Appendix A4-4

Bay-Goose Dike TSS Event Email Correspondence

From: Stéphane Robert
Sent: Monday, July 27, 2009 8:06 AM
To: 'Wilson,Anne [Yel]'; 'Kevin Buck'; 'David Abernethy'; 'Liu, Amy'; 'Cooper, Gary'; 'Luis Manzo'; 'Stephen Hartman'; 'Andrew.Keim@inac-ainc.gc.ca'; 'dts@nunavutwaterboard.org'; 'Dionne@nunavutwaterboard.org'
Cc: Louise Grondin; Denis Gourde; Larry Connell; Rachel Gould
Subject: Bay Goose Dike construction
Attachments: Mead 2009 Sed Trap Locations.pdf; Mead 2009 Bay-Goose Routine TSS Locations.pdf

Hi

I want to inform you that we began the construction of the BayGoose dike this morning.

The preparation for the turbidity monitoring for the construction of the Bay Goose dike is ready

1. The sediment traps are installed in TPL and in SPL.
2. *Baseline* turbidity/WQ were completed on TPL.
3. Routine turbidity monitoring stations have been set-up

I will keep you inform of the results on a weekly basis.

If you have any questions do not hesitate to contact me on my cell 819 763-0229 or by email.

Have a good day

AGNICO-EAGLE

Stéphane Robert
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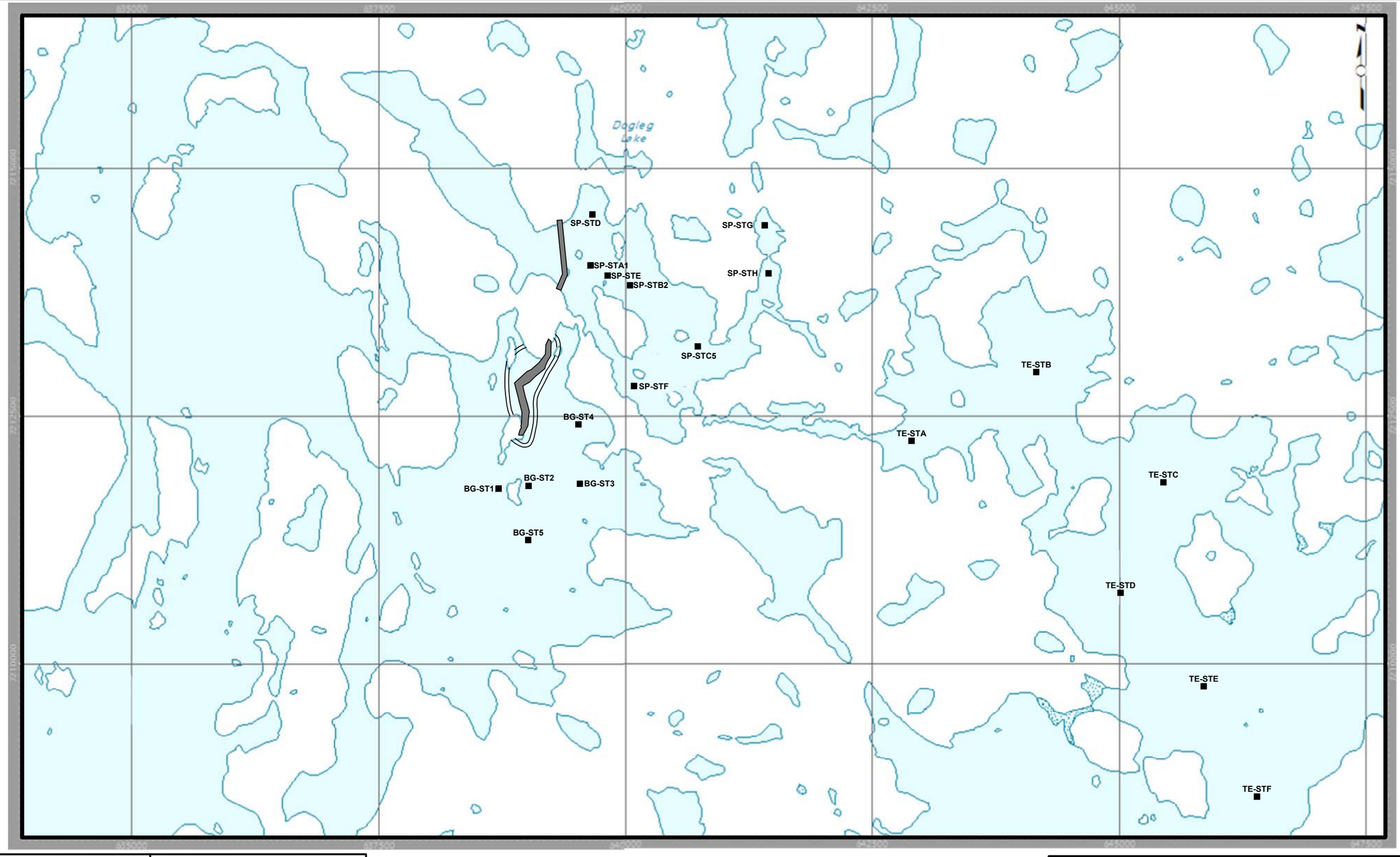
stephane.robert@agnico-eagle.com



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- o BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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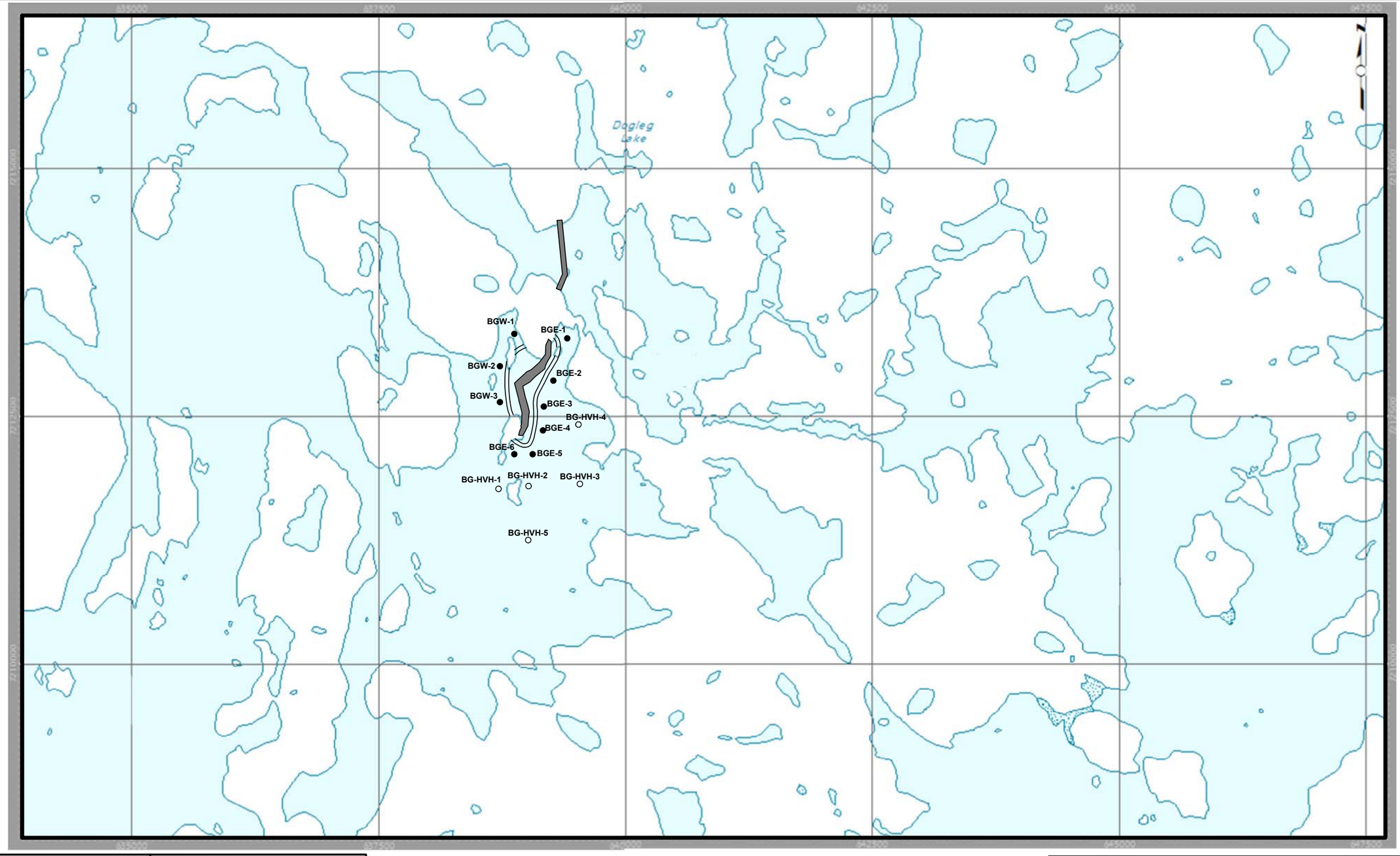
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

SEDIMENT TRAP LOCATIONS

FIGURE 1

BAY-GOOSE BROAD MAP.GRF



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

ROUTINE MONITORING STATIONS

FIGURE 1

BAY-GOOSE BROAD MAP.GRF

From: Stéphane Robert
Sent: Monday, August 03, 2009 5:22 AM
To: 'Wilson,Anne [Yel]'; 'Kevin Buck'; 'David Abernethy'; 'Liu, Amy'; 'Cooper, Gary'; 'Luis Manzo'; 'Stephen Hartman'; 'Andrew.Keim@inac-ainc.gc.ca'; 'dts@nunavutwaterboard.org'; 'Dionne@nunavutwaterboard.org'; 'Jackson Lindell'; 'Russell Toolooktook'
Cc: Louise Grondin; Denis Gourde; Larry Connell; Rachel Gould
Subject: Bay Goose Dike construction
Attachments: Bay-Goose TSS Figure 2 August 2009.pdf; Bay Goose August 1 2009.JPG

Hi

Here an update on the Bay Goose dike construction. Since July 27, approximately 140,000 tones of rock was use to build the Bay Goose dike. The turbidity monitoring at the 14 stations is done two times a day. All stations remain below relevant thresholds. There is a layer of turbid water detectable at station BGE-3 – this layer is around 12 to 18 meters below the surface (total depth is close to 25 meters).

The TSS values using a correlation curve for the Bay Goose dike construction are:

24 hr: 1 to 14 mg/L (limit 50 mg/L)
30 days: 0.6 to 4.8 mg/L (Limit 15 mg/L)

If you have any questions do not hesitate to contact.

Have a good day

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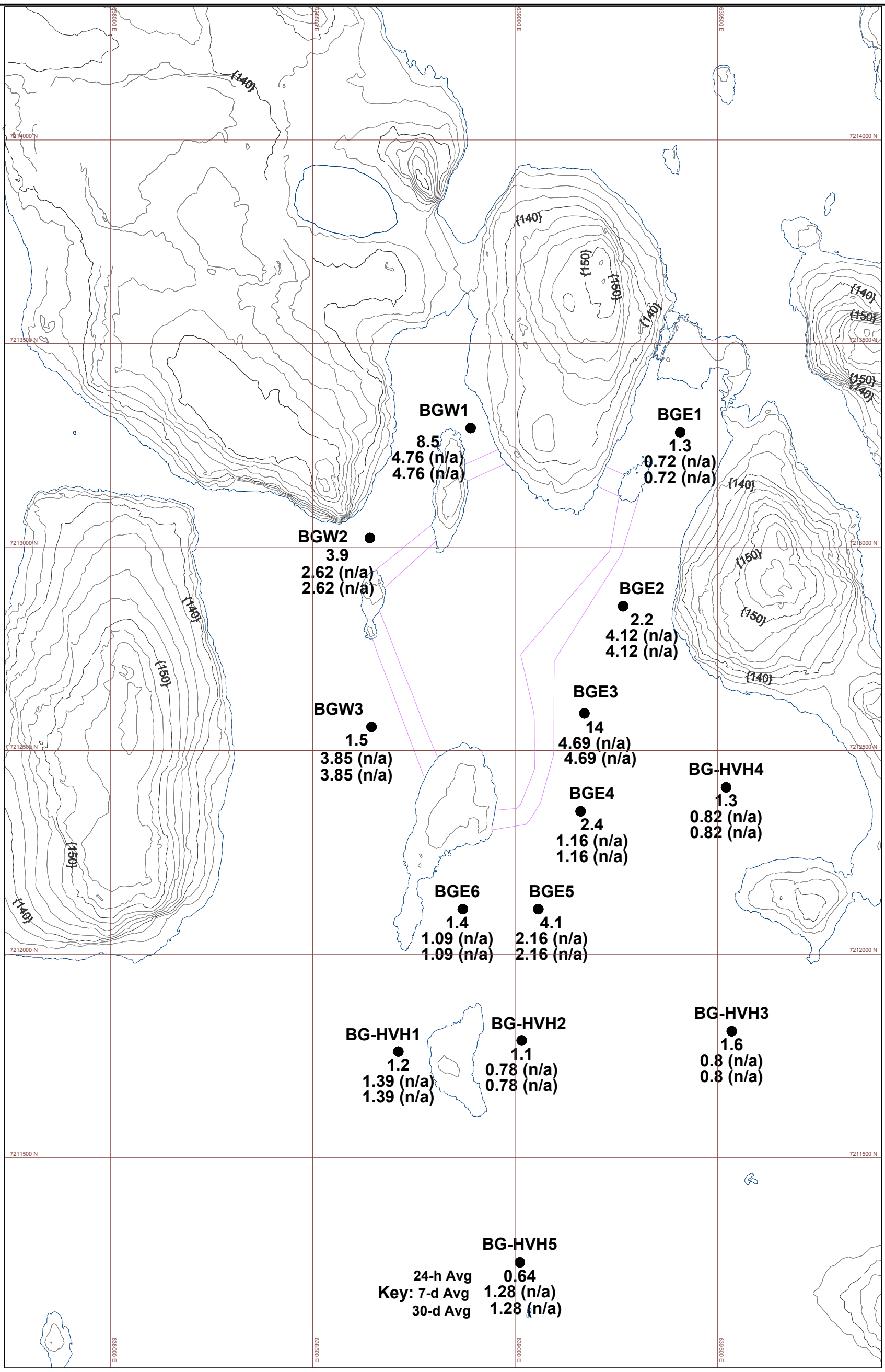

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 2, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Bay Goose August 1 2009

From: Stéphane Robert
Sent: Monday, August 10, 2009 8:04 PM
To: 'Wilson,Anne [Yel]'; 'Kevin Buck'; 'David Abernethy'; 'Liu, Amy'; 'Cooper, Gary'; 'Luis Manzo'; 'Stephen Hartman'; 'Andrew.Keim@inac-ainc.gc.ca'; 'dts@nunavutwaterboard.org'; 'Dionne@nunavutwaterboard.org'; 'Jackson Lindell'; 'Russell Toolooktook'
Cc: Louise Grondin; Denis Gourde; Larry Connell; Rachel Gould; Sylvain Doire
Subject: RE: Bay Goose Dike construction
Attachments: Bay-Goose TSS Figure 10 August 2009.pdf; DSC_4809 (Large).JPG; DSC_4811 (Large).JPG

Hi

Here an update on the Bay Goose dike construction. Since July 27, approximately 220,000 tones of rock (40 % of the plateform) was use to build the Bay Goose dike. The turbidity monitoring at the 14 stations is done two times a day. All stations remain below relevant thresholds. There is a layer of turbid water detectable at station BGE-3 – this layer is around 12 to 18 meters below the surface (total depth is close to 25 meters). You will find pictures took this morning.

The TSS values using a correlation curve for the Bay Goose dike construction are:

24 hr: 1 to 10 mg/L (limit 50 mg/L)
30 days: 1 to 11 mg/L (Limit 15 mg/L)

If you have any questions do not hesitate to contact.

Have a good day

AGNICO-EAGLE

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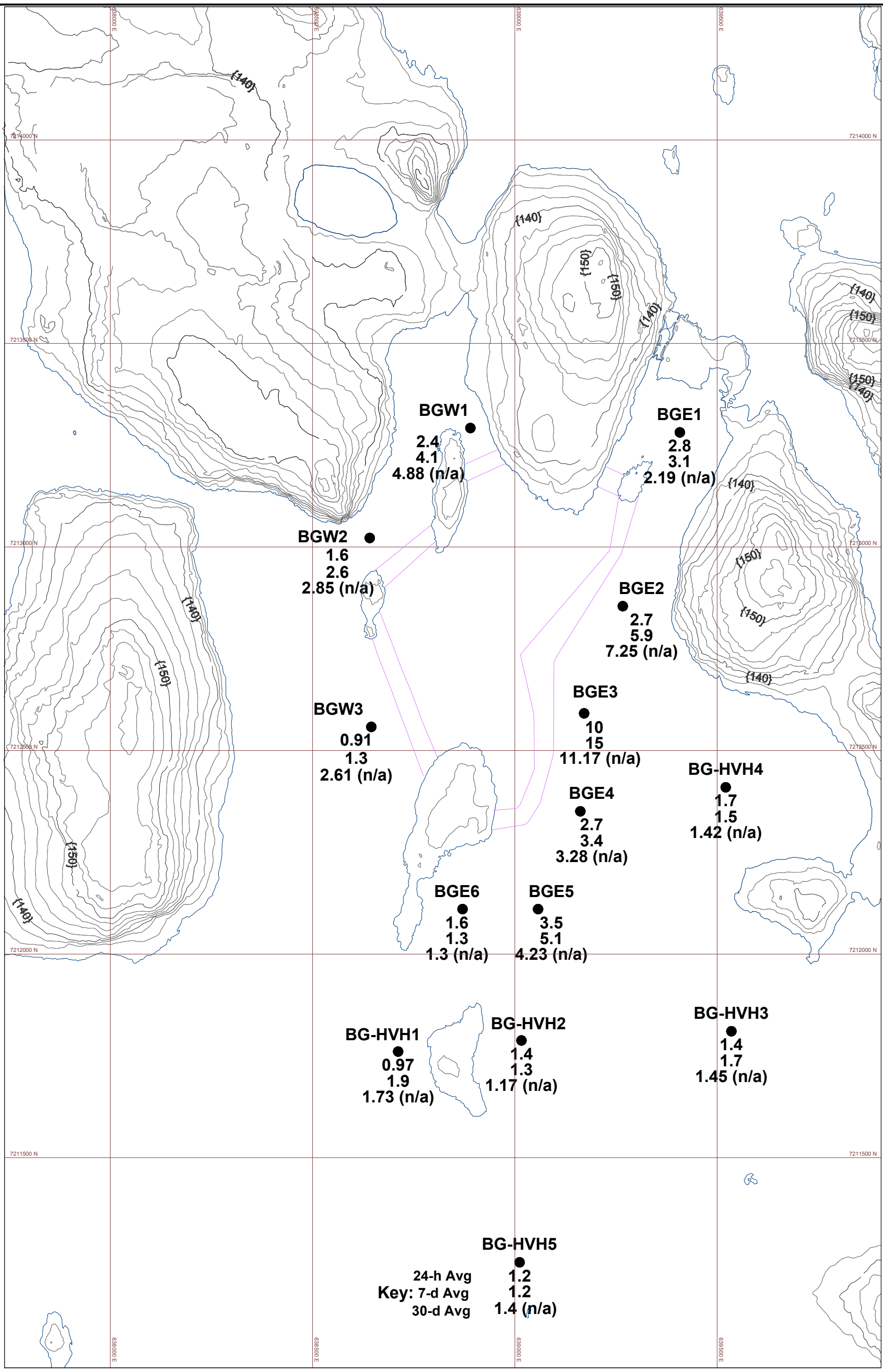

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 10, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

DSC_4809

DSC_4811

From: Stéphane Robert
Sent: Saturday, August 15, 2009 5:39 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction
Attachments: Turbidity Data Input Aug 14.pdf; Bay Goose TSS Results 14 August 2009 v2.pdf; Bay-Goose TSS Figure 14 August 2009.pdf; IMG_0557 (Large).jpg; IMG_0559 (Large).jpg; IMG_0561 (Large).jpg; IMG_0564 (Large).jpg

Hi

I would like to give you an update on Total Suspended Solids (TSS) monitoring at the Bay Goose dike construction. All stations remain below relevant thresholds except for the station BGE-3 (see Bay Goose TSS figure 14 August 2009.pdf). The turbidity curtains retain the majority of the TSS (see pictures) except near the station BGE-3. For the last two days, we had strong winds at Meadowbank. These winds applied a lot on pressure on the big curtain panels (25 m depth) at that location. We believe that this prevents the curtain to remain vertical at the bottom. Station BGE-3, where high values of TSS were recorded, is located between 18 and 22 m depth, several meters off of the bottom. The higher values persisted within a thin (2 - 4 m) wedge (see turbidity data input Aug 14.pdf). The TSS concentration at this station results in a 24 hour TSS concentration of 52 mg/L. This is in excess of the 50 mg/L 24 hour average (see Bay Goose TSS results 14 august 2009 v2 .pdf). The 30-day average concentration is now just under the 15 mg/L threshold. This plume is very confined at depth and it is not spreading in TPL, SPL and Tehek Lake.

