of 3inch

number and allow the numbers to be marked either on the pontoons or the sluice box, but only if it is possible to do so. This would allow smaller numbers in the case of smaller dredges.

Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a **boat:** I question your authority on placing any requirement upon suction dredgers in this matter, other than

to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in their boats. Your proposed regualtions would prohibit suction dredgers from doing the very same thing!

There are plenty of effective ways to prevent fuel from leaking into the waterway without making a dredgeminer

hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are already

routinely part of a dredge program to assist with cleanup of concentrates.

**Disturbance of mussel beds**: It is unreasonable to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40

muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this

imposition would amount to a suction dredge prohibition in a large part of the waterway! And why, since

there are so many? How does the protection of mussels from dredge-miners conform to the language of

Section 5653? Please drop this silly mussel idea from final regulations.

**Returning the site to the pre-mining grade to the greatest extent possible**: Since it is impossible to move tailings and rocks upstream against a swift current, the requirement to fill in our holes and level off

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deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern

to local authorities where it belongs.

I would ask that you carefully consider my comments regarding suction dredging in California!

Best regards, egece

William L. Pettigrew 27940 Ten Mile Road P.O. Box 771 Gualala, Ca 95445 707 882-2645

041811\_Pool

Mark Stopher California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

Dear Sir,

Please consider my following comments regarding the SEIR and Proposed Regulations for suction dredge mining in California:

**SEIR Baseline is wrong:** I take <u>strong</u> exception to the Department using an arbitrary and misleading baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appear greater than they really are, and in an attempt to marginalize the <u>serious</u> economic and social impacts to Americans which would result from your proposed regulations. You should use a <u>proper</u> baseline that is based upon existing dredge and small business activity under the 1994 regulations during the season before the moratorium was imposed.

**Mercury is <u>not</u> a problem:** Your SEIR relies unreasonably upon the unfounded conclusions of Charles Alpers' who has allowed his personal political agenda get in the way of real science. The SEIR does <u>not</u> give enough weight to the discovery by Rick Humphries Report of California Water Resources Control Board that normal gold dredges are effective at recovering <u>at least</u> 98% of the mercury from the bottom of California's waterways.

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**The proposed 3-foot rule is unreasonable:** The SEIR has not presented any <u>real</u> evidence that dredging within three feet of the streambank has <u>ever</u> harmed a <u>single</u> fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining opportunities.

**Suction dredge regulations should not impose the requirement of Section 1600 Agreements:** Fish & Game Section 5600 <u>already</u> allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, <u>also</u> imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. <u>Nobody</u> else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the <u>only</u> safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger <u>unless</u> the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

**Imposition of the 3/32-inch intake requirement on pumps is unreasonable:** The 1994 regulations <u>already</u> prohibit dredge operation at times when fish may be too small to swim away from pump intakes as they are already being manufactured.

Most dredges today are being produced using 3/16<sup>th</sup> inch or 15/64<sup>th</sup> inch holes for the pump intakes. To avoid conflict, you should adopt something larger than the two hole sizes which are already being used on most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times and places where dredging is not deleterious to fish, I do not see any practical reason to force dredge-miners to inform DFG exactly where they are dredging – and then hold them to the location unless the permit is amended.

Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

The proposed dredge marking system is not workable: There is no practical way of attaching a sign to a small dredge! What does this have to do with preventing a deleterious impact upon fish?

If you must have an identification number on my dredge, you should eliminate the requirement of 3-inch number and allow the numbers to be marked either on the pontoons or the sluice box, but only if it is possible to do so. This would allow smaller numbers in the case of smaller dredges.

Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a boat: I question your authority on placing any requirement upon suction dredgers in this matter, other than to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in their boats. Your proposed regualtions would prohibit suction dredgers from doing the very same thing!

There are plenty of effective ways to prevent fuel from leaking into the waterway without making a dredgeminer hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are already routinely part of a dredge program to assist with cleanup of concentrates.

Disturbance of mussel beds: It is unreasonable to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40 muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this imposition would amount to a suction dredge prohibition in a large part of the waterway! And why, since there are so many? How does the protection of mussels from dredge-miners conform to the language of Section 5653? Please drop this silly mussel idea from final regulations.

Returning the site to the pre-mining grade to the greatest extent possible: Since it is impossible to move tailings and rocks upstream against a swift current, the requirement to fill in our holes and level off our tailings is unrealistic.

Ample evidence shows that salmon are less likely to place their redds in a heaped tailing pile, than they are on a pre-mining grade which is inundated with unstable gravel; so your proposal will actually create more harm than good! The dredge holes which I leave behind create cool water refuges where salmon and other fish hold up during the warm summer months. My piled cobbles create protected habitat where fingerlings can hide from predators. It would be better for the fish if we just allow Mother Nature to settle things out in the next storm event.

Dredge mining between one half hour after sunrise to sunset: Your authority is limited to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely,

Name and Address Danie 1 B. Pool I purchased a Standard Resident Dredge P.O. Box 441 permit on 7-8-09, + found out it was Hayfork Ca. 96041 revoked on 8-8-09. Dermit #

Mark Stopher California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

Dear Sir,

Please consider my following comments regarding the SEIR and Proposed Regulations for suction dredge mining in California:

**SEIR Baseline is wrong:** I take <u>strong</u> exception to the Department using an arbitrary and misleading baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appear greater than they really are, and in an attempt to marginalize the <u>serious</u> economic and social impacts to Americans which would result from your proposed regulations. You should use a <u>proper</u> baseline that is based upon existing dredge and small business activity under the 1994 regulations during the season before the moratorium was imposed.

