- KENAI RIVER
- WOMEN'S BAY
- KODIAK LAKES (6

From:	Patrick-Riley, Kent
To:	Grant, Drew
Cc:	Rieth, Bill; Rumfelt, Tim; Hock, Jeff; Buchholz, Les
Subject:	comments on 303 (d) lists
Date:	Monday, January 05, 1998 3:06PM

- HOOD LAKE/CK
- SHIP CK.
- CHERRY HILL
LOST HBR

Here are my preliminary comments on the lists. Note that these are just quick ones, not detailed findings.

Comments directed towards those in SouthCentral alone.

Nominated waterbodies list
Cook Inlet
While there has been suscipion on parts of some groups that Cook Inlet has water quality problems, I have not seen any documentation demonstrating exceedances of criteria.

Kenai: I will defer to Les. For your and his info, the Kenai bioassessment protocol study done by ENRI this summer is nearing finalization. At we don't currently have biological criteria in the WQ regs, I don't think that we can demonstrate violation of WQ standards of the streams sampled during the study.

Kodiak - I'm unsure if Les has info on waterbodies there, but in case not, here's some info:

Womans Bay: There are numerous contaminated sites around this Bay, I am unaware of any documentation showing persistent WQ violations.

Several lakes on Kodiak had testing performed by Clean Lakes for Kodiak (subcommittee of Kodiak Soil and Water Conservation district). Their report ((An Assessment of the Character and Health of Kodiak's Urban Watershed and Lake. It is unclear as to level of QA/QC and number of samples, and over what timeframe sampling was performed. With that caveat, data reported for the following waterbodies and parameters indicate possible impairments:

1. Upper Horseshoe Lake: Fecal coliform (6 samples, average = 574. max = 2430, 2 of 6 > 100)
2. Lower Horseshoe Lake: Fecal coliform (6 samples, average = 840, max '40, 3 of 6 > 100), Turbidity (NTU of 48), Color (41 pt units) - report indicates above natural conditions)
3. Beaver Lake: Fecal Coliform (7 samples, average = 1120, max T00, 5 of 7 >100)
4. Island Lake: Fecal Coliform (8 samples, Average 440, max = 1800, 6 of 8 >100)
5. PotatoPatch Lake: Fecal Coliform (6 samples, average = 157, max = 470 2 of 6> 100)
6. Mission Lake: Fecal Coliform (7 samples, average = 243, max = 800, 3 of 7 > 100); possibly pH, average of 8.34, some over 9.3; other lakes in area have pH between 6.5 and 7)

Hood Creek (not on list)

Flows from Hood lake. Several problems reported this summer by residents in area. Rumfelt and I inspected it. seems to have turbidity problems from stormwater inflows. Didn't conduct testing.

Tier I

Ship Creek: assessment just about complete, validates finding of fecal coliform; petroleum.

Tier II
Eagle River Flats?
this is an area with a river, numerous sloughs and intermittent ponds, and tidal influence. Recommend clarifying what waterbody is being put forth rather than broad generalization.

Fish Creek

I doubt that the MOA stormwater plan will deal with Fish creek Fecal coliform, but don't know what would.

Tier III
Hood Spenard Lake
Should not be listed for lead, nitrates or phosphates (lead levels are below criteria, we don't have criteria for phosphates, nitrates not exceded). Should be listed for Dissolved gases, based on our 1996 study.

Tier IV
Cherry Hill Creek
States "the waterbody is not considered a water source, but instead a stormwater receptor/collector/discharge system/." Based on my inspection this summer, this statement should be omitted or qualified. While it does appear true for most of the run of the creek (2-3 miles?) it is not true for a ¼ mile stretch where it passes through the bluff."

Tier IV
Lost Harbor
Do we have anything in our files which indicate that it currently meets criteria. While the dumping may have been eliminated, was the dumped stuff ever cleaned up?

• WOMEN'S BAY
• POTATO PATCH

Grant, Drew
From: Patrick-Riley, Kent
Sent: Tuesday, January 06, 1998 4:50 PM
To: Grant, Drew
Subject: FW: comments on 303 (d) lists

From: Rieth, Bill
To: Patrick-Riley, Kent
Subject: RE: comments on 303 (d) lists
Date: Tuesday, January 06, 1998 3:44PM

KODIAK LAKES;

Women's Bay has had impacts and will continue to recieve hits to say it is impared to restrict use as recreation is not what I would require. The in town lakes need to continue monitoring to be able to judge conditions. I would like to see more trends rather that one set of high reading which may be caused by the Boy scouts having a retreat at their camp at the lake. Feel to limited a data gathering to call solutions.

Potato Patch Lake is a highly productive spawning site and also a lake that has a large part of the towns drainage going through it. I see it as a lake that could be helped by small projects.

Spend some money but wisely follow the Clean Lakes for Kodiak lead on projects because they are in the know for each of their lakes. Tide gates are needed, steep pass, sand for spawning and other items as they see the need. Yet what we need to be is supportive of their ideas.

From: Patrick-Riley, Kent
To: Rieth, Bill
Cc: Sundet, Rich; Buchholz, Les
Subject: RE: comments on 303 (d) lists
Date: Tuesday, January 06, 1998 3:15PM

It still lists Red lake. I'll call Rich to find what's happening there.