Our strategy is change the construction planning and complete the east section of the platform (around 20-30 m wide) to be able to reach rapidly the BayGoose Island and reduce the effect of the winds. We would like to hold a conference call Monday at 16:00 to discuss the results and this TSS control strategy.

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Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
Test Data Set 1																		
27-Jul-09	A	40021A	BGW-1	18:11	0.3	0.3	0.3	0.3										
27-Jul-09	A	40021A	BGW-2	18:15	0.5	0.3	0.3	0.3	0.3	0.3	0.5							
27-Jul-09	A	40021A	BGW-3	18:21	0.4	0.4	0.3	0.3	0.3									
27-Jul-09	A	40021A	BGE-6	18:39	0.3	0.3	0.3											
27-Jul-09	A	40021A	BGE-5	18:42	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4		
27-Jul-09	A	40021A	BGE-4	18:47	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3					
27-Jul-09	A	40021A	BGE-3	18:49	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3					
27-Jul-09	A	40021A	BGE-2	18:52	3.0	0.3	0.3	0.3	0.3	3.0	0.3	0.3						
27-Jul-09	A	40021A	BGE-1	18:56	0.4	0.3	0.4	0.4	0.4									
27-Jul-09	A	40021A	BG-HVH-1	18:29	0.3	0.2	0.3											
27-Jul-09	A	40021A	BG-HVH-2	18:37	0.3	0.3	0.3	0.3										
27-Jul-09	A	40021A	BG-HVH-3	19:02	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3					
27-Jul-09	A	40021A	BG-HVH-4	19:00	0.3	0.2	0.3	0.3										
27-Jul-09	A	40021A	BG-HVH-5	18:32	0.3	0.3	0.3	0.3	0.3	0.3								
Copy This Row Between Each Event																		
28-Jul-09	A	40022A	BGW-1	8:05	0.4	0.3	0.4	0.4										
28-Jul-09	A	40022A	BGW-2	8:09	0.3	0.3	0.3	0.3	0.3	0.3								
28-Jul-09	A	40022A	BGW-3	8:15	0.4	0.4	0.4	0.4 .										
28-Jul-09	A	40022A	BGE-6	8:30	0.3	0.3	0.3											
28-Jul-09	A	40022A	BGE-5	8:35	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4		
28-Jul-09	A	40022A	BGE-4	8:38	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4					
28-Jul-09	A	40022A	BGE-3	8:40	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3					
28-Jul-09	A	40022A	BGE-2	8:42	0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.4						
28-Jul-09	A	40022A	BGE-1	8:45	0.9	0.9	0.8	0.6	0.5									
28-Jul-09	A	40022A	BG-HVH-1	8:22	0.3	0.3	0.3											
28-Jul-09	A	40022A	BG-HVH-2	8:58	0.3	0.3	0.3	0.3										
28-Jul-09	A	40022A	BG-HVH-3	8:53	0.4	0.2	0.3	0.3	0.4	0.3	0.3	0.3	0.3					
28-Jul-09	A	40022A	BG-HVH-4	8:50	0.4	0.3	0.3	0.3	0.4									
28-Jul-09	A	40022A	BG-HVH-5	8:26	0.3	0.3	0.3	0.3	0.3	0.3								
Copy This Row Between Each Event																		
28-Jul-09	B	40022B	BGW-1	15:50	1.6	1.6	1.6	1.3										
28-Jul-09	B	40022B	BGW-2	15:56	0.4	0.4	0.3	0.4	0.3	0.3	0.3							
28-Jul-09	B	40022B	BGW-3	16:01	0.4	0.3	0.4	0.4	0.4									
28-Jul-09	B	40022B	BGE-6	16:13	0.3	0.3	0.3	0.3										
28-Jul-09	B	40022B	BGE-5	16:17	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4		
28-Jul-09	B	40022B	BGE-4	16:23	0.4	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4					
28-Jul-09	B	40022B	BGE-3	16:26	0.4	0.3	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	
28-Jul-09	B	40022B	BGE-2	16:30	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4					
28-Jul-09	B	40022B	BGE-1	16:35	0.8	0.8	0.8	0.7	0.5									
28-Jul-09	B	40022B	BG-HVH-1	16:05	0.4	0.4	0.4											
28-Jul-09	B	40022B	BG-HVH-2	16:09	0.3	0.3	0.3	0.3	0.3									
28-Jul-09	B	40022B	BG-HVH-3	16:42	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3					
28-Jul-09	B	40022B	BG-HVH-4	16:38	0.5	0.4	0.4	0.4	0.5									
28-Jul-09	B	40022B	BG-HVH-5	16:47	0.4	0.4	0.3	0.3	0.3	0.4	0.3							
Copy This Row Between Each Event																		
29-Jul-09	A	40023A	BGW-1	15:06	8.9	8.9	8.4	8.4										

29-Jul-09	A	40023A	BGW-2	15:12	0.9	0.9	0.8	0.7	0.8	0.3	0.5									
29-Jul-09	A	40023A	BGW-3	15:16	0.4	0.4	0.3	0.3	0.3											
29-Jul-09	A	40023A	BGE-6	15:25	0.3	0.3	0.3	0.3												
29-Jul-09	A	40023A	BGE-5	15:26	0.4	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4			
29-Jul-09	A	40023A	BGE-4	15:31	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3								
29-Jul-09	A	40023A	BGE-3	15:33	2.7	0.3	0.3	0.4	0.3	0.3	0.4	0.4	2.7	0.4	0.3	0.5	0.4			
29-Jul-09	A	40023A	BGE-2	15:40	15.4	0.4	0.5	0.5	0.5	0.4	0.6	15.4								
29-Jul-09	A	40023A	BGE-1	15:46	0.9	0.7	0.7	0.9	0.9											
29-Jul-09	A	40023A	BG-HVH-1	15:20	0.4	0.4	0.4													
29-Jul-09	A	40023A	BG-HVH-2	15:22	0.3	0.3	0.3	0.3	0.3											
29-Jul-09	A	40023A	BG-HVH-3	15:55	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4							
29-Jul-09	A	40023A	BG-HVH-4	15:52	0.4	0.3	0.3	0.3	0.4											
29-Jul-09	A	40023A	BG-HVH-5	15:59	0.4	0.4	0.3	0.3	0.4	0.3	0.3									
Copy This Row Between Each Event																				
30-Jul-09	A	40024A	BGW-1	9:30	8.4	5.8	7.5	8.4												
30-Jul-09	A	40024A	BGW-2	9:35	1.8	1.8	1.4	1.3	1.0	0.6	0.4									
30-Jul-09	A	40024A	BGW-3	9:47	2.3	2.3	2.1	2.2	1.4											
30-Jul-09	A	40024A	BGE-6	9:59	0.3	0.3	0.3													
30-Jul-09	A	40024A	BGE-5	10:05	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4			
30-Jul-09	A	40024A	BGE-4	10:09	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4							
30-Jul-09	A	40024A	BGE-3	10:12	2.1	0.3	0.3	0.4	0.4	0.4	0.5	2.1	0.5	0.6	0.5	0.4	0.4			
30-Jul-09	A	40024A	BGE-2	10:16	34.9	0.5	0.5	0.5	0.6	0.5	0.4	34.9								
30-Jul-09	A	40024A	BGE-1	10:23	0.6	0.6	0.5	0.6	0.5											
30-Jul-09	A	40024A	BG-HVH-1	9:52	2.5	1.8	2.5													
30-Jul-09	A	40024A	BG-HVH-2	9:59	0.3	0.3	0.2	0.3												
30-Jul-09	A	40024A	BG-HVH-3	10:30	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4							
30-Jul-09	A	40024A	BG-HVH-4	10:27	0.5	0.3	0.4	0.4	0.5											
30-Jul-09	A	40024A	BG-HVH-5	10:36	0.3	0.3	0.3	0.3	0.3	0.3										
Copy This Row Between Each Event																				
30-Jul-09	B	40024B	BGW-1	16:01	12.2	11.1	7.8	12.2												
30-Jul-09	B	40024B	BGW-2	16:06	4.6	3.6	4.1	4.6	2.2	3.2	0.4									
30-Jul-09	B	40024B	BGW-3	16:12	1.3	0.8	1.0	1.3	1.3											
30-Jul-09	B	40024B	BGE-6	16:26	0.5	0.5	0.5	0.5												
30-Jul-09	B	40024B	BGE-5	16:28	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.4			
30-Jul-09	B	40024B	BGE-4	16:32	0.5	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5							
30-Jul-09	B	40024B	BGE-3	16:35	2.2	0.5	0.5	0.5	0.5	0.4	0.4	1.4	2.2	0.8	0.5	0.4	0.4			
30-Jul-09	B	40024B	BGE-2	16:40	2.8	0.6	0.5	0.5	0.6	0.5	0.5	2.8								
30-Jul-09	B	40024B	BGE-1	16:44	0.8	0.7	0.7	0.7	0.8											
30-Jul-09	B	40024B	BG-HVH-1	16:19	8.0	8.0	7.7													
30-Jul-09	B	40024B	BG-HVH-2	16:24	0.3	0.3	0.3	0.3	0.3											
30-Jul-09	B	40024B	BG-HVH-3	16:52	0.4	0.3	0.4	0.4	0.3	0.3	0.4	0.3	0.4							
30-Jul-09	B	40024B	BG-HVH-4	16:47	0.7	0.5	0.6	0.7												
30-Jul-09	B	40024B	BG-HVH-5	16:57	0.9	0.8	0.9	0.7	0.5	0.4										
Copy This Row Between Each Event																				
31-Jul-09	A	40025A	BGW-1	7:53	16.8	11.9	16.8													
31-Jul-09	A	40025A	BGW-2	8:01	16.3	10.3	9.1	12.5	11.7	16.3										
31-Jul-09	A	40025A	BGW-3	8:12	60.0	39.3	38.6	44.4	60.0											
31-Jul-09	A	40025A	BGE-6	9:30	7.8	6.4	7.8													

31-Jul-09	A	40025A	BGE-5	8:36	1.0	1.0	0.9	1.0	0.9	1.0	1.0	0.9	0.8	0.4	0.4	0.3	0.4	
31-Jul-09	A	40025A	BGE-4	8:43	1.9	1.9	1.6	0.8	0.9	1.0	1.0	0.9	0.9	0.9				
31-Jul-09	A	40025A	BGE-3	8:51	2.5	1.9	2.5	2.0	1.6	1.7	1.8	1.7	0.9	0.8	0.5	0.4	0.4	0.4
31-Jul-09	A	40025A	BGE-2	9:00	38.2	3.7	2.5	2.9	2.9	1.3	1.1	1.9	38.2					
31-Jul-09	A	40025A	BGE-1	9:08	1.2	1.0	1.0	0.8	1.2									
31-Jul-09	A	40025A	BG-HVH-1	8:22	7.6	7.6	7.3											
31-Jul-09	A	40025A	BG-HVH-2	8:30	0.9	0.9	0.9	0.9										
31-Jul-09	A	40025A	BG-HVH-3	9:23	0.9	0.9	0.6	0.6	0.5	0.6	0.5	0.6	0.6					
31-Jul-09	A	40025A	BG-HVH-4	9:15	2.1	1.6	1.7	2.1										
31-Jul-09	A	40025A	BG-HVH-5	9:37	5.0	1.2	1.9	3.8	5.0	4.8								
Copy This Row Between Each Event																		
31-Jul-09	B	40025B	BGW-1	16:40	18.3	17.2	16.8	18.3										
31-Jul-09	B	40025B	BGW-2	16:44	13.5	13.5	11.5											
31-Jul-09	B	40025B	BGW-3	16:48	16.4	12.2	16.4	15.6										
31-Jul-09	B	40025B	BGE-6	17:05	3.3	3.1	3.3											
31-Jul-09	B	40025B	BGE-5	17:07	5.5	3.0	3.2	2.9	3.4	3.1	3.2	2.9	5.5	3.1	0.4	0.4 ,44		
31-Jul-09	B	40025B	BGE-4	17:14	4.8	2.8	2.9	3.2	2.8	3.4	2.9	4.2	4.8	3.3				
31-Jul-09	B	40025B	BGE-3	17:20	3.7	3.2	3.7	3.7	3.6	3.4	3.6	3.5	2.2	2.4	3.4	0.5	0.4	
31-Jul-09	B	40025B	BGE-2	17:27	2.7	2.7	2.6	2.5	2.6	2.4	2.1	2.1	2.6					
31-Jul-09	B	40025B	BGE-1	17:36	1.3	1.2	1.3	1.1	1.2									
31-Jul-09	B	40025B	BG-HVH-1	16:56	4.6	4.0	4.6											
31-Jul-09	B	40025B	BG-HVH-2	17:00	3.3	2.4	2.7	3.1	3.3									
31-Jul-09	B	40025B	BG-HVH-3	17:44	1.9	1.3	1.9	1.7	1.5	1.3	1.6	1.9	1.7					
31-Jul-09	B	40025B	BG-HVH-4	17:40	3.0	2.2	2.2	2.7	3.0									
31-Jul-09	B	40025B	BG-HVH-5	17:49	16.9	16.9	7.3	4.9	3.8	5.3								
Copy This Row Between Each Event																		
01-Aug-09	A	40026A	BGW-1	7:48	17.3	14.75	17.3											
01-Aug-09	A	40026A	BGW-2	7:58	8.9	6.27	5.7	8.1	8.9	8.7								
01-Aug-09	A	40026A	BGW-3	8:04	11.0	9.77	9.6	11.0										
01-Aug-09	A	40026A	BGE-6	8:16	3.7	3.02	3.1	3.7										
01-Aug-09	A	40026A	BGE-5	8:27	4.2	3.24	3.2	3.5	3.7	3.8	3.6	3.7	4.2	3.5	0.3	0.3	0.4	
01-Aug-09	A	40026A	BGE-4	8:20	3.5	2.89	3.2	3.2	3.4	3.4	3.1	3.0	2.9	3.5				
01-Aug-09	A	40026A	BGE-3	8:34	52.0	2.81	3.0	3.0	3.4	3.4	5.6	7.5	2.9	52.0	0.8	0.8	0.4	
01-Aug-09	A	40026A	BGE-2	8:44	3.0	2.76	2.9	2.8	2.8	2.9	2.7	3.0						
01-Aug-09	A	40026A	BGE-1	8:49	2.5	2.04	1.8	2.3	2.5									
01-Aug-09	A	40026A	BG-HVH-1	8:09	3.6	3.56	3.1											
01-Aug-09	A	40026A	BG-HVH-2	8:13	3.5	3.08	3.5	3.3										
01-Aug-09	A	40026A	BG-HVH-3	8:56	3.3	3.09	3.1	3.2	3.3	3.2	3.1	3.1	3.2					
01-Aug-09	A	40026A	BG-HVH-4	8:53	3.0	3.01	2.8	2.7										
01-Aug-09	A	40026A	BG-HVH-5	9:01	1.9	1.15	0.9	1.1	1.0	1.2	1.9							
Copy This Row Between Each Event																		
01-Aug-09	B	40026B	BGW-1	17:47	13.3	13.3	13.1											
01-Aug-09	B	40026B	BGW-2	17:40	10.1	4.4	5.7	7.6	8.7	9.9	10.1							
01-Aug-09	B	40026B	BGW-3	16:40	13.3	1.7	9.0	9.6	13.3									
01-Aug-09	B	40026B	BGE-6	16:53	3.3	2.8	3.3											
01-Aug-09	B	40026B	BGE-5	16:55	28.7	2.3	2.7	2.9	3.3	3.3	3.5	3.0	8.6	28.7	1.4	0.5	0.4	
01-Aug-09	B	40026B	BGE-4	17:02	5.6	2.5	3.0	3.1	3.5	3.4	3.1	4.5	5.6					
01-Aug-09	B	40026B	BGE-3	17:07	31.2	3.1	3.2	3.3	3.3	3.4	3.3	4.9	8.4	17.2	31.2			