**Mercury is <u>not</u> a problem:** Your SEIR relies unreasonably upon the unfounded conclusions of Charles Alpers' who has allowed his personal political agenda get in the way of real science. The SEIR does <u>not</u> give enough weight to the discovery by Rick Humphries Report of California Water Resources Control Board that normal gold dredges are effective at recovering <u>at least</u> 98% of the mercury from the bottom of California's waterways.

The SEIR does <u>not</u> acknowledge, based upon your own survey results, that suction dredgers have been removing over 7,000 ounces of mercury or more <u>every</u> year under the 1994 regulations from California's waterways. That amounts to 98,000 ounces during the 14 years we operated under the 1994 regulations! Adoption of the SEIR position would be fundamentally unreasonable in a context where the mercury is inevitably migrating downstream to areas where it is believed to be potentially harmful.

Since California State agencies are doing <u>nothing</u> to remove mercury from California's active waterways, it is grossly irresponsible to point the finger at suction dredgers who are the <u>only</u> ones that are removing the mercury, at no cost to the taxpayers!

Rather than reduce the amount of mercury which we are removing from the ecosystem, the responsible approach for State agencies would be to create a collection system in California which <u>rewards</u> dredgeminers for collecting and turning in mercury.

**Identification requirement:** The proposed regulations should allow visitors from other countries to use a foreign passport or driver's license as identification so they can apply for nonresident suction dredge permits. Otherwise, California will be discouraging the many visitors which we <u>already</u> receive that like to do their gold prospecting here.

**DFG should not limit the number of suction dredging permits:** There is no evidence presented in the SEIR that 14 years of dredging under the 1994 regulations <u>ever</u> harmed a <u>single</u> fish, much less threatened the viability of an entire species. What if I want to operate a dredge in some part of California where there would not be a deleterious impact? A limit on permits may prohibit me or someone else from using a suction dredge without a viable reason.

Allowing additional dredge permits after site inspection: In the event that DFG decides to impose (reasonable) limits in a blanket statewide permit program that will allow for most suction dredgers, I do not believe DFG has the authority to declare a wholesale prohibition to dredge mining in the other vast areas which exist on the public lands that would not be covered by the blanket permit. DFG has a site inspection mechanism allowing you to consider more individualized impacts in areas, and during time periods, when and where dredging would not be allowed in a statewide program.

**Onsite inspections should be immediately signed off when approved:** There should <u>not</u> be a delay in signing off on a site inspection in cases where DFG officials cannot identify a deleterious impact. There should be a time limit in the regulations in which the application will be approved or disapproved. Due process should be allowed if I desire to appeal an application which has been disapproved.

**Prior existing rights on permit acquisition**: There <u>must</u> be an allowance for prior existing rights on a limited permit program. Otherwise, dredge-miners who have already invested in property and equipment could potentially lose our prior existing right to work our mining claims or other mining opportunities (belonging to an association that provides access to mining property).

**Statewide permits, if limited, should be transferable:** Permits should be transferable if there is going to be a limit on the number allowed under a statewide program. Otherwise, miners will make the substantial investment into developing a viable mine and then not be able to transfer ownership to someone new who will be able to dredge it, therefore losing some or most of the value.

**DFG should not further-limit the size of dredges under the statewide permitting program**: I do not believe that DFG has the authority to step onto the public lands and impose a permit restriction upon the productive capacity of my dredge without also coming up with specific reasons why existing capacities under the 1994 regulations are creating a deleterious impact upon fish. Please leave nozzle restriction sizes as they were in the 1994 regulations.

The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch (diameter) is reasonable.

Allowing larger-sized nozzles after site inspection: If a dredger wants to operate a dredge having a larger nozzle than is allowed under a statewide permitting scheme, the Department should allow the activity as long as no deleterious impact can be determined though a site inspection.

**DFG should not further-limit the places where dredging is allowed:** This proposal is just supported by your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact has been created under the existing regulations, please leave our seasons as they have been since 1994.

Gold miners should be afforded due process, and should be allowed to proceed in areas which are not allowed under a statewide permit, as long as a site inspection cannot turn up evidence of a deleterious impact.

**Reduction of our existing dredging seasons is unreasonable:** I do not see that the SEIR contains evidence of a deleterious impact upon fish to support the reduction of existing dredging seasons that are in the 1994 regulations. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the existing regulations, you leave our seasons as they have been since 1994.

**The proposed 3-foot rule is unreasonable:** The SEIR has not presented any <u>real</u> evidence that dredging within three feet of the streambank has <u>ever</u> harmed a <u>single</u> fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining opportunities.

**Suction dredge regulations should not impose the requirement of Section 1600 Agreements:** Fish & Game Section 5600 <u>already</u> allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, <u>also</u> imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. <u>Nobody</u> else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the <u>only</u> safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger <u>unless</u> the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

**Imposition of the 3/32-inch intake requirement on pumps is unreasonable:** The 1994 regulations <u>already</u> prohibit dredge operation at times when fish may be too small to swim away from pump intakes as they are already being manufactured.

