

From: Ross, Peter (Pacific) <rosspe@dfo.mpo.com>
Sent: Friday, September 14, 2007 9:41 AM
To: Adkins, Bruce <AdkinsBr@pac.dfo-mpo.gc.ca>
Subject: FW: Further to Jeff Marliave's report of dead and moribund crabs

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Conducting science in support of healthy oceans and healthy marine mammals

-----Original Message-----

From: Ross, Peter (Pacific)
Sent: Friday, August 24, 2007 9:52 AM
To: Salomi, Corino; Reid, Bruce (Pacific)
Cc: Jamieson, Glen; Naito, Brian; Brown, Robin; Macdonald, Robie; Hutton, Karen
Subject: RE: Further to Jeff Marliave's report of dead and moribund crabs

Hi Corino-

the spills continue...!

I am not a crab expert but am doing some research on hydrocarbons in sediments, invertebrates and sea otters as part of a couple of projects. As you and I discussed recently, we at DFO (OHEB, Science and C&P) continue to experience a 'grey zone' in terms of understanding who should be doing or advising on marine impacts and monitoring when a spill happens (Point source discharge of a deleterious substance into fish habitat). Over the last 3.5 years, DFO viewed EC as the lead agency, but as we have seen, there has been little capacity or interest on EC's part to adopt this role.

Given outstanding public and environmental concerns about impacts on two high-profile incidents over the last month (Burrard Inlet pipeline rupture and Robson Bight Diesel spill), I would suggest the following:

1) on this specific question (crabs), that the Burrard Inlet REET formally request DFO Science advice, and that this be channelled through OHEB (perhaps this has already happened). I would also suggest that Robin Brown (Ocean Sciences Division Head) and Robie Macdonald (MEQ Section Head) channel this request into the Marine Environmental Quality Section (DFO-IOS Sidney). Suitable staff from MEQ, with support from Stock Assessment and OHEB, can then respond with succinct advice.

2) we convene a meeting of DFO staff this fall to clarify DFO's role, and solicit EC involvement so as to clarify who leads on marine impact assessment following spills. This would not be constrained to the BI spill, but would grow from lessons learned after several spills in recent years. I would nominate a number of key staff from OHEB, Science and enforcement.

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This email should not be construed as to complicate your request for advice, but reflects the lack of support for research, monitoring, enforcement on Section 36 and related sections of the Fisheries Act. By all means, feel free to call and we can see how to accelerate discussions.

With best regards,

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Conducting science in support of healthy oceans and healthy marine mammals

-----Original Message-----

From: Salomi, Corino
Sent: Thursday, August 23, 2007 10:47 AM
To: Jamieson, Glen
Cc: Phillips, Antan; Ross, Peter (Pacific); Naito, Brian
Subject: RE: Further to Jeff Marliave's report of dead and moribund crabs

Glen,

My questions were more crab specific given the recent reports - That's fine, Peter has already been in touch with us regarding harbour seal sampling. We will follow-up with him if there are further questions.

Thanks,

Corino

-----Original Message-----

From: Jamieson, Glen
Sent: August 23, 2007 10:03 AM
To: Salomi, Corino
Cc: Phillips, Antan; Ross, Peter (Pacific)
Subject: RE: Further to Jeff Marliave's report of dead and moribund crabs

I don't, but please check with Peter Ross, our pollution chemist.

Glen Jamieson, Ph.D.
Fisheries and Oceans Canada | Pacific Biological Station, Nanaimo, BC V9T 6N7

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-----Original Message-----

From: Salomi, Corino
Sent: August 23, 2007 9:48 AM
To: Jamieson, Glen; Phillips, Antan
Cc: Naito, Brian
Subject: FW: Further to Jeff Marliave's report of dead and moribund crabs

Glen,

Thank you for responding to my voicemail regarding the Burnaby oil spill for and providing Antan's name as a contact. The National Energy Board (NEB) is the lead federal agency on this spill. Kinder Morgan and their consultants are planning and conducting various impact assessment activities. DFO is providing support and advice to Environment Canada the lead agency with respect to Fisheries Act section 36 matters. While much attention has been given to intertidal shoreline clean-up and assessment there has been little subtidal assessment to date. We have been recommending that sub tidal assessment be carried-out to determine the presence of submerged oil or other impacts. As a result of Jeff Marliave's observations the NEB has indicated that they will follow-up on this matter. Would science branch be available to accept crab specimens for assessment? Do you have any recommendations for assessment work that we could pass on to Environment Canada and NEB?

Corino Salomi

Head, Habitat Section / Section de l'utilisation des terres Océans, Habitat and Enhancement / L'habitat et de la mise en valeur Lower Fraser (West) / Cours inférieur du Fraser Fisheries and Oceans Canada / Pêches et Océans Canada Telephone / Téléphone : (604) 666-8712 Facsimile / Télécopieur: (604) 666-6627

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-----Original Message-----

From: Baumann, Juergen [<mailto:Juergen.Baumann@portvancouver.com>]
Sent: August 23, 2007 9:17 AM
To: nebwestridgerelease@neb-one.gc.ca
Cc: Environmental Programs; Kee, Graham; Costley, Melanie; McMullin, Anne; McPherson, Sarah; Bamford, Katherine; Yandel, Barbara; Naito, Brian; Salomi, Corino; emergencies.pyr@ec.gc.ca; Patrick.Lambert@ec.gc.ca

Subject: Further to Jeff Marliave's report of dead and moribund crabs

Hi, all:

I spoke with Jeff Marliave this morning to follow up on yesterday's conversation and the subsequent dive at the same site as Tuesday's. He reported seeing many fish on this occasion (rockfish and ling cod). Crabs below about 40 feet appeared to be healthy while crabs shallower than that appeared to be lethargic. He conceded that the sunflower sea stars he mentioned yesterday may have been feeding on moulted shells. Regardless, we still feel that this requires further investigation.

VANCOUVER PORT AUTHORITY

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