01-Aug-09	B	40026B	BGE-2	17:12	3.6	2.2	3.3	3.3	3.1	3.6	3.3	3.2							
01-Aug-09	B	40026B	BGE-1	17:19	2.3	2.3	2.3	2.2	2.3										
01-Aug-09	B	40026B	BG-HVH-1	16:47	2.1	2.0	2.1												
01-Aug-09	B	40026B	BG-HVH-2	16:51	3.6	2.6	3.0	3.6											
01-Aug-09	B	40026B	BG-HVH-3	17:28	3.6	1.4	2.5	3.1	2.9	2.7	3.4	3.1	3.6	3.6					
01-Aug-09	B	40026B	BG-HVH-4	17:22	3.0	2.8	3.0	2.8											
01-Aug-09	B	40026B	BG-HVH-5	17:34	2.1	1.5	2.1	1.7	1.7	1.6	1.7								
Copy This Row Between Each Event																			
02-Aug-09	A	40027A	BGW-1	8:56	29.1	11.7	12.6	29.1											
02-Aug-09	A	40027A	BGW-2	8:59	9.3	4.4	6.0	3.2	9.1	8.6	9.3								
02-Aug-09	A	40027A	BGW-3	9:05	21.5	2.7	2.0	4.0	21.5										
02-Aug-09	A	40027A	BGE-6	9:17	3.1	2.7	3.1												
02-Aug-09	A	40027A	BGE-5	9:20	9.1	2.0	2.8	2.7	2.8	2.5	2.8	3.0	3.6	9.1	0.6	0.1	0.2		
02-Aug-09	A	40027A	BGE-4	9:26	6.7	2.1	2.4	2.4	2.6	2.9	6.7	3.9	6.6	4.9					
02-Aug-09	A	40027A	BGE-3	9:32	26.9	2.5	2.6	2.8	2.9	4.0	2.9	5.1	26.9	17.0	8.2				
02-Aug-09	A	40027A	BGE-2	9:39	5.3	2.6	2.9	2.8	3.4	3.8	4.3	5.3							
02-Aug-09	A	40027A	BGE-1	9:44	2.2	2.2	2.2	1.9	1.7										
02-Aug-09	A	40027A	BG-HVH-1	9:10	2.4	1.8	2.4												
02-Aug-09	A	40027A	BG-HVH-2	9:13	2.7	2.2	2.3	2.4	2.7										
02-Aug-09	A	40027A	BG-HVH-3	9:51	3.8	1.1	1.9	2.0	2.1	2.6	2.5	2.8	3.4	3.8					
02-Aug-09	A	40027A	BG-HVH-4	9:47	2.5	2.0	2.5	2.4											
02-Aug-09	A	40027A	BG-HVH-5	9:56	1.3	1.2	1.0	1.2	1.1	1.3	1.3								
Copy This Row Between Each Event																			
02-Aug-09	B	40027B	BGW-1	17:06	32.4	10.6	10.7	32.4											
02-Aug-09	B	40027B	BGW-2	17:10	9.3	4.6	4.0	3.4	4.4	6.0	9.3								
02-Aug-09	B	40027B	BGW-3	17:14	1.9	1.3	1.9	1.8	1.9										
02-Aug-09	B	40027B	BGE-6	17:25	2.3	1.7	2.3	2.2											
02-Aug-09	B	40027B	BGE-5	17:26	11.0	2.2	1.8	2.0	1.9	2.3	2.7	3.5	3.0	11.0	-0.1	-0.2	-0.3		
02-Aug-09	B	40027B	BGE-4	17:32	4.3	2.2	2.4	2.8	2.2	2.9	3.1	4.3	4.3						
02-Aug-09	B	40027B	BGE-3	17:36	74.3	2.1	1.9	3.5	3.9	4.2	5.6	25.6	61.5	74.3	33.3	0.7	0.3	-0.1	
02-Aug-09	B	40027B	BGE-2	17:42	5.7	2.7	3.9	3.7	4.6	3.0	5.7	5.6							
02-Aug-09	B	40027B	BGE-1	17:47	3.0	1.9	1.9	2.7	3.0										
02-Aug-09	B	40027B	BG-HVH-1	17:18	2.0	1.9	2.0												
02-Aug-09	B	40027B	BG-HVH-2	17:22	1.4	1.1	1.4	1.2	1.4										
02-Aug-09	B	40027B	BG-HVH-3	17:54	2.6	1.2	1.4	1.4	2.2	2.0	2.0	2.1	2.3	2.6					
02-Aug-09	B	40027B	BG-HVH-4	17:45	2.8	1.9	2.8	2.1											
02-Aug-09	B	40027B	BG-HVH-5	17:59	0.9	0.8	0.9	0.7	0.8	0.6	0.8								
Copy This Row Between Each Event																			
03-Aug-09	A	40028A	BGW-1	7:55	23.6	18.7	20.6	23.6											
03-Aug-09	A	40028A	BGW-2	8:01	7.7	4.4	4.3	3.7	3.4	3.1	7.7								
03-Aug-09	A	40028A	BGW-3	8:08	10.9	3.4	3.5	10.6	10.9										
03-Aug-09	A	40028A	BGE-6	8:28	9.4	9.0	8.3	9.4											
03-Aug-09	A	40028A	BGE-5	8:25	24.6	5.8	6.9	7.8	7.5	11.4	11.4	11.9	24.6	21.6	15.9	12.2	12.4		
03-Aug-09	A	40028A	BGE-4	8:31	46.1	11.3	9.9	11.0	11.9	12.3	12.7	12.6	14.7	46.1					
03-Aug-09	A	40028A	BGE-3	8:35	87.1	13.2	13.5	13.6	14.0	14.3	17.6	20.5	47.3	87.1	66.8	14.7	13.2		
03-Aug-09	A	40028A	BGE-2	8:46	32.3	15.4	15.4	15.7	16.2	17.6	20.1	32.3							
03-Aug-09	A	40028A	BGE-1	8:52	17.9	15.8	17.4	17.9	17.9										
03-Aug-09	A	40028A	BG-HVH-1	8:14	10.8	10.0	10.8												

03-Aug-09	A	40028A	BG-HVH-2	8:17	11.0	9.9	8.9	10.9	11.0									
03-Aug-09	A	40028A	BG-HVH-3	9:00	13.4	11.1	10.7	12.4	12.5	12.5	13.4	12.5	12.9					
03-Aug-09	A	40028A	BG-HVH-4	8:56	16.2	15.3	16.2	16.2										
03-Aug-09	A	40028A	BG-HVH-5	9:09	14.7	13.0	13.3		14.7	14.3								
Copy This Row Between Each Event																		
03-Aug-09	B	40028B	BGW-1	16:21	23.7	10.8	10.0	23.7										
03-Aug-09	B	40028B	BGW-2	16:15	5.8	5.8	4.8	3.5	1.9	1.8	2.5							
03-Aug-09	B	40028B	BGW-3	16:11	4.7	4.7	4.2	3.8	3.7									
03-Aug-09	B	40028B	BGE-6	15:19	2.4	2.3	2.4											
03-Aug-09	B	40028B	BGE-5	15:23	25.2	2.5	2.3	2.6	2.0	2.6	2.0	2.1	6.8	25.2	3.3	0.8	0.6	
03-Aug-09	B	40028B	BGE-4	15:32	36.3	2.1	2.4	2.5	2.2	1.9	2.1	2.1	12.2	36.3				
03-Aug-09	B	40028B	BGE-3	15:37	35.5	3.0	3.0	3.6	3.7	3.7	5.4	11.6	23.4	35.5	4.7	6.3		
03-Aug-09	B	40028B	BGE-2	15:48	111.4	3.5	3.6	4.7	4.1	4.1	4.2	4.8	111.4					
03-Aug-09	B	40028B	BGE-1	15:53	5.3	4.3	4.7	4.8	5.3									
03-Aug-09	B	40028B	BG-HVH-1	15:10	2.4	2.4	2.4											
03-Aug-09	B	40028B	BG-HVH-2	15:16	2.4	1.5	1.8	2.0	2.4									
03-Aug-09	B	40028B	BG-HVH-3	16:00	3.0	2.4	2.0	1.6	1.4	1.4	1.9	1.8	3.0					
03-Aug-09	B	40028B	BG-HVH-4	15:57	2.9	2.5	2.7	2.7	2.9									
03-Aug-09	B	40028B	BG-HVH-5	16:05	1.6	1.6	1.4	1.1	1.1	1.4	1.3							
Copy This Row Between Each Event																		
04-Aug-09	A	40029A	BGW-1	7:34	14.9	13.4	12.9	14.9										
04-Aug-09	A	40029A	BGW-2	7:37	3.3	3.3	3.0	3.3	3.3	3.1	2.6							
04-Aug-09	A	40029A	BGW-3	7:43	4.6	3.5	4.4	3.8	4.6									
04-Aug-09	A	40029A	BGE-6	7:54	2.7	2.2	2.7	2.7										
04-Aug-09	A	40029A	BGE-5	7:57	25.0	1.9	2.2	2.2	2.1	2.8	3.2	3.9	7.6	25.0	3.7	0.8	0.8	
04-Aug-09	A	40029A	BGE-4	8:01	7.3	2.6	2.7	2.7	2.7	3.1	3.8	4.0	7.3					
04-Aug-09	A	40029A	BGE-3	8:05	26.6	3.2	3.7	4.1	4.6	4.0	4.6	5.1	9.4	26.6	6.3	2.5	1.8	
04-Aug-09	A	40029A	BGE-2	8:10	143.9	3.2	3.6	3.4	3.8	3.7	5.4	7.5	143.9					
04-Aug-09	A	40029A	BGE-1	8:15	4.9	4.0	4.0	4.4	4.9									
04-Aug-09	A	40029A	BG-HVH-1	7:49	3.8	2.3	3.8											
04-Aug-09	A	40029A	BG-HVH-2	7:52	2.2	1.8	2.0	2.0	2.2									
04-Aug-09	A	40029A	BG-HVH-3	8:23	1.8	1.5	1.7	1.6	1.7	1.7	1.7	1.8	1.6					
04-Aug-09	A	40029A	BG-HVH-4	8:20	3.3	2.8	3.2	3.2	3.3									
04-Aug-09	A	40029A	BG-HVH-5	8:29	2.3	1.9	1.7	1.7	1.8	1.9	2.3							
Copy This Row Between Each Event																		
04-Aug-09	B	40029B	BGW-1	14:14	11.6	11.6	9.9	9.7										
04-Aug-09	B	40029B	BGW-2	14:19	5.3	4.3	4.1	4.1	5.3	3.4	3.1							
04-Aug-09	B	40029B	BGW-3	14:25	2.8	2.0	2.6	2.8	2.6									
04-Aug-09	B	40029B	BGE-6	14:39	2.0	2.0	2.0	2.0										
04-Aug-09	B	40029B	BGE-5	14:40	2.5	2.0	2.0	2.2	2.2	2.3	2.2	2.3	2.4	2.2	2.1	2.2	2.5	2.3
04-Aug-09	B	40029B	BGE-4	14:51	24.0	1.8	2.2	2.3	2.4	2.7	3.4	3.4	3.4	24.0				
04-Aug-09	B	40029B	BGE-3	14:57	97.0	2.3	2.9	3.3	3.3	3.5	3.4	5.4	10.8	97.0	16.3	6.5	1.9	1.7
04-Aug-09	B	40029B	BGE-2	15:03	59.0	3.2	3.2	3.3	3.4	4.9	5.3	12.2	59.0					
04-Aug-09	B	40029B	BGE-1	15:09	4.4	4.2	3.8	4.4	4.4									
04-Aug-09	B	40029B	BG-HVH-1	14:30	5.6	5.6	3.1											
04-Aug-09	B	40029B	BG-HVH-2	14:35	4.7	1.5	4.7	1.6	1.8									
04-Aug-09	B	40029B	BG-HVH-3	15:53	1.8	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.8				
04-Aug-09	B	40029B	BG-HVH-4	15:48	2.8	2.8	2.8	2.5	2.8									

04-Aug-09	B	40029B	BG-HVH-5	15:59	1.9	1.7	1.9	1.5	1.5	1.2	1.3								
Copy This Row Between Each Event																			
05-Aug-09	A	40030A	BGW-1	8:41	9.1	7.7	8.5	9.1											
05-Aug-09	A	40030A	BGW-2	8:46	3.0	3.0	2.8	2.8	2.7	2.4	2.0								
05-Aug-09	A	40030A	BGW-3	8:52	3.0	1.0	1.7	2.3	3.0										
05-Aug-09	A	40030A	BGE-6	9:05	3.0	2.8	2.9	3.0											
05-Aug-09	A	40030A	BGE-5	9:08	13.7	2.2	1.9	2.4	2.6	3.2	3.6	5.2	6.1	6.8	13.7	3.4			
05-Aug-09	A	40030A	BGE-4	9:15	5.8	2.1	2.6	2.3	2.8	2.7	3.2	4.6	5.8						
05-Aug-09	A	40030A	BGE-3	9:22	55.2	2.9	3.2	3.3	3.5	3.1	4.1	6.0	6.5	8.2	55.2	6.5	3.7		
05-Aug-09	A	40030A	BGE-2	9:29	10.7	5.1	4.5	4.4	6.2	4.6	6.5	10.7							
05-Aug-09	A	40030A	BGE-1	9:35	5.3	4.8	5.3	5.2	4.9										
05-Aug-09	A	40030A	BG-HVH-1	8:57	4.6	4.6	4.4												
05-Aug-09	A	40030A	BG-HVH-2	9:02	2.0	1.8	1.8	2.0											
05-Aug-09	A	40030A	BG-HVH-3	9:45	1.8	1.7	1.2	1.7	1.6	1.8	1.7	1.7	1.7	1.7					
05-Aug-09	A	40030A	BG-HVH-4	9:41	2.8	2.4	2.2	2.6	2.8										
05-Aug-09	A	40030A	BG-HVH-5	12:00	2.3	1.2	1.2	1.3	1.6	2.3	2.3								
Copy This Row Between Each Event																			
05-Aug-09	B	40030B	BGW-1	15:12	8.9	7.6	8.9	7.5	3.2										
05-Aug-09	B	40030B	BGW-2	15:17	3.6	2.5	2.1	1.3	3.6	2.5	1.8								
05-Aug-09	B	40030B	BGW-3	15:22	1.6	1.0	1.3	1.6											
05-Aug-09	B	40030B	BGE-6	15:45	2.7	2.0	2.5	2.7											
05-Aug-09	B	40030B	BGE-5	15:37	26.2	1.9	1.7	2.1	2.7	3.5	4.6	4.6	4.8	26.2	8.7	1.4	0.9		
05-Aug-09	B	40030B	BGE-4	15:49	3.5	2.0	2.0	2.0	2.2	3.0	3.0	3.2	3.5						
05-Aug-09	B	40030B	BGE-3	15:53	55.2	2.5	2.5	2.6	3.1	3.1	3.1	3.9	4.1	55.2	20.3	3.7			
05-Aug-09	B	40030B	BGE-2	15:59	4.7	3.0	3.0	3.4	3.6	3.4	3.2	4.7							
05-Aug-09	B	40030B	BGE-1	16:02	5.5	5.5	5.2	5.2	5.0										
05-Aug-09	B	40030B	BG-HVH-1	15:27	1.8	1.5	1.8												
05-Aug-09	B	40030B	BG-HVH-2	15:33	2.8	2.5	2.1	2.8	2.4										
05-Aug-09	B	40030B	BG-HVH-3	16:11	6.3	1.7	1.6	1.6	1.7	1.7	1.6	2.4	6.3						
05-Aug-09	B	40030B	BG-HVH-4	16:06	2.3	2.0	1.8	2.3											
05-Aug-09	B	40030B	BG-HVH-5	16:16	2.3	1.6	1.5	1.3	1.3	2.2	2.3								
Copy This Row Between Each Event																			
06-Aug-09	A	40031A	BGW-1	8:26	27.0	9.6	9.4	27.0											
06-Aug-09	A	40031A	BGW-2	8:30	2.1	1.7	1.4	2.0	2.0	1.9	2.1								
06-Aug-09	A	40031A	BGW-3	8:34	2.0	1.7	1.8	2.0	1.9										
06-Aug-09	A	40031A	BGE-6	8:44	2.0	1.9	2.0												
06-Aug-09	A	40031A	BGE-5	8:48	20.1	2.1	2.0	2.1	2.0	2.3	3.1	3.5	4.0	20.1	6.1	2.3	1.2		
06-Aug-09	A	40031A	BGE-4	8:52	20.3	2.1	2.0	2.2	2.1	2.3	2.8	3.7		3.6	20.3				
06-Aug-09	A	40031A	BGE-3	8:59	47.8	2.4	2.6	2.6	2.5	2.7	2.9	4.7	6.9	47.8	19.5	4.6	1.9	2.9	
06-Aug-09	A	40031A	BGE-2	9:08	7.1	2.5	2.4	2.4	2.7	2.4	2.7	7.1							
06-Aug-09	A	40031A	BGE-1	9:12	5.1	4.2	4.4	5.1	4.5										
06-Aug-09	A	40031A	BG-HVH-1	8:38	4.3	1.5	1.5	4.3											
06-Aug-09	A	40031A	BG-HVH-2	8:41	2.0	1.8	1.8	2.0											
06-Aug-09	A	40031A	BG-HVH-3	9:22	6.8	1.5	1.4	1.6	1.7	1.9	2.1	3.0	6.8						
06-Aug-09	A	40031A	BG-HVH-4	9:16	2.9	1.9	2.9	1.8	1.9										
06-Aug-09	A	40031A	BG-HVH-5	9:29	1.9	1.2	1.3	1.3	1.4	1.5	1.9								
Copy This Row Between Each Event																			
06-Aug-09	B	40031B	BGW-1	17:02	6.9	5.6	6.9												

06-Aug-09	B	40031B	BGW-2	17:06	2.3	1.4	1.6	1.6	2.3	1.6	1.6						
06-Aug-09	B	40031B	BGW-3	17:11	2.5	1.0	1.0	1.2	2.5								
06-Aug-09	B	40031B	BGE-6	16:46	2.8	1.9	2.3	2.8									
06-Aug-09	B	40031B	BGE-5	17:20	25.3	1.7	1.9	1.8	2.1	2.5	3.2	5.2	3.8	25.3	10.1	2.4	1.6
06-Aug-09	B	40031B	BGE-4	16:39	3.5	1.8	2.2	2.1	2.2	2.5	2.2	2.5	3.5				
06-Aug-09	B	40031B	BGE-3	16:22	38.0	2.4	2.8	2.4	2.2	2.7	2.5	2.7	3.6	38.0	18.7	6.2	3.8
06-Aug-09	B	40031B	BGE-2	16:16	3.4	2.0	2.4	2.3	1.9	2.4	3.0	3.4					
06-Aug-09	B	40031B	BGE-1	16:10	4.4	3.8	4.2	3.5	4.4								
06-Aug-09	B	40031B	BG-HVH-1	17:15	1.4	1.2	1.4										
06-Aug-09	B	40031B	BG-HVH-2	17:18	2.0	2.0	1.7	2.0									
06-Aug-09	B	40031B	BG-HVH-3	17:30	7.3	1.5	1.7	1.5	1.6	1.5	1.5	1.7	7.3				
06-Aug-09	B	40031B	BG-HVH-4	17:27	1.8	1.7	1.7	1.8									
06-Aug-09	B	40031B	BG-HVH-5	17:36	2.9	1.1	1.2	1.2	1.4	2.2	2.9						
Copy This Row Between Each Event																	
07-Aug-09	A	40032A	BGW-1	8:44	12.4	5.5	6.7	12.4									
07-Aug-09	A	40032A	BGW-2	8:49	4.7	1.3	1.6	1.5	1.5	1.1	2.0	4.7					
07-Aug-09	A	40032A	BGW-3	8:53	1.5	0.9	1.0	0.8	1.5								
07-Aug-09	A	40032A	BGE-6	14:00	1.7	1.6	1.7										
07-Aug-09	A	40032A	BGE-5	14:02	5.6	1.5	1.7	1.6	1.5	1.6	4.4	1.4	1.5	1.5	1.5	1.6	1.7	5.6
07-Aug-09	A	40032A	BGE-4	14:14	22.4	2.4	2.3	2.4	2.3	2.3	2.1	2.3	12.4	22.4			
07-Aug-09	A	40032A	BGE-3	14:19	86.3	4.1	4.7	4.5	5.2	14.7	25.6	86.3	53.3	14.3	13.0	3.7	2.8
07-Aug-09	A	40032A	BGE-2	14:30	20.0	8.1	8.5	8.3	9.0	7.4	13.3	20.0					
07-Aug-09	A	40032A	BGE-1	14:35	13.4	6.9	7.8	9.2	10.6	13.4							
07-Aug-09	A	40032A	BG-HVH-1	13:49	2.0	2.0	1.9	1.6									
07-Aug-09	A	40032A	BG-HVH-2	13:56	1.7	1.4	1.5	1.7	1.7								
07-Aug-09	A	40032A	BG-HVH-3	14:46	2.3	2.0	2.0	2.0	2.3	2.2	2.1	2.3	2.2				
07-Aug-09	A	40032A	BG-HVH-4	0:28	3.1	1.0	2.3	2.5	3.1								
07-Aug-09	A	40032A	BG-HVH-5	17:02	1.5	1.4	1.3	1.5	1.4								
Copy This Row Between Each Event																	
08-Aug-09	A	40033A	BGW-1	7:55	8.5	7.2	8.5	7.8									
08-Aug-09	A	40033A	BGW-2	8:00	2.8	2.4	2.8	2.6	2.7	2.6	2.3						
08-Aug-09	A	40033A	BGW-3	8:31	6.3	6.3	5.8	6.3	5.5								
08-Aug-09	A	40033A	BGE-6	8:59	2.2	2.2	2.1	2.0									
08-Aug-09	A	40033A	BGE-5	9:10	12.5	1.9	1.9	1.9	1.9	2.1	2.1	2.4	2.4	8.1	12.5	2.9	2.4
08-Aug-09	A	40033A	BGE-4	9:03	4.3	2.1	2.1	2.0	2.0	2.5	2.3	2.6	3.4	4.3			
08-Aug-09	A	40033A	BGE-3	9:34	32.5	3.7	3.9	4.6	5.5	4.6	5.4	8.8	12.2	18.3	32.5	3.3	2.6	2.2
08-Aug-09	A	40033A	BGE-2	9:49	7.7	6.0	5.2	5.9	5.7	6.1	6.7	7.7					
08-Aug-09	A	40033A	BGE-1	9:55	9.5	8.7	8.5	9.5	8.4	8.8							
08-Aug-09	A	40033A	BG-HVH-1	8:38	13.6	13.6	4.7										
08-Aug-09	A	40033A	BG-HVH-2	8:44	2.3	2.1	2.0	2.3	2.0								
08-Aug-09	A	40033A	BG-HVH-3	10:23	2.5	2.0	2.1	2.0	2.2	2.5	2.4	2.2	2.5				
08-Aug-09	A	40033A	BG-HVH-4	10:07	2.9	2.8	2.9	2.9	2.7								
08-Aug-09	A	40033A	BG-HVH-5	10:29	2.8	1.6	2.0	2.0	2.0	2.4	2.8						
Copy This Row Between Each Event																	
08-Aug-09	B	40033B	BGW-1	17:18	8.2	7.6	8.2	7.4									
08-Aug-09	B	40033B	BGW-2	17:22	4.3	4.0	3.3	3.1	3.1	3.4	4.3						
08-Aug-09	B	40033B	BGW-3	17:28	2.6	1.7	2.1	2.0	2.6								
08-Aug-09	B	40033B	BGE-6	17:48	2.4	2.0	2.4	2.0									

