

## Valsangkar, Neil TRAN:EX

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**From:** Pamela Ryan <pamryan@lucentstrategies.ca>  
**Sent:** Monday, April 7, 2014 3:31 PM  
**To:** Valsangkar, Neil TRAN:EX  
**Cc:** Freer, Geoff TRAN:EX; k.curry@delcan.com  
**Subject:** Re: PMV Email

Thx Neil. Is there anything else?

P

On 2014-04-07, at 2:23 PM, "Valsangkar, Neil TRAN:EX" <Neil.Valsangkar@gov.bc.ca> wrote:

See message below from Dennis Bickle.

Hoping to discuss with you before I call Dennis back...

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**From:** Neil Valsangkar [neil.valsangkar@suncoastconsulting.ca]  
**Sent:** April 7, 2014 2:05 PM  
**To:** Valsangkar, Neil TRAN:EX  
**Subject:** Fw: GMT Update

Sent from Windows Mail

**From:** Bickel, Dennis  
**Sent:** Monday, April 07, 2014 1:30 PM  
**To:** Neil Valsangkar

Hi Neil ,

Jennifer Natland forwarded your contact info. Wanted to touch base with you to determine if there was any other traffic info the Province was waiting on that we have yet to forward through to Delcan?

Let me know when you have a few mins to chat this week.

Thanks,

Dennis

Sent from my iPhone

## Valsangkar, Neil TRAN:EX

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**From:** Hart, Dave <DAVE.HART@portmetrovanancouver.com>  
**Sent:** Monday, July 14, 2014 10:59 AM  
**To:** Ryan, Pam S TRAN:EX; Valsangkar, Neil TRAN:EX  
**Cc:** Freer, Geoff TRAN:EX; 'Pamela Ryan'; Bickel, Dennis; Natland, Jennifer; Wellstood, Chris  
**Subject:** RE: PMV GMT Follow-Up

Thanks Pam.

Dave Hart  
Dredging Specialist, Operations

PORT METRO VANCOUVER  
100 The Pointe, 999 Canada Place  
Vancouver, BC Canada V6C 3T4  
direct: 604.665.9516 cell: s22  
main: 604.665.9000 fax: 1.866.284.4271 portmetrovanancouver.com | canadaplace.ca

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Canada Place, an inspiring national landmark, welcomes you to Canada's Pacific Gateway.

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

**From:** Ryan, Pam S TRAN:EX [<mailto:Pam.Ryan@gov.bc.ca>]  
**Sent:** July-14-14 10:57 AM  
**To:** Hart, Dave; Valsangkar, Neil TRAN:EX  
**Cc:** Freer, Geoff TRAN:EX; 'Pamela Ryan'; Bickel, Dennis; Natland, Jennifer  
**Subject:** RE: PMV GMT Follow-Up

Hi Dave,

s22 but I will check on this with the team and get back to you today.

Thanks.  
P

=====  
Pam Ryan | Tel: (604) 317-7262  
Ministry of Transportation & Infrastructure George Massey Tunnel Replacement Project  
2030 - 11662 Steveston Highway  
Richmond, BC V7A 1N6

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**From:** Hart, Dave [DAVE.HART@portmetrovanancouver.com]  
**Sent:** Monday, July 14, 2014 8:36 AM  
**To:** Valsangkar, Neil TRAN:EX  
**Cc:** Freer, Geoff TRAN:EX; Ryan, Pam S TRAN:EX; 'Pamela Ryan'; Bickel, Dennis; Natland, Jennifer  
**Subject:** RE: PMV GMT Follow-Up

Neil,

It has been nearly 6 weeks from our follow-up meeting on June 5th. The day after our meeting, I forwarded the email below which is based on my notes from our meeting. Any progress in preparing a drawing showing the navigation envelop as discussed?

At a Fraser River users meeting last week, this project was raised with a great deal of interest, understandably so. Transport Canada and PMV have agreed to meet regarding the navigation envelop requirements. Your drawing would be helpful for those discussions.

Thanks,

Dave Hart  
Dredging Specialist, Operations

[cid:image001.png@01CF9F3D.C5D70BE0]

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From: Hart, Dave  
Sent: June-06-14 3:14 PM  
To: Valsangkar, Neil TRAN:EX  
Cc: Freer, Geoff TRAN:EX; Ryan, Pam S TRAN:EX; 'Pamela Ryan'; Bickel, Dennis; Natland, Jennifer  
Subject: RE: PMV GMT Follow-Up

Neil,

Attached are the AutoCAD and Adobe drawings PMV had Buckland & Taylor prepare for the Lions Gate bridge. As discussed, similar drawings for the Massey bridge would be extremely useful.

CHS Definitions:

Higher high water mean tide (HHWMT)

The average from all the higher high waters from 19 years of predictions.

Lower low water large tide (LLWLT)

The average of the lowest low waters, one from each of 19 years of predictions.

Lower low water mean tide (LLWMT)

The average of all the lower low waters from 19 years of predictions.

Lowest normal tide (LNT)

In present usage it is synonymous with LLWLT, but on older charts it may refer to a variety of low water chart datum's.

Despite all the definitions above, mariners typically refer to the notes on the CHS chart as shown below . Please note the Low water information below has been rounded off as the low water at Deas is -1.84 and at Alex Fraser is -1.58.

[cid:image002.png@01CF9F3D.C5D70BE0]

Regards,

Dave Hart  
Dredging Specialist, Operations

[cid:image003.png@01CF9F3D.C5D70BE0]

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-----Original Appointment-----

From: Standbridge, Amber TRAN:EX

Sent: May-29-14 8:09 AM

To: Standbridge, Amber TRAN:EX; Bickel, Dennis; Hart, Dave; Valsangkar, Neil TRAN:EX; Meyboom, Joost TRAN:EX; 'Joost Meyboom ([MeyboomJ@mmm.ca](mailto:MeyboomJ@mmm.ca)<<mailto:MeyboomJ@mmm.ca>>); Ryan, Pam S TRAN:EX; 'Pamela Ryan'

Cc: Freer, Geoff TRAN:EX; Merle d'Aubigne, Timothee TRAN:EX

Subject: PMV GMT Follow-Up

When: June-05-14 3:00 PM-4:00 PM (UTC-08:00) Pacific Time (US & Canada).

Where: s15

Attendees:

Dave Hart

Dennis Bickel

Neil Valsangkar

Pam Ryan

Joost Meyboom

Alternate/Optional:

Geoff Freer

Timothée Merle d'Aubigné

Requested by Pam | Amber Standbridge

Executive Assistant

Direct: 604.660.8282 | Fax: 604.660.8020 Ministry of Transportation & Infrastructure George Massey Tunnel  
Replacement Project



LOCATION/LOCALITÉ	Geodetic Elevation/Altitude géodésique	
	of Chart Datum du zero des cartes	of High Water Datum extreme du pleine mer
	metres/mètres	metres/mètres
Steveston	-2.2	2.0
Deas Island	-1.8	2.0
Alex Fraser Bridge	-1.6	2.0
New Westminster	-1.3	2.1
Port Mann Bridge	-1.0	2.5