

**From:** Yeow,Ayisha [PYR] <Ayisha.Yeow@ec.gc.ca>  
**Sent:** Tuesday, March 16, 2010 2:04 PM  
**To:** McNaughton,Beverly [PYR] <Beverly.McNaughton@ec.gc.ca>  
**Subject:** RE: Urgent - Sockeye Inquiry and databases.  
**Attach:** Fraser ENVIRODAT.xls

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Ok bev I added the Horsefly and the North Alouette. Does he also have a copy of the FRAP reports?

aY <<Fraser ENVIRODAT.xls>>

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**From:** McNaughton,Beverly [PYR]  
**Sent:** Tuesday, March 16, 2010 1:29 PM  
**To:** Yeow,Ayisha [PYR]  
**Subject:** FW: Urgent - Sockeye Inquiry and databases.

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**From:** McNaughton,Beverly [PYR]  
**Sent:** Tuesday, March 16, 2010 12:06 PM  
**To:** Carey,John [Burlington]  
**Cc:** McNaughton,Beverly [PYR]  
**Subject:** RE: Urgent - Sockeye Inquiry and databases.

Hello John,

I have attached 2 files on PY's Fraser River (and tributaries) monitoring stations. Each file identifies the station name, station coordinates along with the a start and end date of sample collection.

The first file (Fraser ENVIRODAT.xls) identifies stations for our existing database "ENVIRODAT" along with the sampling frequency. The core parameter list (below) is similar for all the ENVIRODAT stations, however these stations may have a few site-specific parameters as well. The second file (Fraser NAQ.xls) is for the old "NAQUADAT" database (Inland Waters Directorate). I am not totally sure what data are available in this database, but PY would have to download the data for the Commission as this database it not accessible. All the "ENVIRODAT" water quality data is available on the PY water quality website at [waterquality.ec.gc.ca](http://waterquality.ec.gc.ca). In addition, PY WQMS has a real-time monitoring station at Gravesend Reach on the main arm of the Fraser River initiated Dec, 2007 for continuous water quality data (pH, DO, conductivity, water temperature, turbidity). This station also has meteorological (wind speed, wind direction, air temperature, humidity) flow (velocity and direction) and water depth data.

<< File: Fraser ENVIRODAT.xls >> << File: Fraser NAQ.xls >>

Core monitoring parameters

Carbon, dissolved organic  
Chloride, dissolved  
Coliforms, fecal  
Colour, apparent  
Colour, true  
Conductivity, specific  
Flow<sup>2</sup>  
Hardness ICP (Na, K, Ca, Mg, S)-D  
Kit Preparation  
Nitrogen, total  
Nitrogen, total dissolved

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Nitrogen, nitrate+nitrite  
Nitrogen, nitrite  
Organo-halides, adsorbable (AOX)  
Oxygen, dissolved (field-EC)  
pH  
Phosphorus, total dissolved  
Temperature, air  
Temperature, water  
Turbidity

Metals, trace -total  
Phosphorus, total

Bev

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**From:** Carey,John [Burlington]  
**Sent:** Tuesday, March 16, 2010 10:28 AM  
**To:** Whitfield,Paul [PYP]; McNaughton,Beverly [PYP]; Abraham,Jim [Dartmouth]  
**Subject:** Urgent - Sockeye Inquiry and databases.

The subject of access to data relevant to the inquiry came up yesterday on a call. The Commission has asked for a list of the databases we hold that may be relevant to Fraser River and marine water quality, water quantity and climate change. They would like to know the software used to access the data.

It is likely that we will be asked to transfer copies of relevant data from the databases.

Can you get me some summary information on the data (# of stations, frequency, parameters) ASAP?

Thanks

John

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