08-Aug-09	B	40033B	BGE-5	17:50	15.1	2.1	2.0	2.2	2.1	2.0	2.3	2.4	4.0	5.0	15.1	3.5	1.3	
08-Aug-09	B	40033B	BGE-4	17:58	3.5	3.3	3.5	2.8	2.6	2.7	2.6	2.4	2.1	3.3				
08-Aug-09	B	40033B	BGE-3	13:56	39.3	2.5	3.3	3.0	3.3	4.5	5.5	6.2	9.0	13.7	39.3	3.3	2.6	2.2
08-Aug-09	B	40033B	BGE-2	18:22	6.7	3.3	3.4	3.2	3.9	4.6	6.7	3.4						
08-Aug-09	B	40033B	BGE-1	18:27	8.6	7.6	7.5	8.4	8.6	8.4								
08-Aug-09	B	40033B	BG-HVH-1	17:34	7.6	7.6	7.1											
08-Aug-09	B	40033B	BG-HVH-2	19:10	2.1	2.0	2.1	2.0	1.9									
08-Aug-09	B	40033B	BG-HVH-3	19:02	2.8	2.2	2.4	2.2	2.3	2.3	2.5	2.8	2.7					
08-Aug-09	B	40033B	BG-HVH-4	18:17	5.6	3.2	3.8	4.5	5.6									
08-Aug-09	B	40033B	BG-HVH-5	17:42	4.9	4.8	4.9	2.6	1.4	1.3	1.4							
Copy This Row Between Each Event																		
09-Aug-09	A	40034A	BGW-1	8:15	6.7	6.7	6.6											
09-Aug-09	A	40034A	BGW-2	8:17	4.8	3.6	3.8	4.8	3.8									
09-Aug-09	A	40034A	BGW-3	8:21	2.9	1.6	1.8	1.7	2.9									
09-Aug-09	A	40034A	BGE-6	8:43	3.1	2.6	2.8	3.1										
09-Aug-09	A	40034A	BGE-5	8:45	13.2	2.4	2.7	2.7	3.1	3.1	3.1	3.9	3.0	6.0	13.2	2.2	1.3	
09-Aug-09	A	40034A	BGE-4	8:19	5.1	2.7	3.0	3.3	3.2	3.0	3.9	4.0	4.9	5.1				
09-Aug-09	A	40034A	BGE-3	8:54	11.1	3.2	3.0	3.2	3.8	3.2	3.9	4.6	4.3	8.7	11.1	7.3	3.4	2.3
09-Aug-09	A	40034A	BGE-2	9:00	6.2	4.4	5.2	4.1	4.8	4.7	5.2	6.2						
09-Aug-09	A	40034A	BGE-1	9:04	6.6	6.5	6.6	6.6	6.1									
09-Aug-09	A	40034A	BG-HVH-1	8:34	1.1	1.1	1.1											
09-Aug-09	A	40034A	BG-HVH-2	8:38	2.5	2.4	2.4	2.3	2.5									
09-Aug-09	A	40034A	BG-HVH-3	9:59	3.9	2.5	2.5	3.9	2.5	2.8	2.7	2.9	2.8					
09-Aug-09	A	40034A	BG-HVH-4	9:30	3.7	3.1	2.9	3.7										
09-Aug-09	A	40034A	BG-HVH-5	9:45	2.2	1.8	1.6	2.0	1.9	2.1	2.2							
Copy This Row Between Each Event																		
09-Aug-09	B	40034B	BGW-1	16:42	5.3	5.3	2.4											
09-Aug-09	B	40034B	BGW-2	16:46	3.5	3.2	3.5	3.2	3.3	2.9	3.4							
09-Aug-09	B	40034B	BGW-3	16:51	1.5	1.1	1.1	1.3	1.5									
09-Aug-09	B	40034B	BGE-6	17:01	2.8	2.8	2.5	2.5										
09-Aug-09	B	40034B	BGE-5	17:05	10.1	2.6	2.5	2.4	2.4	2.3	2.4	2.8	2.8	4.0	10.1	2.0	1.2	
09-Aug-09	B	40034B	BGE-4	17:13	3.4	2.3	2.5	2.6	3.0	2.8	2.9	2.7	3.0	3.4				
09-Aug-09	B	40034B	BGE-3	17:17	45.3	2.6	2.5	2.5	2.7	2.9	3.1	4.7	5.6	15.6	45.3	4.2	3.3	
09-Aug-09	B	40034B	BGE-2	17:23	6.0	3.5	2.2	3.0	4.3	2.7	4.2	4.5	6.0					
09-Aug-09	B	40034B	BGE-1	17:28	6.4	6.1	5.6	6.4	6.2									
09-Aug-09	B	40034B	BG-HVH-1	16:55	1.5	1.5	1.5											
09-Aug-09	B	40034B	BG-HVH-2	16:57	3.0	3.0	2.8	2.6	2.6									
09-Aug-09	B	40034B	BG-HVH-3	17:37	2.9	2.6	2.5	2.6	2.6	2.7	2.5	2.5	2.6	2.9				
09-Aug-09	B	40034B	BG-HVH-4	17:32	3.3	3.2	3.1	3.2	3.3									
09-Aug-09	B	40034B	BG-HVH-5	17:42	2.2	1.6	1.8	2.2	1.8	1.8	1.9							
Copy This Row Between Each Event																		
10-Aug-09	A	40035A	BGW-1	8:36	5.8	5.8	5.7	5.3										
10-Aug-09	A	40035A	BGW-2	8:40	2.9	2.6	2.9	2.6	1.5	1.2	1.3	0.6						
10-Aug-09	A	40035A	BGW-3	8:45	1.7	1.5	1.5	1.7	1.7									
10-Aug-09	A	40035A	BGE-6	8:57	3.5	3.0	3.1	3.5										
10-Aug-09	A	40035A	BGE-5	9:00	6.6	3.1	3.4	3.4	3.0	3.2	3.2	3.5	3.9	3.8	3.6	6.6	1.7	
10-Aug-09	A	40035A	BGE-4	9:05	7.2	3.9	3.9	4.7	3.9	4.5	4.5	5.4	6.1	7.2				
10-Aug-09	A	40035A	BGE-3	9:09	24.1	3.7	4.0	3.8	3.4	4.6	4.0	4.7	5.6	8.1	24.1	6.3		

10-Aug-09	A	40035A	BGE-2	9:13	5.5	5.0	4.4	4.7	5.0	4.8	5.5	5.5						
10-Aug-09	A	40035A	BGE-1	9:18	6.0	5.0	5.3	5.0	6.0									
10-Aug-09	A	40035A	BG-HVH-1	8:50	1.6	1.6	1.6	1.5										
10-Aug-09	A	40035A	BG-HVH-2	8:54	2.5	2.4	2.5	2.0	1.8									
10-Aug-09	A	40035A	BG-HVH-3	9:28	2.7	2.5	2.7	2.4	2.7	2.3	2.4	2.4	2.3	2.3				
10-Aug-09	A	40035A	BG-HVH-4	9:22	3.5	3.0	3.2	3.5	2.9									
10-Aug-09	A	40035A	BG-HVH-5	9:35	2.2	2.2	2.0	2.0	1.9	1.8	2.0							
Copy This Row Between Each Event																		
10-Aug-09	B	40035B	BGW-1	16:34	3.9	3.9	3.6	3.4										
10-Aug-09	B	40035B	BGW-2	16:37	3.0	2.2	2.3	2.4	3.0	2.5	3.0	2.0						
10-Aug-09	B	40035B	BGW-3	16:42	1.8	1.6	1.5	1.6	1.8									
10-Aug-09	B	40035B	BGE-6	16:53	4.4	3.3	3.5	4.4										
10-Aug-09	B	40035B	BGE-5	16:56	10.3	3.3	3.2	4.1	3.6	3.6	3.7	3.8	3.5	6.6	10.3	2.6	1.2	
10-Aug-09	B	40035B	BGE-4	17:00	9.4	3.8	4.0	4.1	4.7	4.7	4.8	5.1	9.4	0.5				
10-Aug-09	B	40035B	BGE-3	17:05	19.6	3.5	3.4	4.5	3.3	3.6	3.6	5.0	11.6	15.4	19.6	4.7		
10-Aug-09	B	40035B	BGE-2	17:10	8.8	6.6	7.7	6.6	6.9	7.1	8.8	7.8						
10-Aug-09	B	40035B	BGE-1	17:15	8.5	7.0	8.5	7.0	7.2									
10-Aug-09	B	40035B	BG-HVH-1	16:47	3.0	2.2	2.6	3.0										
10-Aug-09	B	40035B	BG-HVH-2	16:51	2.9	2.9	2.7	2.8	2.6									
10-Aug-09	B	40035B	BG-HVH-3	17:26	3.0	2.6	2.8	3.0	2.5	2.1	2.3	2.3	1.9	2.0				
10-Aug-09	B	40035B	BG-HVH-4	17:22	3.9	3.3	3.9	3.5	3.8									
10-Aug-09	B	40035B	BG-HVH-5	17:32	2.7	2.2	2.5	2.7	2.5	2.2	2.5							
Copy This Row Between Each Event																		
11-Aug-09	A	40036A	BGW-1	8:12	3.6	3.5	3.6											
11-Aug-09	A	40036A	BGW-2	8:15	1.7	1.7	1.2	1.7	1.7	1.7	1.7							
11-Aug-09	A	40036A	BGW-3	8:20	1.6	1.5	1.5	1.6	1.6									
11-Aug-09	A	40036A	BGE-6	8:32	4.0	4.0	4.0	4.0										
11-Aug-09	A	40036A	BGE-5	8:35	7.4	4.9	5.5	4.8	4.9	5.1	4.8	4.6	4.9	5.0	7.4	1.9	2.0	
11-Aug-09	A	40036A	BGE-4	8:44	12.7	5.3	5.0	5.5	5.9	6.3	6.0	5.6	12.7	5.9				
11-Aug-09	A	40036A	BGE-3	8:51	13.5	5.4	5.0	5.3	5.2	5.3	6.0	5.8	7.0	13.5	8.2	6.2	2.4	2.2
11-Aug-09	A	40036A	BGE-2	8:59	11.5	4.4	4.1	3.9	4.1	3.9	3.5	4.0	8.9	8.6	10.0	11.5		
11-Aug-09	A	40036A	BGE-1	9:06	11.4	8.9	8.6	10.0	11.4									
11-Aug-09	A	40036A	BG-HVH-1	8:25	4.0	4.0	2.5											
11-Aug-09	A	40036A	BG-HVH-2	8:28	3.5	3.5	3.3	3.3										
11-Aug-09	A	40036A	BG-HVH-3	9:32	3.4	2.7	2.4	3.4	2.5	2.4	2.2	2.5	2.5					
11-Aug-09	A	40036A	BG-HVH-4	9:26	3.5	3.2	3.5	3.4	3.4									
11-Aug-09	A	40036A	BG-HVH-5	9:39	2.3	2.1	2.3	2.3	2.2	1.7								
Copy This Row Between Each Event																		
11-Aug-09	B	40036B	BGW-1	16:56	3.8	3.7	3.8											
11-Aug-09	B	40036B	BGW-2	17:00	1.7	1.7	1.6	1.6	1.7	1.6	1.7							
11-Aug-09	B	40036B	BGW-3	17:06	2.2	2.0	1.9	1.9	2.2									
11-Aug-09	B	40036B	BGE-6	17:22	4.8	4.8	4.8	4.7										
11-Aug-09	B	40036B	BGE-5	17:24	5.5	3.4	3.2	3.6	3.6	3.3	3.5	3.4	4.3	5.5	5.3	1.5	1.1	
11-Aug-09	B	40036B	BGE-4	17:29	4.7	3.7	4.5	3.6	3.8	3.5	3.8	4.4	4.7	3.5				
11-Aug-09	B	40036B	BGE-3	17:33	12.7	4.1	4.7	4.4	4.4	4.4	4.0	5.7	7.4	8.1	12.7	8.5	3.6	2.5
11-Aug-09	B	40036B	BGE-2	17:40	8.0	4.5	4.6	4.1	5.0	4.6	6.0	8.0						
11-Aug-09	B	40036B	BGE-1	17:45	8.6	7.1	7.8	8.6	7.5									
11-Aug-09	B	40036B	BG-HVH-1	17:15	4.0	4.0	3.9											

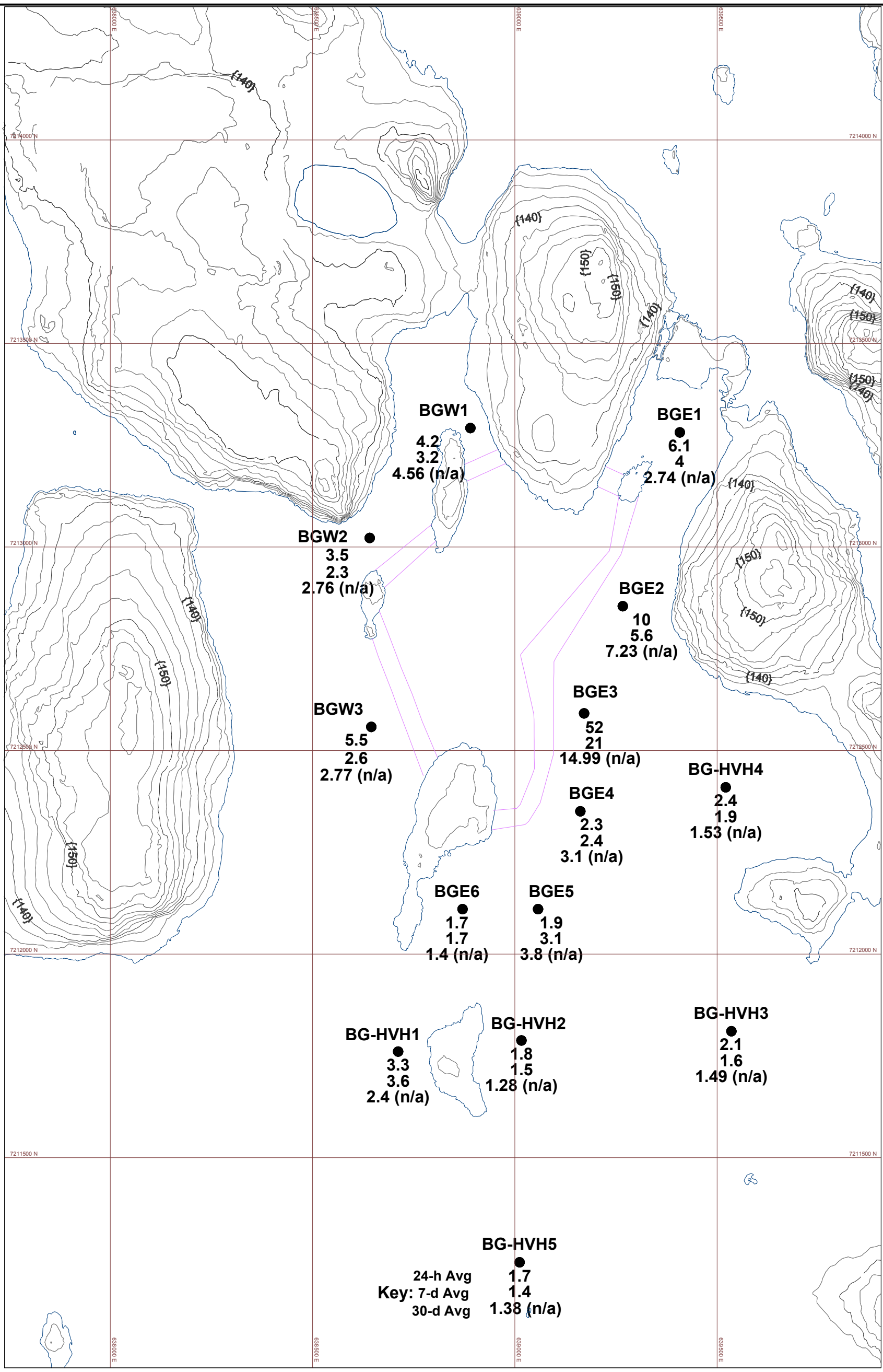
11-Aug-09	B	40036B	BG-HVH-2	17:19	4.2	3.8	4.2	3.9									
11-Aug-09	B	40036B	BG-HVH-3	17:58	3.4	3.4	2.5	2.3	2.3	2.3	2.6	2.4	2.3				
11-Aug-09	B	40036B	BG-HVH-4	17:49	3.6	2.3	3.6	3.4									
11-Aug-09	B	40036B	BG-HVH-5	18:04	2.3	1.8	2.1	2.3	2.1	2.1							
Copy This Row Between Each Event																	
12-Aug-09	A	40037A	BGW-1	13:50	10.8	7.3	10.8										
12-Aug-09	A	40037A	BGW-2	13:56	4.6	3.7	3.4	4.3	4.4	4.6	4.6						
12-Aug-09	A	40037A	BGW-3	14:02	2.3	1.5	1.9	2.3	2.1								
12-Aug-09	A	40037A	BGE-6	14:25	3.4	2.9	3.4	3.3									
12-Aug-09	A	40037A	BGE-5	14:37	3.1	2.9	3.0	3.1	3.1	3.1	2.7	3.0	3.0	2.8	2.9	3.1	2.0
12-Aug-09	A	40037A	BGE-4	14:46	3.3	3.0	3.0	3.0	3.2	3.2	3.0	3.2	3.3	3.2			
12-Aug-09	A	40037A	BGE-3	14:54	5.7	3.1	3.7	3.5	3.8	3.8	3.6	3.6	3.2	3.9	3.6	5.7	3.4
12-Aug-09	A	40037A	BGE-2	15:02	12.6	4.9	4.8	5.9	6.4	7.4	11.0	12.6					
12-Aug-09	A	40037A	BGE-1	15:05	8.4	6.9	7.2	6.6	8.4								
12-Aug-09	A	40037A	BG-HVH-1	14:10	2.6	2.4	2.6										
12-Aug-09	A	40037A	BG-HVH-2	14:15	3.7	3.7	2.6	2.5									
12-Aug-09	A	40037A	BG-HVH-3	15:13	3.4	2.7	2.1	3.1	2.8	3.1	3.0	3.4	2.7				
12-Aug-09	A	40037A	BG-HVH-4	15:09	3.4	3.2	3.2	3.2	3.4								
12-Aug-09	A	40037A	BG-HVH-5	15:17	2.2	1.8	2.0	2.0	2.1	2.2							
Copy This Row Between Each Event																	
13-Aug-09	A	40038A	BGW-1	11:17	10.7	10.2	10.2	10.7									
13-Aug-09	A	40038A	BGW-2	11:24	10.7	10.6	9.5	10.1	9.7	10.5	10.7						
13-Aug-09	A	40038A	BGW-3	11:36	17.3	10.0	14.2	14.6	17.3								
13-Aug-09	A	40038A	BGE-6	11:58	2.9	2.5	2.9										
13-Aug-09	A	40038A	BGE-5	12:00	3.1	2.7	2.1	2.8	3.0	3.0	3.0	2.9	2.9	3.1	3.0	2.7	1.1
13-Aug-09	A	40038A	BGE-4	12:07	3.3	3.1	3.3	3.3	3.2	3.2	3.2	3.0	3.1				
13-Aug-09	A	40038A	BGE-3	12:12	153.1	3.3	3.7	3.8	3.4	3.1	3.1	3.1	3.5	2.6	66.0	153.1	3.8
13-Aug-09	A	40038A	BGE-2	12:21	34.5	10.1	9.2	8.3	8.9	11.5	10.2	34.5					
13-Aug-09	A	40038A	BGE-1	12:28	14.0	11.6	14.0	13.3	14.0								
13-Aug-09	A	40038A	BG-HVH-1	11:45	37.5	34.4	37.5										
13-Aug-09	A	40038A	BG-HVH-2	11:55	2.4	2.2	2.4	2.4									
13-Aug-09	A	40038A	BG-HVH-3	12:37	3.2	2.8	3.2	3.0	2.9	2.9	3.0	2.8	2.9				
13-Aug-09	A	40038A	BG-HVH-4	12:33	4.7	4.6	4.3	4.7									
13-Aug-09	A	40038A	BG-HVH-5	11:49	3.2	2.7	2.7	2.8	3.2	2.7							
Copy This Row Between Each Event																	
14-Aug-09	A	40039A	BGW-1	8:06	10.5	9.7	10.5	9.9									
14-Aug-09	A	40039A	BGW-2	8:11	9.5	7.3	8.8	8.3	9.5	8.8	8.5	-0.1	0.0				
14-Aug-09	A	40039A	BGW-3	8:26	15.6	10.6	10.3	15.6									
14-Aug-09	A	40039A	BGE-6	8:45	3.6	3.6	3.4										
14-Aug-09	A	40039A	BGE-5	8:49	3.7	3.4	3.3	3.3	3.4	3.6	3.5	3.7	3.5	3.5	3.6	3.4	1.0
14-Aug-09	A	40039A	BGE-4	8:57	3.7	3.5	3.4	3.6	3.5	3.6	3.7	3.4	3.6	3.5			
14-Aug-09	A	40039A	BGE-3	9:03	402.0	9.2	8.7	7.8	8.3	9.1	10.3	9.2	10.7	16.0	72.5	402.0	148.0
14-Aug-09	A	40039A	BGE-2	9:42	42.9	11.4	11.6	9.8	10.1	11.1	12.0	42.9					
14-Aug-09	A	40039A	BGE-1	9:50	17.4	17.4	13.1	15.8									
14-Aug-09	A	40039A	BG-HVH-1	8:35	5.2	4.0	5.2										
14-Aug-09	A	40039A	BG-HVH-2	8:41	3.7	3.5	3.7	3.5									
14-Aug-09	A	40039A	BG-HVH-3	9:53	4.5	3.8	4.0	4.1	4.3	4.4	4.5	4.1	3.9				
14-Aug-09	A	40039A	BG-HVH-4	9:55	5.0	4.8	4.5	5.0									