Most dredges today are being produced using 3/16<sup>th</sup> inch or 15/64<sup>th</sup> inch holes for the pump intakes. To avoid conflict, you should adopt something larger than the two hole sizes which are already being used on most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times and places where dredging is not deleterious to fish, I do not see <u>any</u> practical reason to force dredge-miners to inform DFG <u>exactly</u> where they are dredging – and then hold them to the location unless the permit is amended.

Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

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**Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a boat:** I question your authority on placing <u>any</u> requirement upon suction dredgers in this matter, other than to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in their boats. Your proposed regualtions would prohibit suction dredgers from doing the very same thing!

There are <u>plenty</u> of effective ways to prevent fuel from leaking into the waterway without making a dredgeminer hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are <u>already</u> routinely part of a dredge program to assist with cleanup of concentrates.

**Disturbance of mussel beds:** It is <u>unreasonable</u> to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40 muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this imposition would amount to a suction dredge prohibition in a large part of the waterway! And why, since there are so many? How does the protection of mussels from dredge-miners conform to the language of Section 5653? Please drop this silly mussel idea from final regulations.

**Returning the site to the pre-mining grade to the greatest extent possible:** Since it is <u>impossible</u> to move tailings and rocks upstream against a swift current, the requirement to fill in our holes and level off our tailings is unrealistic.

Ample evidence shows that salmon are <u>less</u> likely to place their redds in a heaped tailing pile, than they are on a pre-mining grade which is inundated with unstable gravel; so your proposal will actually create <u>more</u> harm than good! The dredge holes which I leave behind create cool water refuges where salmon and other fish hold up during the warm summer months. My piled cobbles create protected habitat where fingerlings can hide from predators. It would be better for the fish if we just allow Mother Nature to settle things out in the next storm event.

**Dredge mining between one half hour after sunrise to sunset**: Your authority is <u>limited</u> to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely,

, 38729 Hury. 96, Klamath River, CA 96050 Name and Address or drudging on creeks where it was o.K. in 1994 regs Please do not. a major impact on my well being and the conomy. Our state does not need any more nego productive people ne to the am a 70 year old veteran, Do what is the right

Subject: Suction Dredging

**Date:** Thursday, April 14, 2011 10:07:14 PM PT

From: Michelle

To: dfgsuctiondredge@dfg.ca.gov

Mark Stopher California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

Dear Sir,

As an active claim holder, and avid gold miner, I wish to make my opinions known about the SEIR and Proposed Regulations for suction dredge mining in California. In order to be fair, You should use a proper baseline that is based upon existing dredge and small business activity under the 1994 regulations during the season before the moratorium was imposed. I believe the Department is using an arbitrary and misleading baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appear greater than they really are, and in an attempt to marginalize the serious beneficial economic and social impacts to Americans which would result from your proposed regulations.

Further, with regards to mercury, the SEIR does not acknowledge, based upon your own survey results, that suction dredgers have been removing over 7,000 ounces of mercury or more every year under the 1994 regulations from California's waterways. That amounts to 98,000 ounces during the 14 years we operated under the 1994 regulations! The SEIR does not give enough weight to the discovery by Rick Humphries Report of California Water Resources Control Board that normal gold dredges are effective at recovering at least 98% of the mercury from the bottom of California's waterways. Modern gold miners are performing hazardous waste cleanup, free to the taxpayers. The alternative is to leave it there and let it wash down in every flood. Since California State agencies are doing nothing to remove mercury from California's active waterways, it is grossly irresponsible to point the finger at suction dredgers who are the only ones removing the mercury, at no cost to the taxpayers! Your SEIR relies unreasonably upon the unfounded conclusions of Charles Alpers' who has allowed his personal political agenda get in the way of real science. Rather than reduce the amount of mercury which we are removing from the ecosystem, the responsible approach for State agencies would be to create a collection system in California which rewards dredge miners for collecting and turning in mercury.

DFG should not limit the number of suction dredging permits: There is no evidence presented in the SEIR that 14 years of dredging under the 1994 regulations ever harmed a single fish, much less threatened the viability of an entire species. Further, doesn't the DFG issue licenses specifically to kill fish? What if I want to operate a dredge in some part of California where there would not be a deleterious impact, such as my claim above Bullard Bar dam which destroyed the fish spawn decades ago? A limit on permits may prohibit me or someone else from using a suction dredge without a viable reason.

Onsite inspections should be immediately signed off when approved: There should not be a delay in signing off on a site inspection in cases where DFG officials cannot identify a deleterious impact. There should be a time limit in the regulations in which the application will be approved or disapproved. Due process should be allowed if I desire to appeal an application which has been disapproved.

Prior existing rights on permit acquisition: There must be an allowance for prior existing rights on a limited permit program. Otherwise, dredge-miners who have already invested in property and equipment could potentially lose our prior existing right to work our mining claims or other mining opportunities (belonging to an association that provides access to mining property).

Statewide permits, if limited, should be transferable: Permits shouldn't be arbitrarily limited in numbers, but if they are, they should be transferable. Otherwise, miners will make the substantial investment into developing a viable mine and then not be able to transfer ownership to someone new who will be able to dredge it, therefore losing some or most of the value.

DFG should not further-limit the size of dredges under the statewide permitting program: I do not believe that DFG has the authority to step onto the public lands and impose a permit restriction upon the productive capacity of my dredge without also coming up with specific reasons why existing capacities under the 1994 regulations are creating a deleterious impact upon fish. Please leave nozzle restriction sizes as they were in the 1994 regulations. The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch (diameter) is reasonable.

