

From: [Juergen Baumann](#)
To: [Chau, Lilian](#); [Brown, Carrie](#)
Subject: FW: Fraser Surrey Docks coal project impacts on Shadow Brook
Date: November-28-12 11:32:42 AM

Fyi

Juergen

From: Naito, Brian [<mailto:Brian.Naito@dfo-mpo.gc.ca>]
Sent: November-28-12 11:09 AM
To: Juergen Baumann
Subject: RE: Fraser Surrey Docks coal project impacts on Shadow Brook

Hi Juergen,

To reiterate our discussion this morning, I do not anticipate needing to issue a Fisheries Act Section 35(2)(b) authorization for the works in or about Shadow Brook if the works are as described in the information you provided in and with your email below including the implementation of mitigation measures such as riparian planting.

Brian

Brian G. Naito

Habitat Biologist | Biologiste de l'habitat

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From: Juergen Baumann [<mailto:juergen@jbaumann.ca>]
Sent: November 27, 2012 8:57 AM
To: Naito, Brian
Cc: 'Jurgén Franke'; Lilian.Chau@portmetrovanancouver.com; Brown, Carrie; Keskinen, Kim
Subject: Fraser Surrey Docks coal project impacts on Shadow Brook

Hi, Brian:

Thanks for calling me back this morning. As discussed, I have attached the following documents for your review of the possible Shadow Brook impacts:

- Surrey's drainage overview for the affected area;
- Triton's review of project effects on Shadow Brook and a tributary drainage ditch; and
- An AECOM drawing showing the proposed new rail track alignment.

I'm also attaching Triton's EMP for reference should you need further context. The only other works in the project that may affect fish and fish habitat is the installation of a number of steel

piles, which under normal circumstances we would deal with as a track one referral to the ERC.

To further clarify the Shadow Brook and drainage ditch effects:

- No disturbance expected below the top of bank of Shadow Brook;
- Riparian habitat loss here (87 m²) to be mitigated through riparian plantings of red osier dogwood and hard hack downstream of the project effects (130 m²);
- The ditch will have a culverted crossing;
- About 270 m² of riparian loss here (in a watercourse that is not fish bearing) to be mitigated through about 383 m² of riparian plantings of eight native species at the same location as the Shadow Brook plantings (for a total of about 513 m² of new plantings on Shadow Brook, which is fish bearing); and
- The new plantings will be monitored and maintained for success.

I understand that you are in training all day today, so I appreciate the time you are providing for this and understand that you may not be able to get back to me on this until tomorrow.

Thanks,
Juergen

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