14-Aug-09	A	40039A	BG-HVH-5	10:06	2.9	2.9	2.8	2.7	2.7	2.6								
Copy This Row Between Each Event																		
14-Aug-09	B	40039B	BGW-1	16:00	10.6	7.6	10.6											
14-Aug-09	B	40039B	BGW-2	16:03	7.2	3.5	3.6	5.0	6.6	6.6	7.2							
14-Aug-09	B	40039B	BGW-3	15:58	13.7	2.6	3.4	5.9	13.7									
14-Aug-09	B	40039B	BGE-6	15:28	3.3	3.3	3.2	3.2										
14-Aug-09	B	40039B	BGE-5	15:31	4.2	3.7	3.6	4.2	3.9	3.8	4.0	4.0	3.6	3.9	4.0	4.0	3.3	
14-Aug-09	B	40039B	BGE-4	15:22	6.7	6.7	6.5	3.8	4.2	4.0	4.2	3.7	3.9	3.6				
14-Aug-09	B	40039B	BGE-3	15:11	25.5	8.3	8.5	5.0	4.4	4.3	4.0	6.9	14.1	20.3	25.5	6.9	4.0	4.0
14-Aug-09	B	40039B	BGE-2	15:07	17.0	9.5	8.6	8.6	13.5	14.2	14.3	17.0						
14-Aug-09	B	40039B	BGE-1	15:03	15.5	15.5	13.9	13.7	14.4									
14-Aug-09	B	40039B	BG-HVH-1	15:52	10.8	6.7	10.8											
14-Aug-09	B	40039B	BG-HVH-2	15:48	3.8	3.5	3.8	3.4										
14-Aug-09	B	40039B	BG-HVH-3	15:37	4.5	4.2	4.1	4.5	3.8	3.6	3.5	3.4	3.0					
14-Aug-09	B	40039B	BG-HVH-4	15:18	5.5	5.5	4.6	4.7	4.2									
14-Aug-09	B	40039B	BG-HVH-5	15:43	4.2	3.2	3.5	3.0	2.5	4.2								
Copy This Row Between Each Event																		

Bay Goose TSS Summary Table

Date of Analysis	Time of Analysis	Station:	Routine Stations																									
			BGW1				BGW2				BGW3				BGE1				BGE2				BGE3				BGE4			
		Time Period:	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg
28-Jul-09	22:00		0.86	0.38 (n/a)	0.38 (n/a)	0.38 (n/a)	0.32	0.27 (n/a)	0.27 (n/a)	0.27 (n/a)	0.29	0.28 (n/a)	0.28 (n/a)	0.28 (n/a)	0.52	0.39 (n/a)	0.39 (n/a)	0.39 (n/a)	0.30	0.28 (n/a)	0.28 (n/a)	0.28 (n/a)	0.25	0.25 (n/a)	0.25 (n/a)	0.25 (n/a)	0.28	0.26 (n/a)	0.26 (n/a)	0.26 (n/a)
29-Jul-09	20:00		3.67	2.35	1.48 (n/a)	1.48 (n/a)	0.55	0.42	0.35 (n/a)	0.35 (n/a)	0.26	0.26	0.27 (n/a)	0.27 (n/a)	0.56	0.40	0.39 (n/a)	0.39 (n/a)	5.79	3.32	1.99 (n/a)	1.99 (n/a)	1.35	0.84	0.57 (n/a)	0.57 (n/a)	0.28	0.25	0.26 (n/a)	0.26 (n/a)
30-Jul-09	20:00		4.77	4.14	2.33 (n/a)	2.33 (n/a)	2.10	1.55	0.59 (n/a)	0.59 (n/a)	1.17	0.95	0.47 (n/a)	0.47 (n/a)	0.49	0.44	0.42 (n/a)	0.42 (n/a)	11.43	6.84	4.43 (n/a)	4.43 (n/a)	1.16	1.13	0.81 (n/a)	0.81 (n/a)	0.33	0.29	0.26 (n/a)	0.26 (n/a)
31-Jul-09	22:00		6.69	6.45	3.31 (n/a)	3.31 (n/a)	6.05	5.61	1.82 (n/a)	1.82 (n/a)	17.95	12.32	3.77 (n/a)	3.77 (n/a)	0.71	0.70	0.48 (n/a)	0.48 (n/a)	12.32	7.32	5.22 (n/a)	5.22 (n/a)	1.78	1.52	0.95 (n/a)	0.95 (n/a)	2.18	1.62	0.48 (n/a)	0.48 (n/a)
1-Aug-09	21:00		6.38	5.76	3.96 (n/a)	3.96 (n/a)	4.07	3.87	2.36 (n/a)	2.36 (n/a)	6.09	5.06	4.04 (n/a)	4.04 (n/a)	1.27	1.08	0.61 (n/a)	0.61 (n/a)	1.72	1.48	4.53 (n/a)	4.53 (n/a)	15.93	10.85	3.35 (n/a)	3.35 (n/a)	2.50	1.99	0.82 (n/a)	0.82 (n/a)
2-Aug-09	21:00		10.74	8.53	4.76 (n/a)	4.76 (n/a)	4.07	3.88	2.62 (n/a)	2.62 (n/a)	1.87	1.45	3.85 (n/a)	3.85 (n/a)	1.47	1.32	0.72 (n/a)	0.72 (n/a)	2.48	2.24	4.12 (n/a)	4.12 (n/a)	21.45	14.29	4.69 (n/a)	4.69 (n/a)	2.88	2.45	1.16 (n/a)	1.16 (n/a)
3-Aug-09	20:00		10.74	9.06	5.39 (n/a)	5.39 (n/a)	15.42	5.89	3.11 (n/a)	3.11 (n/a)	4.34	2.96	3.73 (n/a)	3.73 (n/a)	6.56	4.31	1.29 (n/a)	1.29 (n/a)	30.06	11.67	5.23 (n/a)	5.23 (n/a)	24.49	21.50	7.28 (n/a)	7.28 (n/a)	14.41	10.16	2.63 (n/a)	2.63 (n/a)
4-Aug-09	21:00		8.28	6.42	6.08	5.52 (n/a)	15.42	7.15	4.00	3.62 (n/a)	2.16	2.02	3.90	3.54 (n/a)	2.38	2.26	1.53	1.41 (n/a)	37.21	31.96	10.14	9.17 (n/a)	26.79	12.83	8.85	8.01 (n/a)	11.81	6.28	3.44	3.12 (n/a)
5-Aug-09	21:00		3.72	3.70	6.58	5.35 (n/a)	1.73	1.61	4.49	3.43 (n/a)	1.46	1.17	4.34	3.3 (n/a)	2.45	2.42	1.93	1.52 (n/a)	4.27	3.26	11.16	9.2 (n/a)	16.75	16.75	12.75	9.62 (n/a)	2.54	2.13	3.99	3.01 (n/a)
6-Aug-09	21:00		9.23	6.26	6.77	5.47 (n/a)	1.19	1.14	4.15	3.22 (n/a)	1.27	1.13	3.25	3.07 (n/a)	2.31	2.17	2.04	1.6 (n/a)	3.04	2.36	10.18	8.58 (n/a)	14.85	13.57	13.49	10.21 (n/a)	7.28	4.67	4.54	3.19 (n/a)
7-Aug-09	19:00		4.83	3.91	6.52	5.38 (n/a)	2.15	1.68	3.84	3.13 (n/a)	1.27	1.05	2.45	2.96 (n/a)	5.15	3.65	2.46	1.8 (n/a)	7.19	4.60	9.90	8.26 (n/a)	24.30	18.49	15.72	10.96 (n/a)	7.90	5.01	4.74	3.35 (n/a)
8-Aug-09	22:00		3.53	3.47	6.09	5.22 (n/a)	2.00	1.71	3.40	2.98 (n/a)	2.76	2.05	1.75	2.84 (n/a)	3.85	3.71	3.12	2.06 (n/a)	3.25	3.07	10.91	7.92 (n/a)	24.30	16.71	16.54	11.46 (n/a)	2.01	1.84	5.23	3.43 (n/a)
9-Aug-09	22:00		3.42	2.98	5.32	5.06 (n/a)	2.20	2.04	3.15	2.91 (n/a)	1.42	1.28	1.70	2.73 (n/a)	3.56	3.06	3.19	2.13 (n/a)	2.89	2.74	10.27	7.57 (n/a)	14.21	9.57	16.23	11.24 (n/a)	2.30	1.98	4.94	3.32 (n/a)
10-Aug-09	21:00		2.55	2.38	4.09	4.88 (n/a)	1.67	1.64	2.58	2.85 (n/a)	0.98	0.91	1.33	2.61 (n/a)	3.52	2.83	3.06	2.19 (n/a)	3.62	2.71	5.89	7.25 (n/a)	14.21	10.20	15.15	11.17 (n/a)	3.84	2.74	3.44	3.28 (n/a)
11-Aug-09	21:00		1.80	1.76	3.69	4.69 (n/a)	0.94	0.93	1.58	2.71 (n/a)	1.15	1.02	1.24	2.51 (n/a)	4.50	4.03	3.36	2.32 (n/a)	3.35	2.65	3.37	6.96 (n/a)	5.17	5.05	12.71	10.82 (n/a)	4.91	3.58	3.74	3.34 (n/a)
12-Aug-09	21:00		4.29	3.10	3.61	4.6 (n/a)	2.11	1.54	1.57	2.65 (n/a)	1.18	1.16	1.23	2.44 (n/a)	3.56	3.53	3.42	2.39 (n/a)	4.89	4.14	3.47	6.81 (n/a)	4.92	3.76	11.50	10.45 (n/a)	2.13	1.87	3.58	3.26 (n/a)
13-Aug-09	22:00		4.29	4.28	3.21	4.59 (n/a)	4.26	3.22	1.84	2.68 (n/a)	6.37	3.96	1.67	2.52 (n/a)	5.35	4.45	3.71	2.51 (n/a)	11.32	8.24	4.27	6.89 (n/a)	39.18	22.67	12.50	11.16 (n/a)	1.61	1.61	3.16	3.18 (n/a)
14-Aug-09	21:00		4.22	4.21	3.18	4.56 (n/a)	3.88	3.47	2.28	2.76 (n/a)	5.83	5.53	2.60	2.77 (n/a)	6.40	6.10	4.02	2.74 (n/a)	13.57	10.07	5.61	7.23 (n/a)	87.57	51.74	21.19	14.99 (n/a)	2.87	2.33	2.37	3.1 (n/a)

Date of Analysis	Time of Analysis		BGE5				BGE6				BGH1				BGH2				BGH3				BGH4				BGH5			
			24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg	24h Max	24h Avg	7-d Ave	30-d Avg
28-Jul-09	22:00		0.29	0.28 (n/a)	0.28 (n/a)	0.28 (n/a)	0.22	0.21 (n/a)	0.21 (n/a)	0.21 (n/a)	0.28	0.22 (n/a)	0.22 (n/a)	0.22 (n/a)	0.23	0.22 (n/a)	0.22 (n/a)	0.22 (n/a)	0.34	0.26 (n/a)	0.26 (n/a)	0.26 (n/a)	0.30	0.26 (n/a)	0.26 (n/a)	0.26 (n/a)	0.25	0.24 (n/a)	0.24 (n/a)	0.24 (n/a)
29-Jul-09	20:00		0.28	0.28	0.28 (n/a)	0.28 (n/a)	0.24	0.23	0.22 (n/a)	0.22 (n/a)	0.29	0.28	0.25 (n/a)	0.25 (n/a)	0.24	0.23	0.23 (n/a)	0.23 (n/a)	0.34	0.30	0.28 (n/a)	0.28 (n/a)	0.30	0.28	0.27 (n/a)	0.27 (n/a)	0.26	0.26	0.25 (n/a)	0.25 (n/a)
30-Jul-09	20:00		0.28	0.27	0.28 (n/a)	0.28 (n/a)	0.34	0.27	0.22 (n/a)	0.22 (n/a)	3.33	2.34	0.64 (n/a)	0.64 (n/a)	0.22	0.22	0.23 (n/a)	0.23 (n/a)	0.29	0.27	0.27 (n/a)	0.27 (n/a)	0.43	0.38	0.29 (n/a)	0.29 (n/a)	0.52	0.38	0.26 (n/a)	0.26 (n/a)
31-Jul-09	22:00		2.47	1.60	0.45 (n/a)	0.45 (n/a)	3.26	2.46	0.79 (n/a)	0.79 (n/a)	3.21	2.68	1.35 (n/a)	1.35 (n/a)	1.52	1.06	0.34 (n/a)	0.34 (n/a)	1.00	0.79	0.35 (n/a)	0.35 (n/a)	1.48	1.29	0.48 (n/a)	0.48 (n/a)	6.23	4.35	0.94 (n/a)	0.94 (n/a)
1-Aug-09	21:00		9.71	3.69	1.22 (n/a)	1.22 (n/a)	1.77	1.69	0.98 (n/a)	0.98 (n/a)	2.12	1.74	1.43 (n/a)	1.43 (n/a)	1.72	1.64	0.64 (n/a)	0.64 (n/a)	1.74	1.44	0.6 (n/a)	0.6 (n/a)	1.49	1.48	0.7 (n/a)	0.7 (n/a)	6.23	2.89	1.36 (n/a)	1.36 (n/a)
2-Aug-09	21:00		4.38	4.06	2.16 (n/a)	2.16 (n/a)	1.72	1.45	1.09 (n/a)	1.09 (n/a)	1.25	1.16	1.39 (n/a)	1.39 (n/a)	1.33	1.07	0.78 (n/a)	0.78 (n/a)	1.82	1.56	0.8 (n/a)	0.8 (n/a)	1.40	1.34	0.82 (n/a)	0.82 (n/a)	0.74	0.64	1.28 (n/a)	1.28 (n/a)
3-Aug-09	20:00		8.71	7.21	2.91 (n/a)	2.91 (n/a)	3.83	2.58	1.31 (n/a)	1.31 (n/a)	4.30	2.81	1.59 (n/a)	1.59 (n/a)	4.37	2.77	1.08 (n/a)	1.08 (n/a)	5.15	3.37	1.2 (n/a)	1.2 (n/a)	6.04	3.87	1.3 (n/a)	1.3 (n/a)	5.57	3.32	1.57 (n/a)	1.57 (n/a)
4-Aug-09	21:00		8.71	7.73	3.93	3.57 (n/a)	1.34	1.26	1.42	1.3 (n/a)	2.49	1.71	1.76	1.6 (n/a)	2.15	1.31	1.21	1.11 (n/a)	1.46	1.14	1.30	1.19 (n/a)	1.61	1.51	1.45	1.33 (n/a)	1.17	1.05	1.66	1.51 (n/a)
5-Aug-09	21:00		9.00	7.17	4.87	3.67 (n/a)	1.46	1.42	1.70	1.3 (n/a)	2.10	1.55	2.12	1.66 (n/a)	1.38	1.22	1.50	1.16 (n/a)	2.74	1.88	1.53	1.19 (n/a)	1.38	1.29	1.72	1.33 (n/a)	1.20	1.19	1.92	1.47 (n/a)
6-Aug-09	21:00		8.74	7.99	5.99	4.18 (n/a)	1.38	1.22	1.65	1.29 (n/a)	2.00	1.43	1.88	1.64 (n/a)	1.10	1.08	1.59	1.16 (n/a)	3.10	3.01	1.92	1.39 (n/a)	1.44	1.20	1.79	1.33 (n/a)	1.45	1.24	1.90	1.43 (n/a)
7-Aug-09	19:00		8.74	5.15	6.08	4.27 (n/a)	1.38	1.16	1.55	1.28 (n/a)	1.06	0.93	1.73	1.59 (n/a)	1.10	1.01	1.55	1.15 (n/a)	3.10	2.19	2.01	1.46 (n/a)	1.52	1.24	1.75	1.32 (n/a)	1.45	1.15	1.67	1.41 (n/a)
8-Aug-09	22:00		5.67	5.26	5.96	4.22 (n/a)	1.22	1.19	1.43	1.26 (n/a)	5.20	4.22	2.14	1.8 (n/a)	1.19	1.14	1.45	1.14 (n/a)	1.38	1.33	1.99	1.44 (n/a)	2.49	1.98	1.81	1.35 (n/a)	2.22	1.82	1.48	1.4 (n/a)
9-Aug-09	22:00		5.67	5.10	5.93	4.29 (n/a)	1.53	1.40	1.42	1.27 (n/a)	3.19	1.59	2.11	1.78 (n/a)	1.49	1.27	1.45	1.15 (n/a)	1.86	1.63	1.96	1.45 (n/a)	2.49	1.97	1.85	1.4 (n/a)	1.16	1.14	1.53	1.41 (n/a)
10-Aug-09	21:00		4.13	3.49	5.06	4.23 (n/a)	2.03	1.63	1.30	1.3 (n/a)	1.48	0.97	1.90	1.73 (n/a)	1.49	1.38	1.26	1.17 (n/a)	1.48	1.41	1.74	1.45 (n/a)	1.82	1.68	1.54	1.42 (n/a)	1.33	1.18	1.24	1.4 (n/a)
11-Aug-09	21:00		3.14	2.81	4.98	4.17 (n/a)	2.19	2.03	1.42	1.35 (n/a)	1.88	1.88	1.81	1.73 (n/a)	1.96	1.83	1.27	1.2 (n/a)	1.65	1.49	1.83	1.46 (n/a)	1.69	1.67	1.58	1.44 (n/a)	1.19	1.18	1.26	1.38 (n/a)
12-Aug-09	21:00		2.46	2.01	4.54	4.06 (n/a)	2.19	1.91	1.48	1.38 (n/a)	1.88	1.59	1.79	1.72 (n/a)	1.96	1.85	1.34	1.24 (n/a)	1.66	1.50	1.78	1.46 (n/a)	1.64	1.63	1.60	1.45 (n/a)	1.16	1.15	1.25	1.37 (n/a)
13-Aug-09	22:00		1.53	1.52	3.56	3.93 (n/a)	1.62	1.53	1.53	1.39 (n/a)	12.13	7.20	2.66	2.07 (n/a)	1.74	1.50	1.39	1.25 (n/a)	1.66	1.61	1.58	1.47 (n/a)	2.17	1.90	1.69	1.48 (n/a)	1.55	1.34	1.28	1.37 (n/a)
14-Aug-09	21:00		1.97	1.87	3.06	3.8 (n/a)	1.73	1.67	1.65	1.4 (n/a)	4.30	3.34	3.57	2.4 (n/a)	1.80	1.79	1.52	1.28 (n/a)	2.08	2.08	1.59	1.49 (n/a)	2.44	2.35	1.88	1.53 (n/a)	1.94	1.69	1.36	1.38 (n/a)