DFG should not further-limit the places where dredging is allowed: This proposal is just supported by your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact has been created under the existing regulations, please leave our seasons as they have been since 1994.

Reduction of our existing dredging seasons is unreasonable: I do not see that the SEIR contains evidence of any deleterious impact upon fish to support the reduction of existing dredging seasons. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the existing regulations, you should leave our seasons as they have been since 1994.

The proposed 3-foot rule is arbitrary: The SEIR has not presented any

real evidence that dredging within three feet of the streambank has ever harmed a single fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

Suction dredge regulations should not impose the requirement of Section 1600 Agreements: Fish & Game Section 5600 already allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, also imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. Nobody else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers. This also applies to the use of power winches, which provide the only safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger unless the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

Imposition of the 3/32-inch intake requirement on pumps is unreasonable: The 1994 regulations already prohibit dredge operation at times when fish may be too small to swim away from pump intakes as they are already being manufactured.

Permits should be valid in any dredgable state water: Since existing regulations already set the times and places where dredging is not deleterious to fish, I do not see any practical reason to force dredge-miners to inform DFG exactly where they are dredging. Indeed, I think this is an intrusive invasion of privacy. Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

The proposed dredge marking system is not workable: There is no practical way of attaching a sign to a small dredge! What does this have to do with preventing a deleterious impact upon fish? This is just bureaucracy wrapping itself in red tape.

Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a boat: I question your authority on placing any requirement upon suction dredgers in this matter, other than to prohibit the spillage of fuel. Millions of boaters all over California

are allowed to keep fuel safely in their boats. Your proposed regulations would prohibit suction dredgers from doing the very same thing!

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Returning the site to the pre-mining grade to the greatest extent possible: Since it is impossible to move tailings and rocks upstream against any current, the requirement to fill in our holes and level off our tailings is unrealistic. The dredge holes which I leave behind create cool water refuges where salmon and other fish hold up during the warm summer months. My piled cobbles create protected habitat where fingerlings can hide from predators. I have seen many salmon and trout feeding from my tailings as the insects are washed free.

Dredge mining between one half hour after sunrise to sunset: How did this even get proposed? Your authority is limited to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Finally, the proposed regulations should allow visitors from other countries to use a foreign passport or driver's license as identification so they can apply for nonresident suction dredge permits. Otherwise, California will be discouraging the many visitors which we already receive that like to do their gold prospecting here. Your non-resident license fee is already sufficiently expensive to discourage many.

Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely,

Michelle Scott 682 Pine Meadows #1 Sparks, NV 89431 Subject:Proposed Dredge regulationsDate:Thursday, April 14, 2011 7:03:18 PM PTFrom:RichardTo:dfgsuctiondredge@dfg.ca.govMark StopherCalifornia Department of Fish and Game601 Locust StreetRedding, CA 96001Fax: (530) 225-2391 E-mail: dfgsuctiondredge@dfg.ca.gov

Dear Sir,

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**DFG should not further-limit the places where dredging is allowed:** This proposal is just supported by your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact has been created under the existing regulations, please leave our seasons as they have been since 1994.

**Reduction of our existing dredging seasons is unreasonable:** I do not see that the SEIR contains evidence of any deleterious impact upon fish to support the reduction of existing dredging seasons. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the existing regulations, you should leave our seasons as they have been since 1994.

The proposed 3-foot rule is arbitrary: The SEIR has not presented any real evidence that dredging within three feet of the streambank has ever harmed a single fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

Suction dredge regulations should not impose the requirement of Section 1600 Agreements: Fish & Game Section 5600 already allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, also imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. Nobody else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers. This also applies to the use of power winches, which provide the only safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger unless the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

Imposition of the 3/32-inch intake requirement on pumps is unreasonable: The 1994 regulations already prohibit dredge operation at times when fish may be too small to swim away from pump intakes as they are already being manufactured.

**Permits should be valid in any dredgable state water:** Since existing regulations already set the times and places where dredging is not deleterious to fish, I do not see any practical reason to force dredge-miners to inform DFG exactly where they are dredging. Indeed, I think this is an intrusive invasion of privacy. Since I intend to **prospect**, I will not know the exact locations where I will be dredging at the time I apply for my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

The proposed dredge marking system is not workable: There is no practical way of attaching a sign to a small dredge! What does this have to do with preventing a deleterious impact upon fish? This is just bureaucracy wrapping itself in red tape.

Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a boat: I <u>question your authority</u> on placing <u>any</u> requirement upon suction dredgers in this matter, other than to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in their boats. Your proposed regulations would prohibit suction dredgers from doing the very same thing! **Disturbance of mussel beds:** It is unreasonable to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40 muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this imposition would amount to a suction dredge prohibition in a large part of the waterway! And since there are so many, why? How does the protection of mussels from dredge-miners conform to the language of Section 5653? Please drop this silly mussel idea from final regulations.

Returning the site to the pre-mining grade to the greatest extent possible: Since it is impossible to move tailings and rocks upstream against any current, the requirement to fill in our holes and level off

our tailings is unrealistic. The dredge holes which I leave behind create cool water refuges where salmon and other fish hold up during the warm summer months. My piled cobbles create protected habitat where fingerlings can hide from predators. I have seen many salmon and trout feeding from my tailings as the insects are washed free.