Whats your thought on the rest of the kodiak waterbodies?
Kent

From: Rieth, Bill
To: Patrick-Riley, Kent
Subject: RE: comments on 303 (d) lists
Date: Tuesday, January 06, 1998 2:37PM

I don't suppose that the list included Red lake near the Highway-Aviation Building in Kodiak even though we had some sampling going on and an inconclusive report done. No I don't still have copies of the sampling yet would wonder what the results were.

GIBSON COVE
WOMEN'S BAY
ESKIMO CK.

Decker, Eric

From: Erickson, Bruce
To: Decker, Eric
Subject: RE: BPJ documentation on 303(d) list - request for short write-ups
Date: Monday, April 10, 1995 2:30PM

Following are my comments on the water quality problems in Gibson Cove, Women's Bay and Eskimo Creek.

The main problems in Gibson Cove are the fish waste discharges from the Kodiak Fish Meal Plant and the Fish processor located in the cove. The processor also discharges treated domestic waste into the cove. There is little flushing action in the cove and even though the fish waste discharged near the entrance to the cove we have photos and video showing the waste moving back into the cove. It should also be noted that the Clean Lakes For Kodiak a water watch group has begun to sample the cove and for temperature, D.O., Ph, and fecal coliform. The first samples show fecal coliform levels of 400 colonies/100 ml. above the water quality standard. more information should be forth coming from this group. To fix this problem the permits need to be amended to move all the discharges including the domestic waste, dock washings and fish transfer water outside the cove where it will not return to the cove.

Women's bay no longer has any ongoing discharges with the exception of a new log loading operation at the upper end and so far with minor exceptions it has been a clean operation. The USCG has constructed and interception trench and recovery wells on the ramp behind Hangar 1 to recover the spilled fuel from under the ramp. Also Lash dock is a far cleaner operation today, Therefore the only major oil contamination of this water body would be accidental spills from the ship operations in the bay.

The Eskimo Creek problem seems to be a moving target. We had the Air Force install an oil water separator on the oil seep and then plumb the discharge through the sewage lagoon which ended the oil contamination. They also upgraded the lagoon which corrected any problems from the Air Force. The Airport businesses first built a common septic tank and leach field, then they and the other businesses in the area connected to a new community sewage collection and treatment system built in King Salmon which ended the problems from their discharges to the creek. However the Air Force recently as part of their standown wanted to close the sewage lagoon and truck the waste to the New King Salmon treatment facility. The department has said no to this proposal until they have located the source of the oil seep and corrected it. This is because the seep has flowed for years and is still flowing therefore it is not an old spill and is from something still leaking. This is because they intend to keep the fuel facility fully operational.

Now for the second part of the problem. Las summer we were notifies of a second oil seep in the creed this one is down on the lower end of the creek near the point where it flows into the Naknak river. We are presently investigate this seep and suspect it is from a leaking underground tank. This tank is not regulated and we are trying to get the owner to test it. If he does not test the tank we have 470 money to do it ourselves. The solution to this problem is to locate the source and eliminate it and we are doing just that.

From: Decker, Eric
To: Erickson, Bruce @DIMOND
Cc: Sturdevant, Dave; Decker, Eric
Subject: RE: BPJ documentation on 303(d) list - request for short write-ups
Date: Thursday, April 06, 1995 7:53AM

Hi Bruce - just a friendly reminder regarding my March 17 request. EPA staff is coming up next week - we'll be reviewing all the waters where there is potential for TMDL listing disagreement; more specifically, when our recommendation is no TMDL and there call is yes. If we don't get your one page or so BPJ written documentation for Eskimo Ck.,, Woman's Bay, and Gibson Cove, chances for de-listing become significantly less. I need your info by cob Tuesday, April ~~18.~~ 11. Thanks. Eric

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From: Decker, Eric
To: Erickson, Bruce @DIMOND
Cc: Decker, Eric
Subject: BPJ documentation on 303(d) list - request for short write-ups
Date: Friday, March 17, 1995 12:48PM

Hi Bruce - I tried to return your call on Eskimo Ck. today but the line was disconnected or whatever when the receptionist tried to find you - anyway - I have a request for you as a follow-up to our previous discussions on proposed 303(d) waters.

I was going to ask you if you'd be willing to send me a short write-up on the following waters explaining why a water is or isn't impaired - and if impaired - what current remediation efforts are, or aren't underway to justify the listing decision. This documentation is what EPA will consider critical when making final TMDL determinations and will be good summary information for our files.

A one page or less summary write-up should be adequate. I've included the impairment and 303(d) decisions made to date below. Call me at 465-5305 if you have any questions or a problem in doing this. For now I didn't include the Unalaska area waters because I think (for now anyway) we have enough info. Thanks for your help! Eric

		Impaired?	303(d) list?
Eskimo Ck	Yes (PP lower 100 yds)	No	
Gibson Cove	Yes (fish waste/slime)	No	
Red Lake/Anton Rd. Pond (combined TMDL)	Yes (metals)	Yes	
Woman's Bay	No		No