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 14, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

IMG_0557

IMG_0559

IMG_0561

IMG_0564

From: Stéphane Robert
Sent: Tuesday, August 18, 2009 9:19 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: RE: Bay Goose Dike construction
Attachments: Bay-Goose Broad Map 16 Aug 2009.pdf; Bay-Goose TSS Figure 17 August 2009.pdf; Turbidity Data Input Aug 17.pdf; P8160024 (Large).JPG; TB BAYGOOSE DIKE.pdf

HI

As agreed, please find attached:

1) Results of a broad TSS survey conducted in Third Portage Lake east basin and Second Portage Lake from August 14 to 16 (Bay Goose Broad Map 16 Aug 2009.pdf). Note that these values are the highest measured in the vertical water profile.

   The broad map shows low TSS concentrations throughout Third Portage east basin except at BGE3 and BGE5, which are the deepest stations where the highest TSS is found. TSS concentrations were low throughout Second Portage Lake. The highest value was 5.5 mg/L right at the outlet while at the north end of the East Dike TSS was 1.3 mg/L. In the rest of the lake values were 0.7 mg/L or less and trended lower from west to east, with a value of 0.4 mg/L at the mouth to Tehek.

2) Results of TSS measurements for yesterday at the routine stations (Bay Goose TSS Figure 17 August 2009.pdf).

   There were no large differences in the pattern of TSS concentrations between yesterday and today. There was very little change in TSS concentrations at all stations west of the silt curtains and at east stations BGE1, BGE2 and BGE4. Similarly, all HVH stations also showed little change. TSS remained high at depth (>16 m) at BGE3 (134 mg/L) and BGE5 (66 mg/L) within the turbid plume that is sitting at the bottom of the lake (Turbidity Data input Aug 17.pdf).

3) A map (TB Bay Goose Dike.pdf) with the bathymetry of the Third Portage Lake and the stations. The deep zones (more than 17 meters depth) are shown in red.

The mitigation plan to control the TSS is to:

- Change the construction planning and complete the east section of the platform (around 20-30 m wide) to be able to reach rapidly the Goose Island and reduce the effect of the winds on the silt curtains (see pictures). We estimated 7 days to reach Goose Island.
- Install a turbidity curtain North of Third Portage Lake to avoid plume reach the SPL (if necessary)
- Continue to follow the plume

As agreed, I will send you daily update of the TSS monitoring.

If you have any questions do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
Environment superintendent
Agnico-Eagle
Meadowbank Division
Phone: 819-759-3700 ext. 814
Cel: 819-763-0229
stephane.robert@agnico-eagle.com

From: Wilson,Anne [Yel] [mailto:Anne.Wilson@EC.GC.CA]
Sent: Monday, August 17, 2009 5:13 PM
To: Stéphane Robert; Liu, Amy; Balint, David; David Abernethy; Kevin Buck; Andrew.Keim@inac-ainc.gc.ca; Luis Manzo; Stephen Hartman; Dionne@nunavutwaterboard.org; dts@nunavutwaterboard.org; Harden,Chad [Yel]
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: RE: Bay Goose Dike construction

Hi Stephane,
After our call a question came to mind. Given the flow through the channel to SPL, would it be feasible to install a length of turbidity barrier there?
Thanks,
Anne

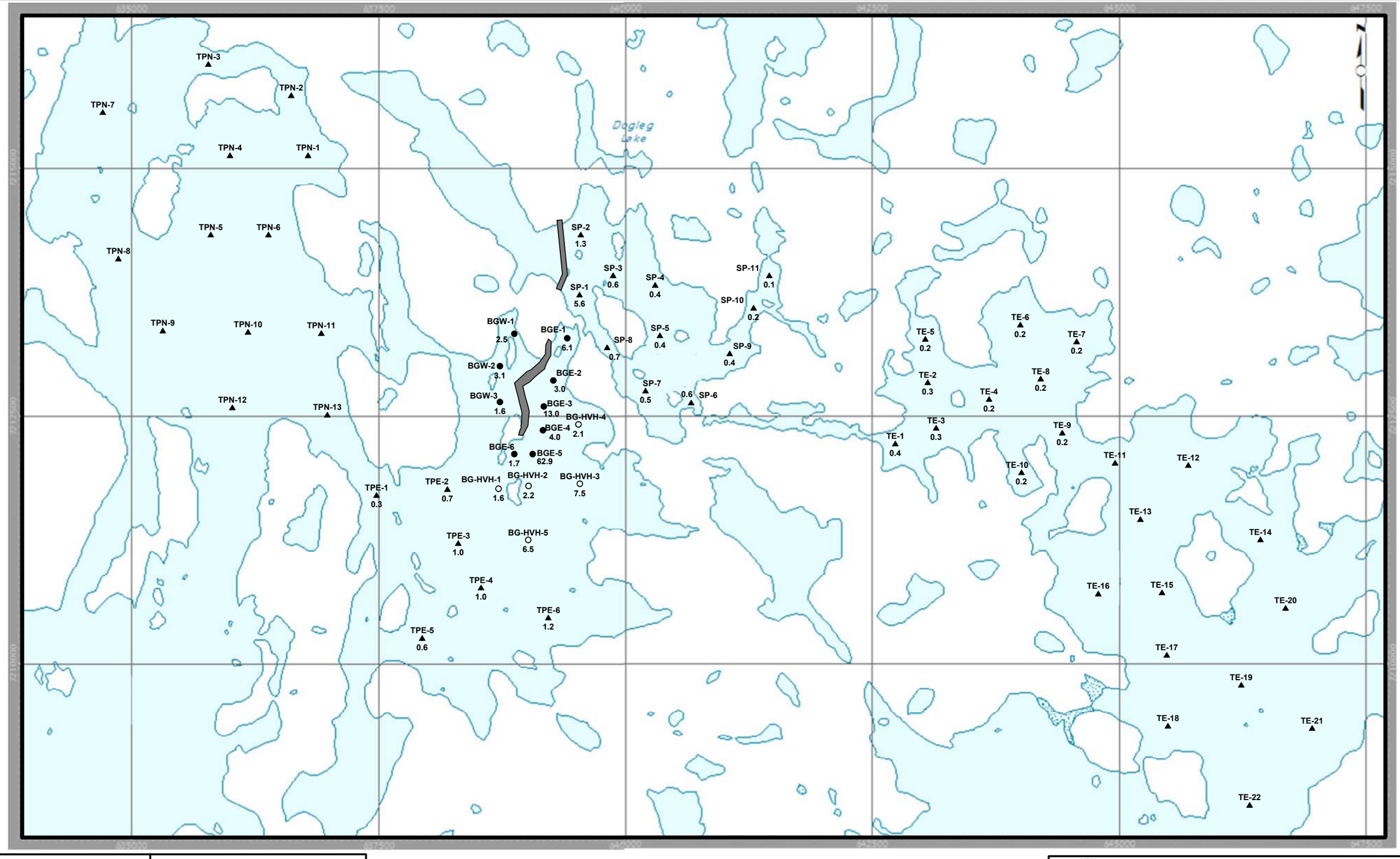
From: Stéphane Robert [mailto:stephane.robert@agnico-eagle.com]
Sent: Saturday, August 15, 2009 6:39 PM
To: Wilson,Anne [Yel]; Liu, Amy; Balint, David; David Abernethy; Kevin Buck; Andrew.Keim@inac-ainc.gc.ca; Luis Manzo; Stephen Hartman; Dionne@nunavutwaterboard.org; dts@nunavutwaterboard.org
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction

Hi

I would like to give you an update on Total Suspended Solids (TSS) monitoring at the Bay Goose dike construction. All stations remain below relevant thresholds except for the station BGE-3 (see Bay Goose TSS figure 14 August 2009.pdf). The turbidity curtains retain the majority of the TSS (see pictures) except near the station BGE-3. For the last two days, we had strong winds at Meadowbank. These winds applied a lot on pressure on the big curtain panels (25 m depth) at that location. We believe that this prevents the curtain to remain vertical at the bottom. Station BGE-3, where high values of TSS were recorded, is located between 18 and 22 m depth, several meters off of the bottom. The higher values persisted within a thin (2 - 4 m) wedge (see turbidity data input Aug 14.pdf). The TSS concentration at this station results in a 24 hour TSS concentration of 52 mg/L. This is in excess of the 50 mg/L 24 hour average (see Bay Goose TSS results 14 august 2009 v2 .pdf). The 30-day average concentration is now just under the 15 mg/L threshold. This plume is very confined at depth and it is not spreading in TPL, SPL and Tehek Lake.

Our strategy is change the construction planning and complete the east section of the platform (around 20-30 m wide) to be able to reach rapidly the BayGoose Island and reduce the effect of the winds. We would like to hold a conference call Monday at 16:00 to discuss the results and this TSS control strategy.

Stéphane Robert
Environment superintendent
Agnico-Eagle
Meadowbank Division
Phone: 819-759-3700 ext. 814
Cel: 819-763-0229
stephane.robert@agnico-eagle.com



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

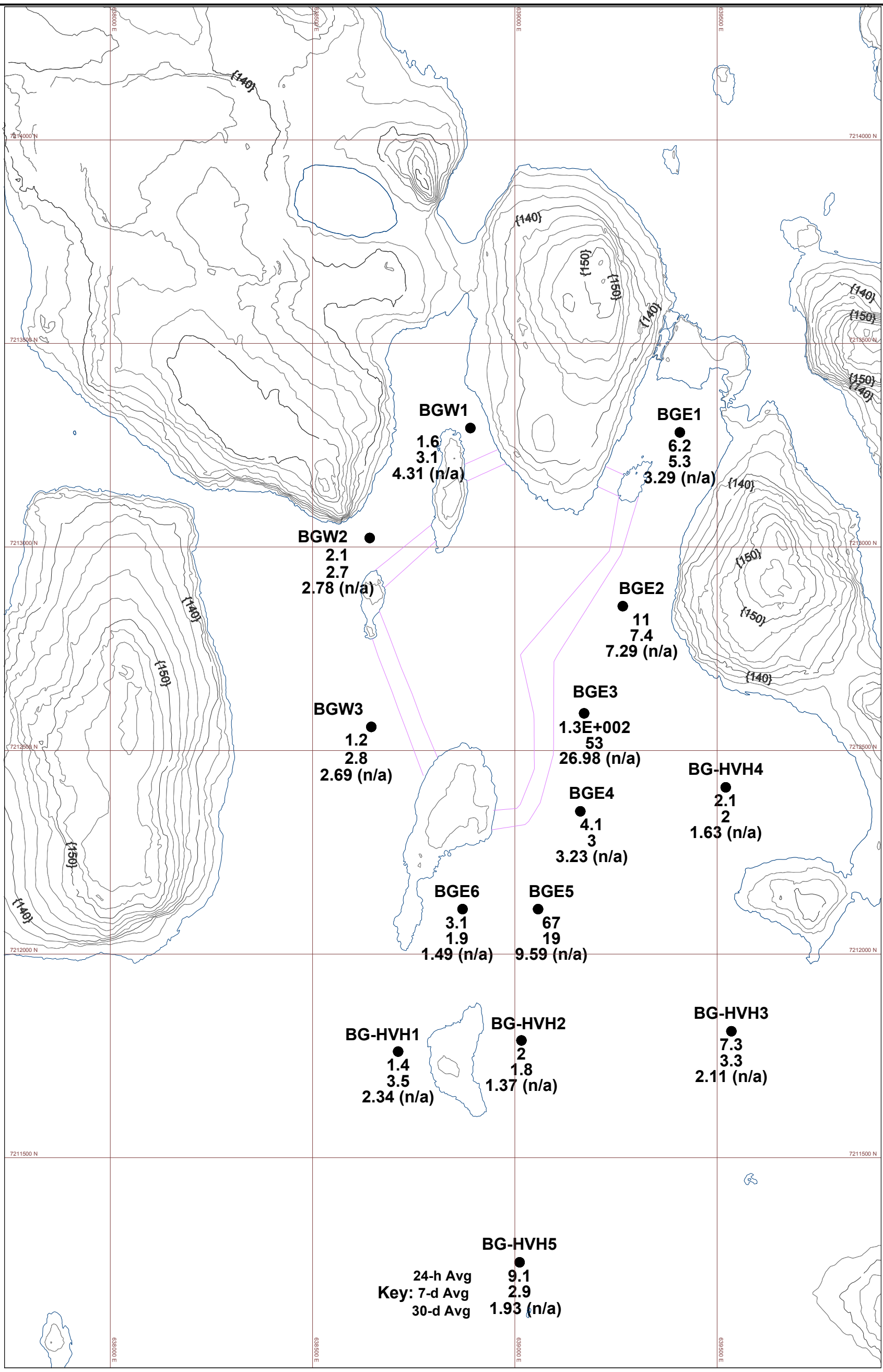
Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY TSS ESTIMATES (mg/L) FOR August 14 - 16, 2009.

BAY-GOOSE BROAD MAP.GRF



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 17, 2009 23:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m	Notes
17-Aug-09	A	40042A	BGW-1	7:55	3.6	2.9	3.6												
17-Aug-09	A	40042A	BGW-2	8:00	6.2	2.9	2.9	2.6	2.2	2.8	6.2								
17-Aug-09	A	40042A	BGW-3	8:15	1.9	1.8	1.6	1.9											
17-Aug-09	A	40042A	BGE-6	8:39	6.4	6.1	6.4												
17-Aug-09	A	40042A	BGE-5	8:41	270.0	6.2	6.2	6.5	5.9	5.7	7.3	7.9	22.0	153.0	189.0	270.0			max depth 22 m
17-Aug-09	A	40042A	BGE-4	8:48	6.4	6.4	6.1	5.6	5.7	5.3	5.4	5.7							
17-Aug-09	A	40042A	BGE-3	8:53	535.0	5.9	6.2	6.6	6.2	6.5	6.2	6.4	21.4	72.2	191.0	535.0	164.0	167.0	max depth 25 m
17-Aug-09	A	40042A	BGE-2	9:00	9.1	4.9	6.1	6.2	6.8	9.1	5.4								
17-Aug-09	A	40042A	BGE-1	9:06	17.5	13.2	13.4	15.0	17.5										
17-Aug-09	A	40042A	BG-HVH-1	8:32	3.8	3.7	3.8												
17-Aug-09	A	40042A	BG-HVH-2	8:37	4.0	4.0	3.8												
17-Aug-09	A	40042A	BG-HVH-3	9:24	16.9	6.4	6.7	7.0	7.0	6.8	7.4	6.8	16.9						
17-Aug-09	A	40042A	BG-HVH-4	9:19	4.7	3.9	4.7	4.6											
17-Aug-09	A	40042A	BG-HVH-5	9:33	15.1	5.4	5.6	6.3	8.2	9.1	15.1								
Copy This Row Between Each Event																			
17-Aug-09	B	40042B	BGW-1	16:21	3.1	3.0	3.1												
17-Aug-09	B	40042B	BGW-2	16:24	5.3	2.9	2.9	2.8	3.1	3.9	5.3								
17-Aug-09	B	40042B	BGW-3	16:28	3.4	2.8	3.0	3.4											
17-Aug-09	B	40042B	BGE-6	16:42	8.2	8.1	8.2												
17-Aug-09	B	40042B	BGE-5	16:43															
17-Aug-09	B	40042B	BGE-4	17:18	13.9	13.9	9.0	9.3	8.9	8.4	8.8	9.3							
17-Aug-09	B	40042B	BGE-3	16:59															
17-Aug-09	B	40042B	BGE-2	17:01	9.4	4.5	4.9	5.2	5.3	6.5	7.1	9.4							
17-Aug-09	B	40042B	BGE-1	17:04	16.1	15.4	16.2	16.1	16.1										
17-Aug-09	B	40042B	BG-HVH-1	16:38	2.0	2.0	2.0												
17-Aug-09	B	40042B	BG-HVH-2	16:40	4.5	4.5	3.2												
17-Aug-09	B	40042B	BG-HVH-3	16:49	10.7	9.1	10.2	9.0	10.6	10.7	10.3	10.3	10.7						
17-Aug-09	B	40042B	BG-HVH-4	16:54	4.6	3.9	4.4	4.6											
17-Aug-09	B	40042B	BG-HVH-5	16:36	38.0	15.1	11.1	16.4	18.3	22.5	38.0								

Very windy conditions caused the boat to drift so that the turbidty probe was shallower than the depth indicated on the wire. Consequently, data at deeper stations could not be reliably obtained.

BGW-1
BGW-2
BGW-3
BGE-1
BGE-2
BGE-3
BGE-4
BGE-5
BGE-6
BG-HVH-1
BG-HVH-2
BG-HVH-3
BG-HVH-4
638700 E
639000 E
639300 E
639600 E
7213200 N
7212900 N
7212600 N
7212300 N
7212000 N

TITLE	# DWG	REV	DESCRIPTION	DATE	BY

REFERENCE DRAWINGS

REVISIONS

AGNICO-EAGLE

DRAWN BY	DATE
CHECKED BY	
APPROVED BY	
PROJECT NO.	
DATE	

TITLE
AGNICO-EAGLE – MEADOWBANK DIVISION

SCALE	FILE
1:2000	.DWG

DRAWING NO.	REVISION	SHEET
		1 / 1

X:\Bay-Goose Dike\TSS\DWG\Azimut BayGoose Dike.dwg, 18 Aug 2009

P8160024

From: Stéphane Robert
Sent: Wednesday, August 19, 2009 3:00 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: RE: Bay Goose Dike construction
Attachments: Bay-Goose TSS Figure 18 August 2009.pdf; Turbidity Data Input Aug 18 2009.pdf

Hi

Here the results from yesterday. The turbidity values at BGE-3 and BGE-5 are much lower. The station in the East Bassin seems to be more constant through all the vertical profile around 20 NTU (see Turbidity data Input Aug 18 2009.pdf).