**Dredge mining between one half hour after sunrise to sunset**: How did this even get proposed? Your authority is limited to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Finally, the proposed regulations should allow visitors from other countries to use a foreign passport or driver's license as identification so they can apply for nonresident suction dredge permits. Otherwise, California will be discouraging the many visitors which we already receive that like to do their gold prospecting here. Your non-resident license fee is already sufficiently expensive to discourage many.

Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely,

**Richard Scott** 

Subject: DFG's Proposed Dredge Regulations in California

Date: Wednesday, April 13, 2011 4:40:46 PM PT

From: Henry A Sisler

To: dfgsuctiondredge@dfg.ca.gov

Mark Stopher

Dear Sir,

AS A Impendent Small Weekend Gold dredger in California, for over 12 years now, Please consider my following comments regarding the SEIR

and Proposed Regulations for suction dredgeSEIR Baseline is wrong: I take strong exception to the Department using an arbitrary and misleading( No Proof Study, on the effects of dredging.) baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appeargreater than they really are, and in an attempt to marginalize the serious economic and social impacts to proper baseline that is based upon existing dredge and small business activity

under the 1994 regulations during the season before the moratorium was imposed. Mercury is not a problem: Your SEIR relies unreasonably upon the unfounded conclusions of

Charles Alpers who has allowed his personal

political agenda get in the way of real science. The SEIR does not give enough weight to the discovery by Rick Humphries Report of California

Water Resources ControlBoard that normal gold dredges are effective at recovering at least 98% of the mercury from the bottom of California's waterways.

(.I myself have collected a lot of Mercury in several different rivers in CA..as well as WA state,) The SEIR does not acknowledge, based upon your own survey results, that suction dredgers have been removing over 7,000 ounces of mercury or more every year

under the 1994 regulations from California's waterways. That amounts to 98,000 ounces during the 14 years we operated under the 1994 regulations!

Adoption of the SEIR position would be fundamentally unreasonable in a context where the mercury is inevitably migrating downstream to areas where it is believed to be potentially harmful.

Since California State agencies are doing nothing to remove mercury from California's activewaterways, it is grossly irresponsible to point the finger at suction dredgers who are the only

ones

that are removing the mercury, at no cost to the taxpayers!Rather than reduce the amount of mercury which we are removing from the ecosystem, the responsible

approach for State agencies would be to create a collection system in California which rewards dredgeminers for collecting and turning in mercury. Identification requirement:

The proposed regulations should allow visitors from other countries to use aforeign passport or driver's license as identification so they can apply for nonresident suction dredge

permits. Otherwise, California will be discouraging the many visitors which we already receive that like todo their gold prospecting here.DFG should not limit the number of suction dredging permits: There is no evidence presented in theSEIR that 14 years of dredging under the 1994 regulations ever

harmed a single fish, much less threatened the viability of an entire species What if I want to operate a dredge in some part of California where therewould not be a deleterious

impact? A limit on permits may prohibit me or someone else from using a suction dredge without a viable reason. Allowing additional dredge permits after site inspection: In the event that

DFG decides to impose (reasonable) limits in a blanket statewide permit program that will allow for most suction dredgers, I do not believe DFG has the authority to declare a wholesale prohibition

to dredge mining in the other vast areaswhich exist on the public lands that would not be covered by the blanket permit. DFG has a site inspection mechanism allowing you to consider more individualized impacts in areas, and during time periods, when and where dredging would not be allowed in a statewide program.On site inspections should be immediately signed off when approved: There should not be a delay in signing off on a site inspection in cases where DFG officials cannot

identify a

deleterious impact. There should be a time limit in the regulations in which the application will be approved or disapproved. Due process should be allowed if I desire to appeal an application which has

been disapproved. Prior existing rights on permit acquisition: There must be an allowance for prior existing rights on a limited permit program. Otherwise, dredge-miners who have already invested in property and equipment could potentially lose our prior existing right to work our mining claims or other mining opportunities (belonging to an association that provides access to mining property).

Statewide permits, if limited, should be transferable: Permits should be transferable if there is going to be a limit on the number allowed under a statewide program. Otherwise, miners will make the substantial

investment into developing a viable mine and then not be able'to transfer ownership to someone new who will be able to dredge it, therefore losing some or most of the value.DFG should not further-limit

the size of dredges under the statewide permitting program:( I personaly use a 6`` dredge with a tribble box, loosing nothing in small gold, 5`intake), I do not believe that DFG has the authority to step onto

the public lands and impose a permit restriction upon the productive capacity of my dredge without also coming up with specific reasons why existing capacities under the 1994 regulations are creating

a

deleterious impact upon fish. Please leave nozzle restriction sizes as they were in the 1994 regulations. The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch (diameter) is reasonable. Allowing larger-sized nozzles after site inspection:

If a dredger wants to operate a dredge having a larger nozzle than is allowed under a statewide permitting scheme,

the Department should allow the activity as long as no deleterious impact can be determined though a site inspection. DFG should not further-limit the places where dredging is allowed: This proposal is just

supported by your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact has been created under the existing regulations, please leave our seasons as they have

been since 1994. Gold miners should be afforded due process, and should be allowed to proceed in areas which are not allowed under a statewide permit, as long as a site inspection cannot turn up evidence of a deleterious impact. Reduction of our existing dredging seasons is unreasonable: I do not see that the SEIR containsevidence of a deleterious impact upon fish to support the reduction of existing dredging seasons

that are in the 1994 regulations. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the

existing regulations, you leave our seasons as they have been since 1994. The proposed 3-foot rule is unreasonable: The SEIR has not presented any real evidence that dredging within three feet of the stream bank

has ever harmed a single fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging

within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge

mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is

### partially out

of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges

more and more out of the water as the dry season evolves? Existing language is not clear enough. The

proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining

## opportunities.

Suction dredge regulations should not impose the requirement of Section 1600 Agreements: Fish & Game Section 5600 already allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, also imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than

#### is

allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition

upon

dredge-miners. Nobody else in California is required to pursue a Section 1600 permit until their activity

rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the only safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that

are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger unless the

surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code. Imposition of the 3/32-inch intake requirement on pumps is unreasonable: The 1994 regulations already prohibit dredge operation at times when fish may be too small to swim away from pump

## intakes as

they are already being manufactured.

Most dredges today are being produced using 3/16th inch or 15/64th inch holes for the pump intakes. To

avoid conflict, you should adopt something larger than the two hole sizes which are already being used on

# most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times and

places where dredging is not deleterious to fish, I do not see any practical reason to force dredgeminers to

inform DFG exactly where they are dredging – and then hold them to the location unless the permit is

# amended.

Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for

my permit. You should broaden the location requirement in your permit application to naming the

waterways where I intend to work. This will allow me some flexibility to move around in search of gold

without having to make an expensive trip to the closest Department license sales office to amend my permit.

The proposed dredge marking system is not workable: There is no practical way of attaching a sign

to a

small dredge! What does this have to do with preventing a deleterious impact upon fish?

If you must have an identification number on my dredge, you should eliminate the requirement of 3-

inch

number and allow the numbers to be marked either on the pontoons or the sluice box, but only if it is

possible to do so. This would allow smaller numbers in the case of smaller dredges.

Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a boat: I question your authority on placing any requirement upon suction dredgers in this matter,

other than

to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in

their boats. Your proposed regulations would prohibit suction dredgers from doing the very same thing!

- There are plenty of effective ways to prevent fuel from leaking into the waterway without making a dredge miner
- hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are

already

routinely part of a dredge program to assist with cleanup of concentrates.

- Disturbance of mussel beds: It is unreasonable to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40
- muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this
- imposition would amount to a suction dredge prohibition in a large part of the waterway! And why, since

there are so many? How does the protection of mussels from dredge-miners conform to the language of

Section 5653? Please drop this silly mussel idea from final regulations.

Returning the site to the pre-mining grade to the greatest extent possible: Since it is impossible to move tailings and rocks upstream against a swift current, the requirement to fill in our holes and

#### 041411 Camille

Reduction of our existing dredging seasons is unreasonable: I do not see that the SEIR contains evidence of a deleterious impact upon fish to support the reduction of existing dredging seasons that are in the 1994 regulations. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the existing regulations, you leave our seasons as they have been since 1994.

The proposed 3-foot rule is unreasonable: The SEIR has not presented any real evidence that dredging within three feet of the streambank has ever harmed a single fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining opportunities.

Suction dredge regulations should not impose the requirement of Section 1600 Agreements: Fish & Game Section 5600 already allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, also imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. Nobody else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the only safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger unless the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

Imposition of the 3/32-inch intake requirement on pumps is unreasonable: The 1994 regulations already prohibit dredge operation at times when fish may be too small to swim away from pump intakes as they are already being manufactured.

Most dredges today are being produced using 3/16<sup>th</sup> inch or 15/64<sup>th</sup> inch holes for the pump intakes. To avoid conflict, you should adopt something larger than the two hole sizes which are already being used on most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times and places where dredging is not deleterious to fish, I do not see any practical reason to force dredge-miners to inform DFG exactly where they are dredging - and then hold them to the location unless the permit is amended.

Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

**The proposed dredge marking system is <u>not</u> workable:** There is no practical way of attaching a sign to a small dredge! What does this have to do with preventing a deleterious impact upon fish?

If you must have an identification number on my dredge, you should eliminate the requirement of 3-inch number and allow the numbers to be marked either on the pontoons or the sluice box, but <u>only</u> if it is possible to do so. This would allow smaller numbers in the case of smaller dredges.

**Fuel should be allowed within 100 feet of the waterway if kept within a water-tight container or a boat:** I question your authority on placing <u>any</u> requirement upon suction dredgers in this matter, other than to prohibit the spillage of fuel. Millions of boaters all over California are allowed to keep fuel safely in their boats. Your proposed regulations would prohibit suction dredgers from doing the very same thing!

There are <u>plenty</u> of effective ways to prevent fuel from leaking into the waterway without making a dredgeminer hike 100 feet up the embankment. At the very least, fuel can be placed inside of a boat, or inside a sealed catch tub of some kind up on the embankment to prevent leakage. These catch tubs are <u>already</u> routinely part of a dredge program to assist with cleanup of concentrates.

**Disturbance of mussel beds:** It is <u>unreasonable</u> to propose that every suction dredger must now do a survey before dredging to make certain that there is no place within 30 feet downriver where more than 40 muscles per square yard exist before dropping tailings! Some rivers are so inundated with muscles; this imposition would amount to a suction dredge prohibition in a large part of the waterway! And why, since there are so many? How does the protection of mussels from dredge-miners conform to the language of Section 5653? Please drop this silly mussel idea from final regulations.