If you have any questions do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
Environment superintendent
Agnico-Eagle
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Phone: 819-759-3700 ext. 814
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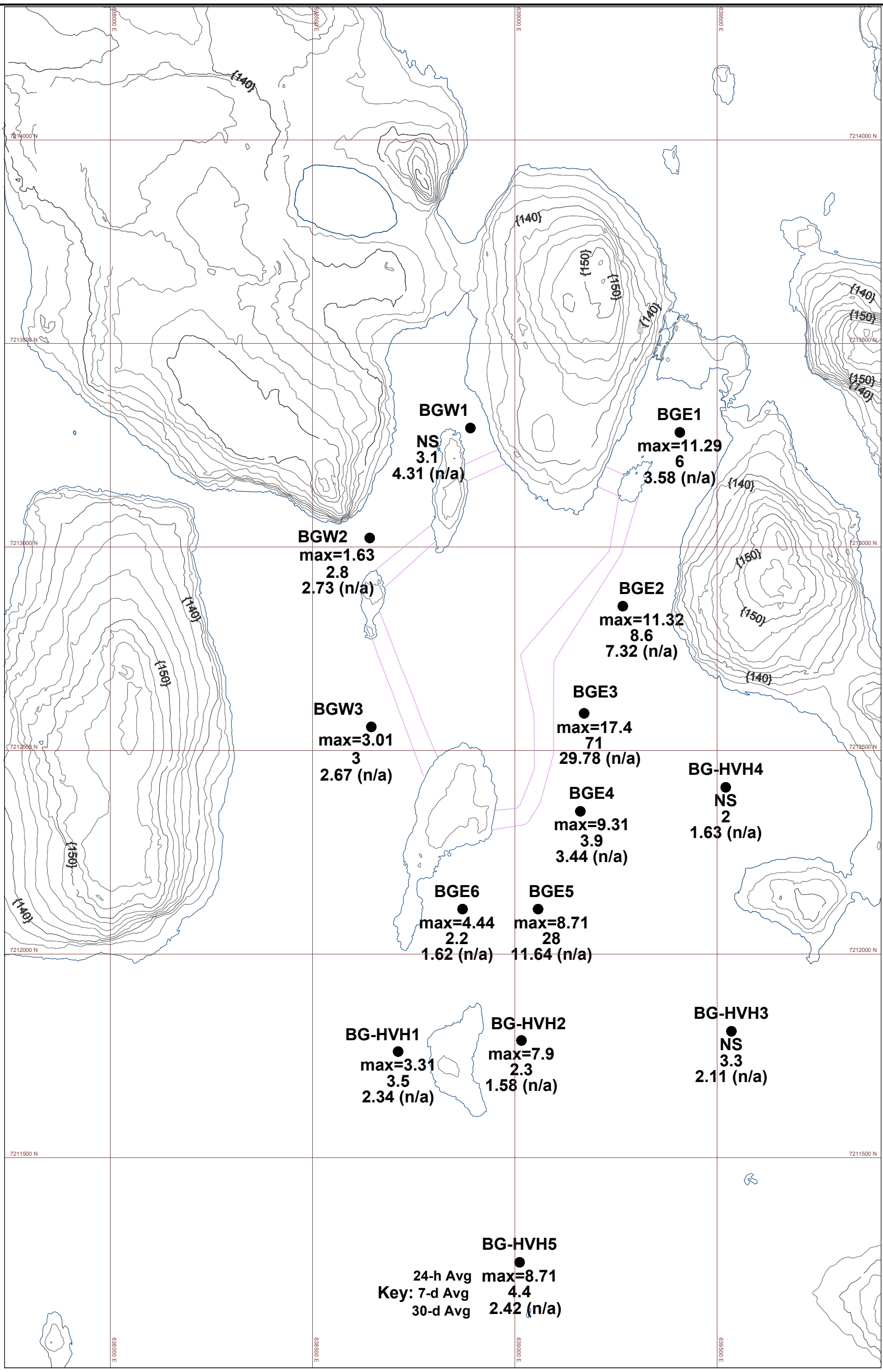
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 18, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
18-Aug-09	A	40043A	BGW-1															
18-Aug-09	A	40043A	BGW-2	16:49	3.4	3.3	3.4	3.2	3.4	3.3	3.4							
18-Aug-09	A	40043A	BGW-3	16:56	7.0	6.3	6.5	7.0										
18-Aug-09	A	40043A	BGE-6	17:22	11.2	11.2	10.9											
18-Aug-09	A	40043A	BGE-5	17:25	25.2	19.5	25.2	21.7	23.6	22.3	22.7	23.2	22.5	22.6	22.1	21.8		
18-Aug-09	A	40043A	BGE-4	17:30	27.3	20.6	23.5	23.3	25.1	24.4	26.2	27.3	23.9					
18-Aug-09	A	40043A	BGE-3	17:34	57.8	27.5	28.4	26.6	24.6	27.3	27.8	25.2	23.1	57.8	55.0			
18-Aug-09	A	40043A	BGE-2	17:40	34.5	27.3	26.6	30.5	29.4	34.5	29.9	29.2	28.5					
18-Aug-09	A	40043A	BGE-1	17:44	34.4	33.1	32.5	34.4	31.4									
18-Aug-09	A	40043A	BG-HVH-1	17:05	7.9	6.9	7.9											
18-Aug-09	A	40043A	BG-HVH-2	17:17	22.4	21.1	20.7	22.4	22.4									
18-Aug-09	A	40043A	BG-HVH-3															
18-Aug-09	A	40043A	BG-HVH-4															
18-Aug-09	A	40043A	BG-HVH-5	17:11	25.2	19.4	22.8	23.1	25.2	23.3	23.6							

From: Stéphane Robert
Sent: Thursday, August 20, 2009 6:28 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction
Attachments: Bay-Goose TSS Figure 19 August 2009.pdf; IMG_4378-W1024.jpg; IMG_4343-W1024.jpg; IMG_4357-W1024.jpg; Bay-Goose Broad Map 19 August 2009.pdf; Turbidity Data Input Aug 19 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations yesterday (Bay Goose TSS Figure 19 August 2009.pdf). Winds remained fairly strong from the SE. Key results as follows:

- **BGW stations** – TSS remains low in this area.
- **BGE stations** – Today's sampling confirmed that the deep TSS plume has largely mixed with the upper water column (Turbidity data input Aug 19 2009.pdf).
- **HVH stations** – Similar to the BGE stations, TSS concentrations are generally higher throughout the water column due to the dispersion of the former deep TSS plume.

The only station that exceed the monthly mean is BGE-3 (29 mg/l vs 15 mg/l). All the others station respected the 24 hr/limit (50 mg/l) and the monthly mean limit (15 mg/l).

A Broad survey was conducted in Third Portage and Second Portage yesterday (Bay Goose Broad Map 19 August 2009.pdf):

- **Third Portage East broad survey** – Maximum TSS concentrations during this morning's broad survey were all less than 15 mg/L. The eastern half of the east basin (5.8 to 14.6 mg/L) has considerably higher TSS concentrations than the western half (0.2 to 3.0 mg/L) (see pictures)
- **Second Portage broad survey** – TSS concentrations at the broad survey stations were all low (1 mg/L or lower). There was a narrow TSS plume originating in Third Portage Lake that was hugging the southwestern shoreline to the East Dike; TSS concentrations were approximately 13 mg/L in this zone.

We are preparing for the installation of an additional silt curtain, across the channel leaving Third Portage Lake, to prevent an eventual spreading of the TSS further downstream. This installation will be done during the next few days.

If you have any questions do not hesitate to contact me.

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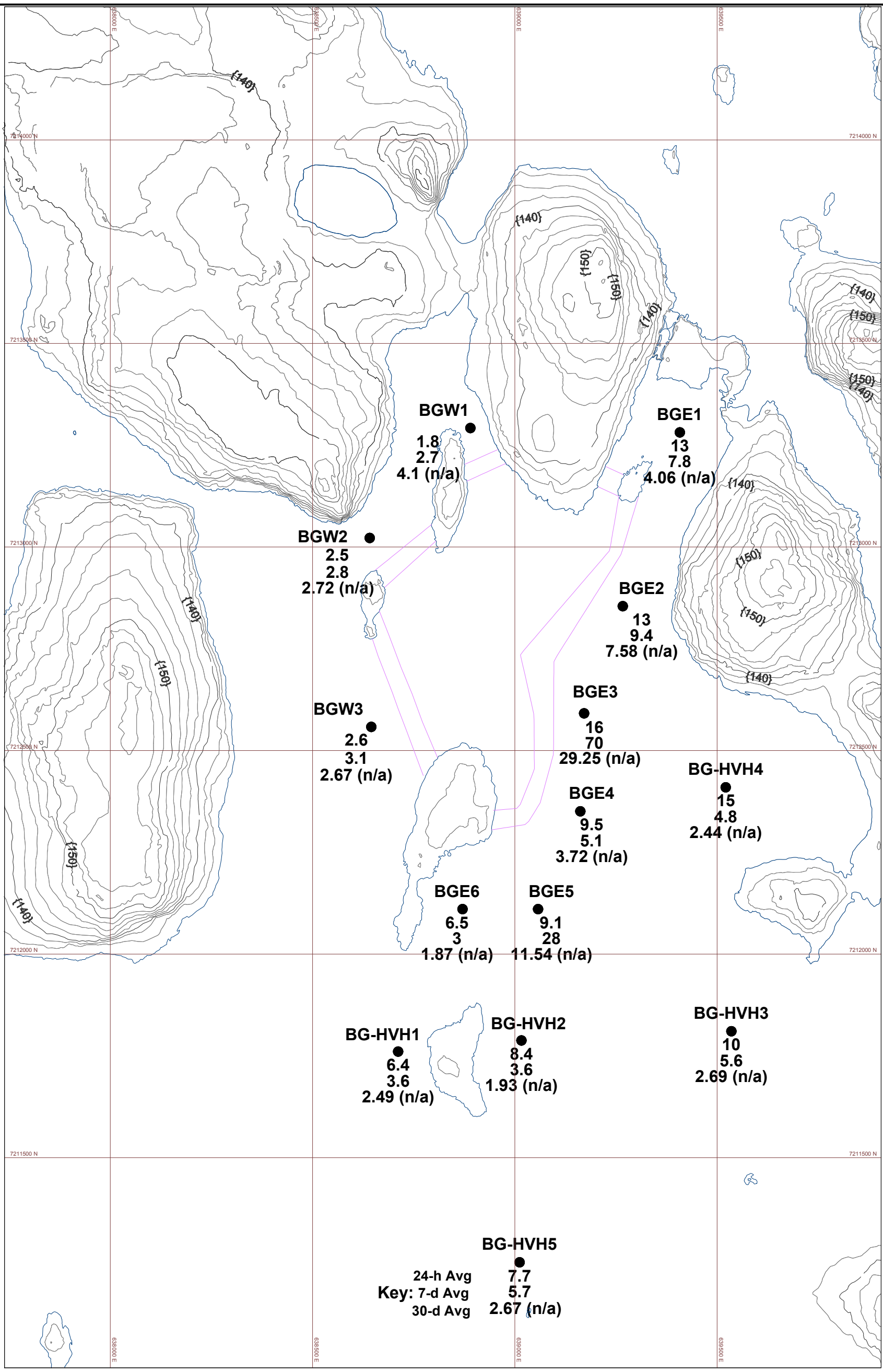


Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 19, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

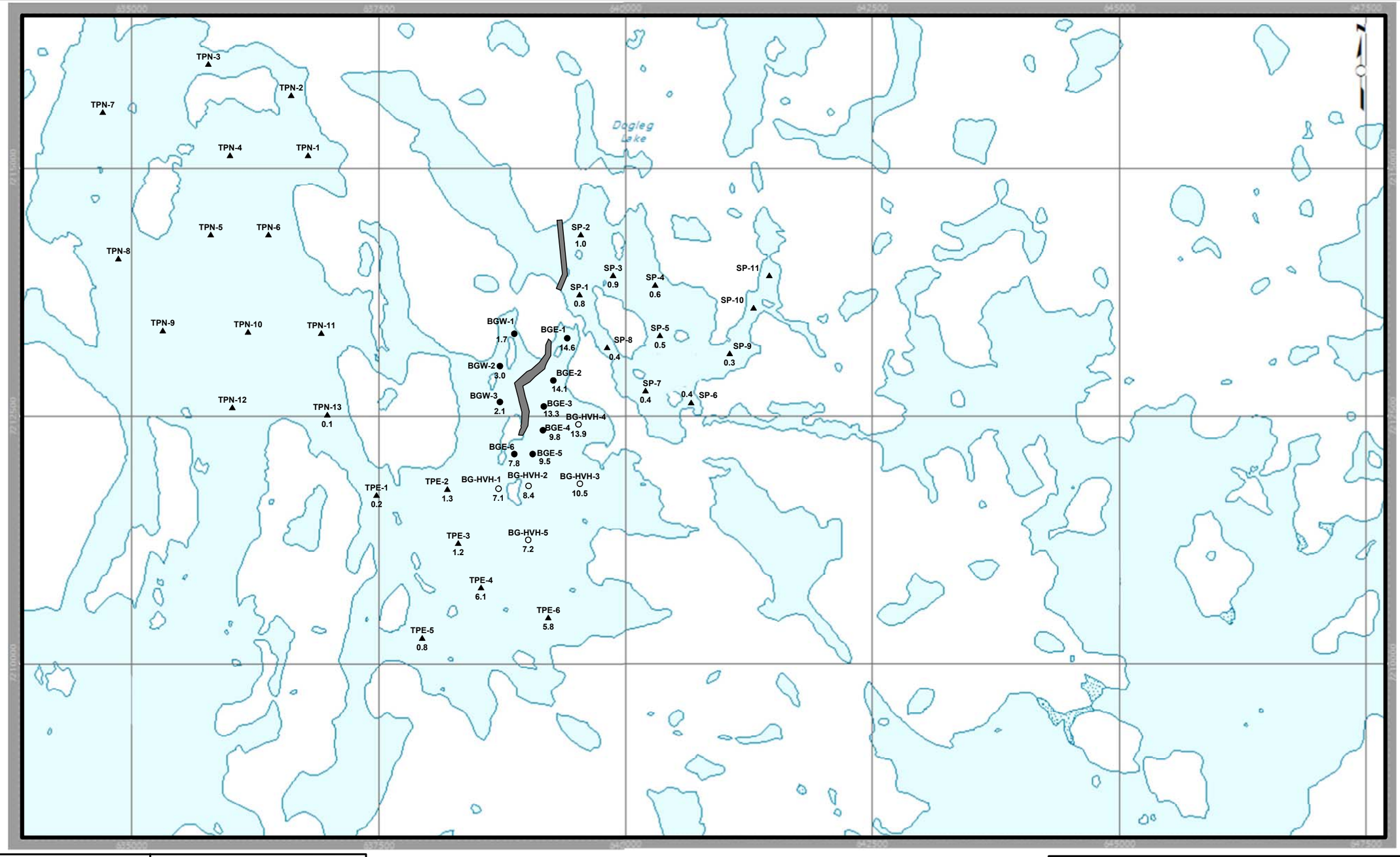
FIGURE 1

Bay-Goose North4.grf

IMG 4343-W1024

IMG 4357-W1024

IMG 4378-W1024



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY TSS ESTIMATES (mg/L) FOR August 19, 2009.

BAY-GOOSE BROAD MAP.GRF

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
								Copy This Row Between Each Event										
19-Aug-09	A	40044A	BGW-1	8:20	3.7	2.9	3.7	3.6										
19-Aug-09	A	40044A	BGW-2	8:19	7.0	4.8	4.8	4.7	5.0	5.8	7.0							
19-Aug-09	A	40044A	BGW-3	8:44	4.6	4.4	4.6	4.6	4.6									
19-Aug-09	A	40044A	BGE-6	10:35	22.2	21.4	22.2											
19-Aug-09	A	40044A	BGE-5	10:38	27.8	19.3	26.1	27.8	24.1	24.5	23.5	23.7	27.1	22.9	23.4	27.5		
19-Aug-09	A	40044A	BGE-4	10:40	29.1	25.2	28.3	29.1	26.4	25.1	27.1							
19-Aug-09	A	40044A	BGE-3	10:45	42.0	25.6	31.1	26.2	26.8	26.5	32.1	23.7	26.7	27.0	25.1	31.0	42.0	
19-Aug-09	A	40044A	BGE-2	10:52	45.0	32.2	32.1	45.0	33.3	35.9	34.8	35.6	36.3					
19-Aug-09	A	40044A	BGE-1	10:57	47.0	36.5	47.0	44.5	44.3									
19-Aug-09	A	40044A	BG-HVH-1	11:20	19.7	18.1	19.7											
19-Aug-09	A	40044A	BG-HVH-2	10:30	24.1	21.4	23.5	24.1										
19-Aug-09	A	40044A	BG-HVH-3	11:12	31.4	18.1	21.2	25.2	26.2	24.5	24.1	22.0	27.3	31.4				
19-Aug-09	A	40044A	BG-HVH-4	11:05	44.1	36.1	28.6	40.7	44.1									
19-Aug-09	A	40044A	BG-HVH-5	10:15	20.0	18.5	18.1	20.0	17.5	17.1	15.2							
19-Aug-09	B	40044B	BGW-1	16:10	3.7	3.4	3.7	3.5										
19-Aug-09	B	40044B	BGW-2	16:16	6.6	5.3	6.6	5.5	5.8	6.1	5.7							
19-Aug-09	B	40044B	BGW-3	16:21	8.4	7.7	7.2	8.4										
19-Aug-09	B	40044B	BGE-6	16:50	19.6	16.2	18.2	19.6										
19-Aug-09	B	40044B	BGE-5	16:52	26.5	20.1	24.5	23.1	26.5	24.8	23.7	24.0	24.1	22.7	23.3	24.1	25.3	
19-Aug-09	B	40044B	BGE-4	16:54	25.0	22.5	23.3	25.0	23.1	22.9	22.7	22.5						
19-Aug-09	B	40044B	BGE-3	16:59	90.0	24.5	26.0	25.7	25.5	28.9	22.9	26.7	31.5	29.7	34.0	80.1	90.0	
19-Aug-09	B	40044B	BGE-2	17:14	45.0	34.7	38.0	37.0	45.0	36.0	39.1	35.5	43.5					
19-Aug-09	B	40044B	BGE-1	17:20	43.0	34.8	43.0	38.2	40.2	41.3								
19-Aug-09	B	40044B	BG-HVH-1	17:35	14.9	12.7	14.9											
19-Aug-09	B	40044B	BG-HVH-2	16:42	28.2	18.3	21.5	19.1	21.2	24.6	28.2							
19-Aug-09	B	40044B	BG-HVH-3	17:30	29.1	23.1	23.1	23.2	23.4	23.3	29.1	27.3	28.1	26.1				
19-Aug-09	B	40044B	BG-HVH-4	17:23	51.0	36.8	38.7	40.0	51.0									
19-Aug-09	B	40044B	BG-HVH-5	16:27	18.2	16.5	17.1	17.2	18.2	15.7	16.4							

From: Stéphane Robert
Sent: Saturday, August 22, 2009 7:52 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction
Attachments: Bay-Goose TSS Figure 21 August 2009.pdf; Turbidity Data Input Aug 21 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations yesterday (Bay Goose TSS Figure 21 August 2009.pdf). Winds were light to moderate from the NW. Key results as follows:

- **BGW stations** – TSS remains low in this area.
- **BGE stations** – The deep turbid areas are reforming. BGE-2 has the strongest vertical gradient, going from 12 mg/L at 12 m to over 200 mg/L at 14 m. A similar, but less pronounced, gradient was found at BGE-3; TSS concentrations were ~10 mg/L at 14 m, then gradually increased to ~90 mg/L by 20 m (Turbidity data input Aug 19 2009.pdf). BGE-5 showed an even weaker gradient, with about 30 mg/L present by the afternoon's sampling.