**Returning the site to the pre-mining grade to the greatest extent possible:** Since it is <u>impossible</u> to move tailings and rocks upstream against a swift current, the requirement to fill in our holes and level off our tailings is unrealistic.

Ample evidence shows that salmon are <u>less</u> likely to place their redds in a heaped tailing pile, than they are on a pre-mining grade which is inundated with unstable gravel; so your proposal will actually create <u>more</u> harm than good! The dredge holes which I leave behind create cool water refuges where salmon and other fish hold up during the warm summer months. My piled cobbles create protected habitat where fingerlings can hide from predators. It would be better for the fish if we just allow Mother Nature to settle things out in the next storm event.

**Dredge mining between one half hour after sunrise to sunset**: Your authority is <u>limited</u> to preventing a deleterious impact upon fish. Please drop this from proposed regulations and leave this particular concern to local authorities where it belongs.

Thank you very much for giving careful consideration to my comments and suggestions!

Sincerely.

We usually stay from Mid-May to Mid-Oct in N. CA for dredging. We support the local economy wherever we stay. And yes, we have never harmed a fish. 050211\_Thayer

#### **Mark Stopher**

California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: <u>dfgsuctiondredge@dfg.ca.gov</u>

Dear Sir,

Please consider my following comments regarding the SEIR and Proposed Regulations for suction dredge mining in California:

**SEIR Baseline is wrong:** I take <u>strong</u> exception to the Department using an arbitrary and misleading baseline within the SEIR in an underhanded attempt to make the impacts from suction dredging appear greater than they really are, and in an attempt to marginalize the <u>serious</u> economic and social impacts to Americans which would result from your proposed regulations. You should use a <u>proper</u> baseline that is based upon existing dredge and small business activity under the 1994 regulations during the season before the moratorium was imposed.

**Mercury is <u>not</u> a problem:** Your SEIR relies unreasonably upon the unfounded conclusions of Charles Alpers' who has allowed his personal political agenda get in the way of real science. The SEIR does <u>not</u> give enough weight to the discovery by Rick Humphries Report of California Water Resources Control Board that normal gold dredges are effective at recovering <u>at least</u> 98% of the mercury from the bottom of California's waterways.

The SEIR does <u>not</u> acknowledge, based upon your own survey results, that suction dredgers have been removing over 7,000 ounces of mercury or more <u>every</u> year under the 1994 regulations from California's waterways. That amounts to 98,000 ounces during the 14 years we operated under the 1994 regulations! Adoption of the SEIR position would be fundamentally unreasonable in a context where the mercury is inevitably migrating downstream to areas where it is believed to be potentially harmful.

Since California State agencies are doing <u>nothing</u> to remove mercury from California's active waterways, it is grossly irresponsible to point the finger at suction dredgers who are the <u>only</u> ones that are removing the mercury, at no cost to the taxpayers!

Rather than reduce the amount of mercury which we are removing from the ecosystem, the responsible approach for State agencies would be to create a collection system in California which <u>rewards</u> dredgeminers for collecting and turning in mercury.

**Identification requirement:** The proposed regulations should allow visitors from other countries to use a foreign passport or driver's license as identification so they can apply for nonresident suction dredge permits. Otherwise, California will be discouraging the many visitors which we <u>already</u> receive that like to do their gold prospecting here.

**DFG should not limit the number of suction dredging permits:** There is no evidence presented in the SEIR that 14 years of dredging under the 1994 regulations <u>ever</u> harmed a <u>single</u> fish, much less threatened the viability of an entire species. What if I want to operate a dredge in some part of California where there would not be a deleterious impact? A limit on permits may prohibit me or someone else from using a suction dredge without a viable reason.

Allowing additional dredge permits after site inspection: In the event that DFG decides to impose (reasonable) limits in a blanket statewide permit program that will allow for most suction dredgers, I do not believe DFG has the authority to declare a wholesale prohibition to dredge mining in the other vast areas which exist on the public lands that would not be covered by the blanket permit. DFG has a site inspection mechanism allowing you to consider more individualized impacts in areas, and during time periods, when and where dredging would not be allowed in a statewide program.

**Onsite inspections should be immediately signed off when approved:** There should <u>not</u> be a delay in signing off on a site inspection in cases where DFG officials cannot identify a deleterious impact. There should be a time limit in the regulations in which the application will be approved or disapproved. Due process should be allowed if I desire to appeal an application which has been disapproved.

**Prior existing rights on permit acquisition**: There <u>must</u> be an allowance for prior existing rights on a limited permit program. Otherwise, dredge-miners who have already invested in property and equipment could potentially lose our prior existing right to work our mining claims or other mining opportunities (belonging to an association that provides access to mining property).

**Statewide permits, if limited, should be transferable:** Permits should be transferable if there is going to be a limit on the number allowed under a statewide program. Otherwise, miners will make the substantial investment into developing a viable mine and then not be able to transfer ownership to someone new who will be able to dredge it, therefore losing some or most of the value.

**DFG should not further-limit the size of dredges under the statewide permitting program**: I do not believe that DFG has the authority to step onto the public lands and impose a permit restriction upon the productive capacity of my dredge without also coming up with specific reasons why existing capacities under the 1994 regulations are creating a deleterious impact upon fish. Please leave nozzle restriction sizes as they were in the 1994 regulations.

The regulations should also allow a wear tolerance factor on nozzle restrictor rings. I suggest 3/8 of an inch (diameter) is reasonable.

Allowing larger-sized nozzles after site inspection: If a dredger wants to operate a dredge having a larger nozzle than is allowed under a statewide permitting scheme, the Department should allow the activity as long as no deleterious impact can be determined though a site inspection.

**DFG should not further-limit the places where dredging is allowed:** This proposal is just supported by your "precautionary approach." Except for those areas where you can demonstrate that a deleterious impact has been created under the existing regulations, please leave our seasons as they have been since 1994.

Gold miners should be afforded due process, and should be allowed to proceed in areas which are not allowed under a statewide permit, as long as a site inspection cannot turn up evidence of a deleterious impact.

**Reduction of our existing dredging seasons is unreasonable:** I do not see that the SEIR contains evidence of a deleterious impact upon fish to support the reduction of existing dredging seasons that are in the 1994 regulations. This proposal is only supported by your "precautionary approach." Except for those time periods where you can demonstrate that a deleterious impact has been created under the existing regulations, you leave our seasons as they have been since 1994.

**The proposed 3-foot rule is unreasonable:** The SEIR has not presented any <u>real</u> evidence that dredging within three feet of the streambank has <u>ever</u> harmed a <u>single</u> fish. This prohibition would prevent beginners, non-swimmers or children from starting closer to the shore where water is shallower and more safe. Prohibiting dredging within three feet of the edge of the river will eliminate a significant portion of the operational value (perhaps even all of it) on some dredging properties.

It would be more productive to provide better language describing what the "bank" is in relation to dredge mining. For example, is there a "bank" in relationship to a gravel bar out in the waterway that is partially out of the water? What about a bar alongside the waterway that is submerged during the spring, but emerges more and more out of the water as the dry season evolves? Existing language is not clear enough. The proper answer is to clear that up, rather than impose an additional buffer zone which reduces our mining opportunities.

**Suction dredge regulations should not impose the requirement of Section 1600 Agreements:** Fish & Game Section 5600 <u>already</u> allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, <u>also</u> imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. <u>Nobody</u> else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the <u>only</u> safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger <u>unless</u> the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

**Imposition of the 3/32-inch intake requirement on pumps is unreasonable:** The 1994 regulations <u>already</u> prohibit dredge operation at times when fish may be too small to swim away from pump intakes as they are already being manufactured.

Most dredges today are being produced using 3/16<sup>th</sup> inch or 15/64<sup>th</sup> inch holes for the pump intakes. To avoid conflict, you should adopt something larger than the two hole sizes which are already being used on most dredges in California.

Allowance of permit locations must be more broad: Since existing regulations already set the times and places where dredging is not deleterious to fish, I do not see <u>any</u> practical reason to force dredge-miners to inform DFG <u>exactly</u> where they are dredging – and then hold them to the location unless the permit is amended.

Since I intend to prospect, I will not know the exact locations where I will be dredging at the time I apply for my permit. You should broaden the location requirement in your permit application to naming the waterways where I intend to work. This will allow me some flexibility to move around in search of gold without having to make an expensive trip to the closest Department license sales office to amend my permit.

The proposed dredge marking system is not workable: There is no practical way of attaching a sign to a small dredge! What does this have to do with preventing a deleterious impact upon fish?

If you must have an identification number on my dredge, you should eliminate the requirement of 3-inch number and allow the numbers to be marked either on the pontoons or the sluice box, but only if it is possible to do so. This would allow smaller numbers in the case of smaller dredges.

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A Thay 3700 S. Westport Ave #1850 Ayer Sioux Falls, SD 57106 OR Sincerely, Name and Address Date

by Mike Thayer 3700 S. Westport Ave # 1850 Sioux Falls, SD 57106 5/2/11

### 041811\_Wright

Mark Stopher

California Department of Fish and Game 601 Locust Street Redding, CA 96001 Fax: (530) 225-2391 E-mail: dfgsuctiondredge@dfg.ca.gov

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Since California State agencies are doing <u>nothing</u> to remove mercury from California's active waterways, it is grossly irresponsible to point the finger at suction dredgers who are the <u>only</u> ones that are removing the mercury, at no cost to the taxpayers!

Rather than reduce the amount of mercury which we are removing from the ecosystem, the responsible approach for State agencies would be to create a collection system in California which <u>rewards</u> dredgeminers for collecting and turning in mercury.

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**Suction dredge regulations should not impose the requirement of Section 1600 Agreements:** Fish & Game Section 5600 <u>already</u> allows a site inspection mechanism for the Department to determine if a dredging program is deleterious to fish. Therefore, <u>also</u> imposing a Section 1600 requirement upon dredgers who wish to mine at a time or location that is otherwise closed, or to use larger nozzle than is allowed under a statewide permit, when there is little or no chance the dredge project will create a substantial impact upon the bed or bank of the waterway, would be an unreasonable imposition upon dredge-miners. <u>Nobody</u> else in California is required to pursue a Section 1600 permit until their activity rises to the level of requiring one. It should not be any different for suction dredgers.

This also applies to the use of power winches, which provide the <u>only</u> safe and efficient means of progressing when some rocks are too heavy to move by hand, or they cannot be rolled over other rocks that are in the way. You should not impose a 1600 Agreement requirement upon a gold dredger <u>unless</u> the surface disturbance rises to the level which triggers Section 1600 of the Fish & Game Code.

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S 2022 CRESTWOOD UN 4-29-2011 KELSO, WA 98626 Date Name and Address

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