It is important to note that the most turbid water is currently restricted to the lower water column only; the upper water column actually showed a slight improvement at most stations compared to yesterday.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 22.30 m/L (2.2 to 144 mg/L)

Monthly mean (30 days): 6.43 mg/L (2.5 to 30.86 mg/L). The only station that exceeds the monthly mean is BGE-3 (30.86 mg/l vs 15 mg/l).

If you have any questions do not hesitate to contact me.

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Stéphane Robert
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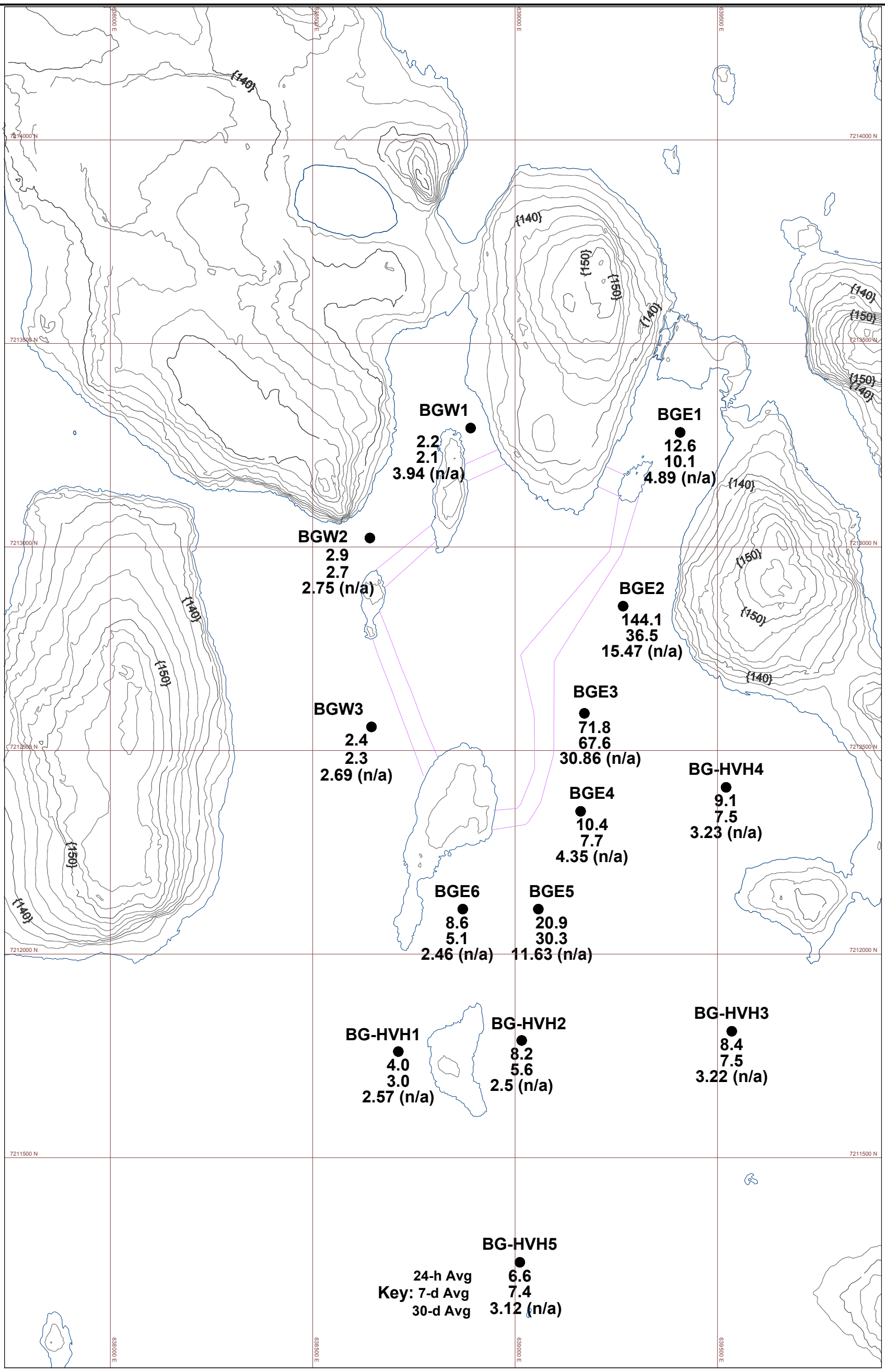
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 21, 2009 20:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
21-Aug-09	A	40046A	BGW-1	6:53	5.3	5.1	5.3	5.0										
21-Aug-09	A	40046A	BGW-2	6:58	7.3	6.3	7.3	6.8	6.5	6.5	6.5							
21-Aug-09	A	40046A	BGW-3	7:03	5.6	5.6	5.4	5.3	5.4									
21-Aug-09	A	40046A	BGE-6	7:18	24.1	23.5	24.1	21.9										
21-Aug-09	A	40046A	BGE-5	7:22	41.1	22.6	23.4	23.0	22.1	23.2	24.8	24.0	24.9	23.9	24.0	28.8	41.1	
21-Aug-09	A	40046A	BGE-4	7:29	34.1	23.9	21.5	22.2	34.1	23.6	24.6	23.4	27.3	30.1				
21-Aug-09	A	40046A	BGE-3	7:35	415.0	25.8	27.4	27.5	29.7	28.3	29.5	28.5	63.2	117.2	236.0	397.0	415.0	
21-Aug-09	A	40046A	BGE-2	7:43	1000.0	21.5	23.4	28.4	24.9	26.0	28.0	45.0	1000.0					
21-Aug-09	A	40046A	BGE-1	7:50	32.5	31.2	32.5	31.5	28.9	32.4								
21-Aug-09	A	40046A	BG-HVH-1	7:49	6.2	6.2	6.1											
21-Aug-09	A	40046A	BG-HVH-2	7:15	22.9	20.1	22.9	22.0	20.1									
21-Aug-09	A	40046A	BG-HVH-3	7:58	25.1	19.8	25.1	19.5	20.6	20.8	22.0	24.1	23.5	23.1				
21-Aug-09	A	40046A	BG-HVH-4	7:55	25.1	23.1	22.1	25.1	24.0									
21-Aug-09	A	40046A	BG-HVH-5	7:11	16.1	15.0	16.1	15.8	13.9	13.5	13.0							
21-Aug-09	B	40046B	BGW-1	16:38	4.2	4.2	4.0	4.2										
21-Aug-09	B	40046B	BGW-2	16:34	6.1	5.2	5.1	5.2	5.3	5.2	6.1							
21-Aug-09	B	40046B	BGW-3	16:36	4.9	4.4	4.3	4.6	4.9									
21-Aug-09	B	40046B	BGE-6	16:01	25.4	19.5	25.4	23.8										
21-Aug-09	B	40046B	BGE-5	15:55	103.2	20.5	21.9	21.0	22.2	24.1	23.1	26.2	30.5	34.9	51.8	74.2	103.2	
21-Aug-09	B	40046B	BGE-4	15:50	32.3	20.5	21.8	22.8	22.0	20.4	20.0	22.7	20.8	32.3				
21-Aug-09	B	40046B	BGE-3	15:43	461.0	22.6	23.2	29.6	23.1	25.7	29.0	39.8	43.6	83.1	356.0	391.0	461.0	
21-Aug-09	B	40046B	BGE-2	15:38	1220.0	23.3	23.6	24.6	25.2	26.3	31.4	32.2	1220.0					
21-Aug-09	B	40046B	BGE-1	15:33	31.9	27.0	27.4	30.3	29.1	31.9								
21-Aug-09	B	40046B	BG-HVH-1	16:24	13.6	13.6	12.5											
21-Aug-09	B	40046B	BG-HVH-2	16:05	23.7	20.5	22.2	22.4	23.7									
21-Aug-09	B	40046B	BG-HVH-3	16:09	21.0	19.8	20.4	20.0	20.4	20.6	20.7	21.0	18.8	15.4				
21-Aug-09	B	40046B	BG-HVH-4	15:28	23.0	22.0	23.0	23.0										
21-Aug-09	B	40046B	BG-HVH-5	16:17	20.3	20.3	17.7	18.7	19.5	13.6	13.3							

From: Stéphane Robert
Sent: Sunday, August 23, 2009 7:15 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 22
Attachments: Bay-Goose TSS Figure 22 August 2009.pdf; Turbidity Data Input Aug 22 2009.pdf; August 22 2009.jpg

Hi

Two rounds of sampling were conducted at the routine stations yesterday (Bay Goose TSS Figure 22 August 2009.pdf). Winds were moderate from the NNW. Key results as follows:

- **BGW stations** – TSS remains low in this area.
- **BGE stations** – The deep turbid areas are intensifying relative to yesterday. The upper water column (e.g., top 10 m) is characterized by TSS concentrations of approximately 6 to 12 mg/L; certain deep areas (e.g., deeper than 12 or 14 m) have TSS concentrations of between 100 to 250 mg/L (Turbidity data input Aug 22 2009.pdf).
- **HVH stations** – Overall, concentrations are still relatively low.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 40 m/L (2.5 to 263 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 8.22 mg/L (2.7 to 40.1 mg/L) - Limit is 15 mg/L. Two stations exceed the monthly mean BGE-2 and BG-3 (30.5 and 40.1 mg/l vs 15 mg/l).

If you have any questions do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
Environment superintendent
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Phone: 819-759-3700 ext. 814
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stephane.robert@agnico-eagle.com

From: Stéphane Robert
Sent: Saturday, August 22, 2009 9:52 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction

Hi

Two rounds of sampling were conducted at the routine stations yesterday (Bay Goose TSS Figure 21 August 2009.pdf). Winds were light to moderate from the NW. Key results as follows:

- **BGW stations** – TSS remains low in this area.
- **BGE stations** – The deep turbid areas are reforming. BGE-2 has the strongest vertical gradient, going from 12 mg/L at 12 m to over 200 mg/L at 14 m. A similar, but less pronounced, gradient was found at BGE-3; TSS concentrations were ~10 mg/L at 14 m, then gradually increased to ~90 mg/L by 20 m (Turbidity data input Aug 19 2009.pdf). BGE-5 showed an even weaker gradient, with about 30 mg/L present by the afternoon's sampling.

It is important to note that the most turbid water is currently restricted to the lower water column only; the upper water column actually showed a slight improvement at most stations compared to yesterday.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 22.30 m/L (2.2 to 144 mg/L)

Monthly mean (30 days): 6.43 mg/L (2.5 to 30.86 mg/L). The only station that exceeds the monthly mean is BGE-3 (30.86 mg/l vs 15 mg/l).

If you have any questions do not hesitate to contact me.

AGNICO-EAGLE

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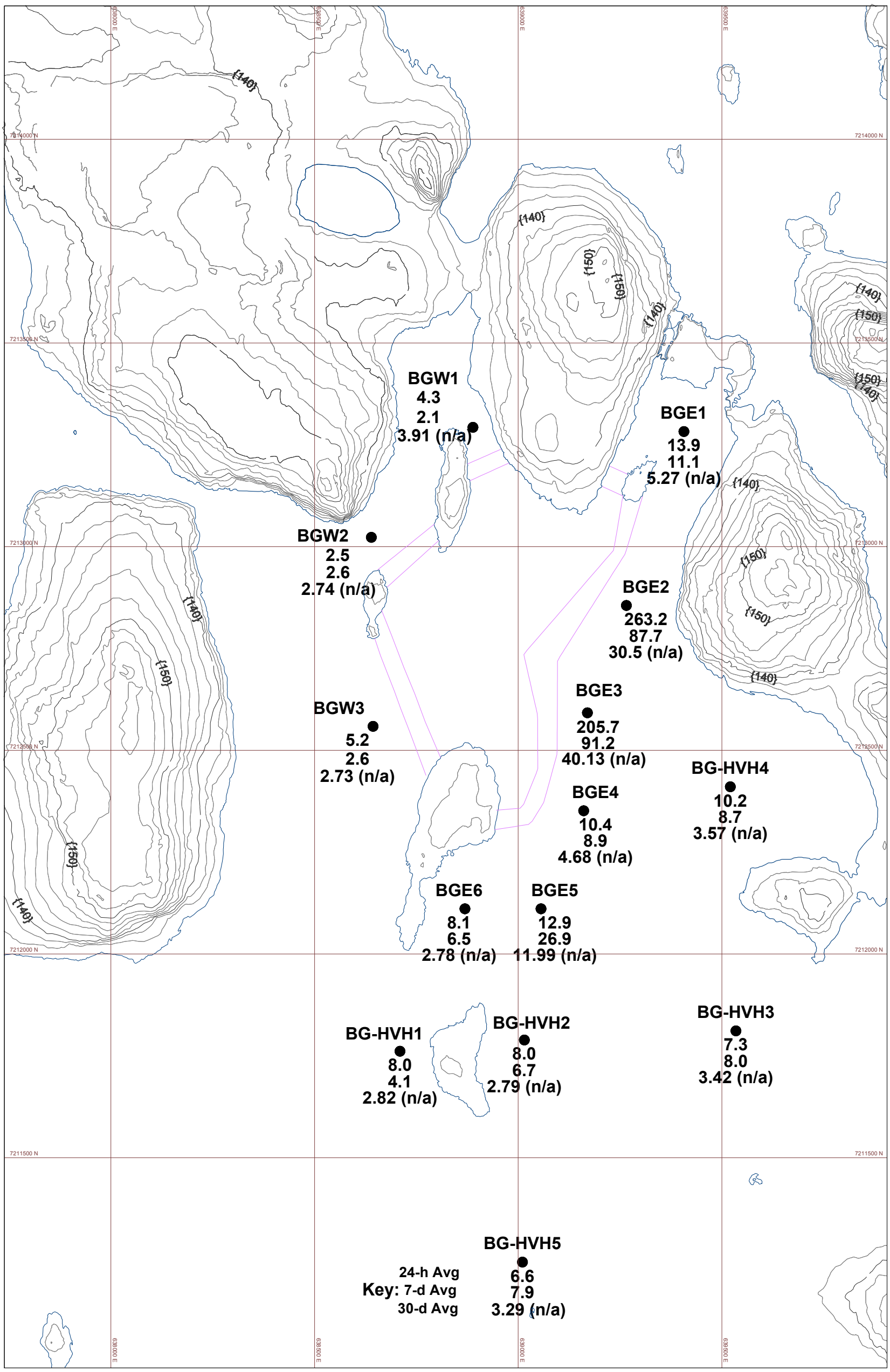
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 22, 2009 22:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
22-Aug-09	A	40047A	BGW-1	10:30	7.5	5.8	6.1	7.5										
22-Aug-09	A	40047A	BGW-2	10:26	5.6	4.6	5.6	5.6	4.6	5.1	5.3							
22-Aug-09	A	40047A	BGW-3	10:06	8.1	6.5	8.1	5.9	6.1									
22-Aug-09	A	40047A	BGE-6	9:36	28.6	28.6	27.9	25.2										
22-Aug-09	A	40047A	BGE-5	9:30	58.1	20.9	25.5	22.0	23.5	23.1	24.1	23.2	24.4	24.0	23.8	28.4	58.1	
22-Aug-09	A	40047A	BGE-4	9:25	37.5	25.2	23.5	31.8	25.0	25.0	26.8	27.1	28.5	37.5				
22-Aug-09	A	40047A	BGE-3	9:15	1600.0	27.8	33.0	25.9	32.5	29.5	34.2	34.5	59.0	247.0	500.0	600.0	650.0	1600.0
22-Aug-09	A	40047A	BGE-2	8:55	1600.0	44.5	41.5	48.9	49.5	52.0	43.6	110.5	1600.0					
22-Aug-09	A	40047A	BGE-1	8:13	37.8	35.1	37.8	36.3	37.1	36.5								
22-Aug-09	A	40047A	BG-HVH-1	10:01	27.8	27.0	27.8											
22-Aug-09	A	40047A	BG-HVH-2	9:39	23.6	22.0	20.8	23.6										
22-Aug-09	A	40047A	BG-HVH-3	9:44	18.8	16.5	15.7	15.5	18.8	18.0	18.7	18.2	17.9	18.4				
22-Aug-09	A	40047A	BG-HVH-4	8:54	33.1	27.0	29.1	31.0	33.1									
22-Aug-09	A	40047A	BG-HVH-5	9:54	18.3	16.9	18.1	18.3	16.0	14.2	13.5							
22-Aug-09	B	40047B	BGW-1	19:07	13.9	10.1	10.7	13.9										
22-Aug-09	B	40047B	BGW-2	19:13	5.4	4.5	5.3	5.4	5.3	5.1	5.1							
22-Aug-09	B	40047B	BGW-3	20:16	19.1	16.7	19.1	18.4	19.1									
22-Aug-09	B	40047B	BGE-6	19:32	17.9	17.6	17.9	17.9										
22-Aug-09	B	40047B	BGE-5	19:34	22.5	16.7	18.4	22.5	20.3	19.7	19.4	19.2	18.9	21.0	20.2	20.3	20.2	
22-Aug-09	B	40047B	BGE-4	19:41	24.7	17.8	21.6	22.1	23.2	19.2	21.1	24.1	24.7	19.0				
22-Aug-09	B	40047B	BGE-3	19:46	640.0	30.0	32.3	33.0	35.8	45.3	41.1	67.0	122.9	305.0	388.0	614.0	640.0	
22-Aug-09	B	40047B	BGE-2	19:53	1412.0	30.1	29.6	33.4	37.4	51.4	35.0	93.0	1412.0					
22-Aug-09	B	40047B	BGE-1	20:00	50.2	43.5	38.9	50.2	46.2									
22-Aug-09	B	40047B	BG-HVH-1	19:20	17.8	17.8	17.8											
22-Aug-09	B	40047B	BG-HVH-2	19:28	22.1	20.9	21.3	20.2	22.1									
22-Aug-09	B	40047B	BG-HVH-3	20:08	22.2	15.7	22.2	17.7	17.4	18.0	20.8	21.8	18.3					
22-Aug-09	B	40047B	BG-HVH-4	20:04	27.5	24.1	27.5	24.0	23.1									
22-Aug-09	B	40047B	BG-HVH-5	19:23	17.9	15.6	16.0	17.9	14.8	15.2	14.0							

August 22 2009

From: Stéphane Robert
Sent: Monday, August 24, 2009 6:05 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 23
Attachments: Bay-Goose TSS Figure 23 August 2009.pdf; bay goose dike 5 (Large).jpg; bay goose dike 1 (Large).jpg; Turbidity Data Input Aug 23 2009.pdf

Hi

One round of sampling was conducted at the routine stations today. Winds were moderate from the NW. Key results as follows:

- **BGW stations** – TSS remains low in this area and changed little since yesterday.
- **BGE stations** – The deep turbid areas were less intense this morning. The bottom zone at BGE-3and BGE-2 were around 100 and 150 mg/L, respectively.
- **HVH stations** – Little change from yesterday; TSS concentrations are still below triggers (6 to 12 mg/L 24-hr average at all stations).

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 29.7 m/L (2.7 to 203 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 8.84 mg/L (2.7 to 42.4 mg/L) - Limit is 15 mg/L. Two stations exceed the monthly mean BGE-2 and BG-3 (36.2 and 42.4 mg/l vs 15 mg/l).

The installation of the turbidity curtain has to stop yesterday because of broke engine on the boat. We resume the installation today.

For the platform, we will reach the Goose Island in 2 to 3 days (only 200 m remains in 1 to 2 m deep). More than 40 % of the backfill of the trench is complete.

Talk to you tomorrow at the conference call.

AGNICO-EAGLE

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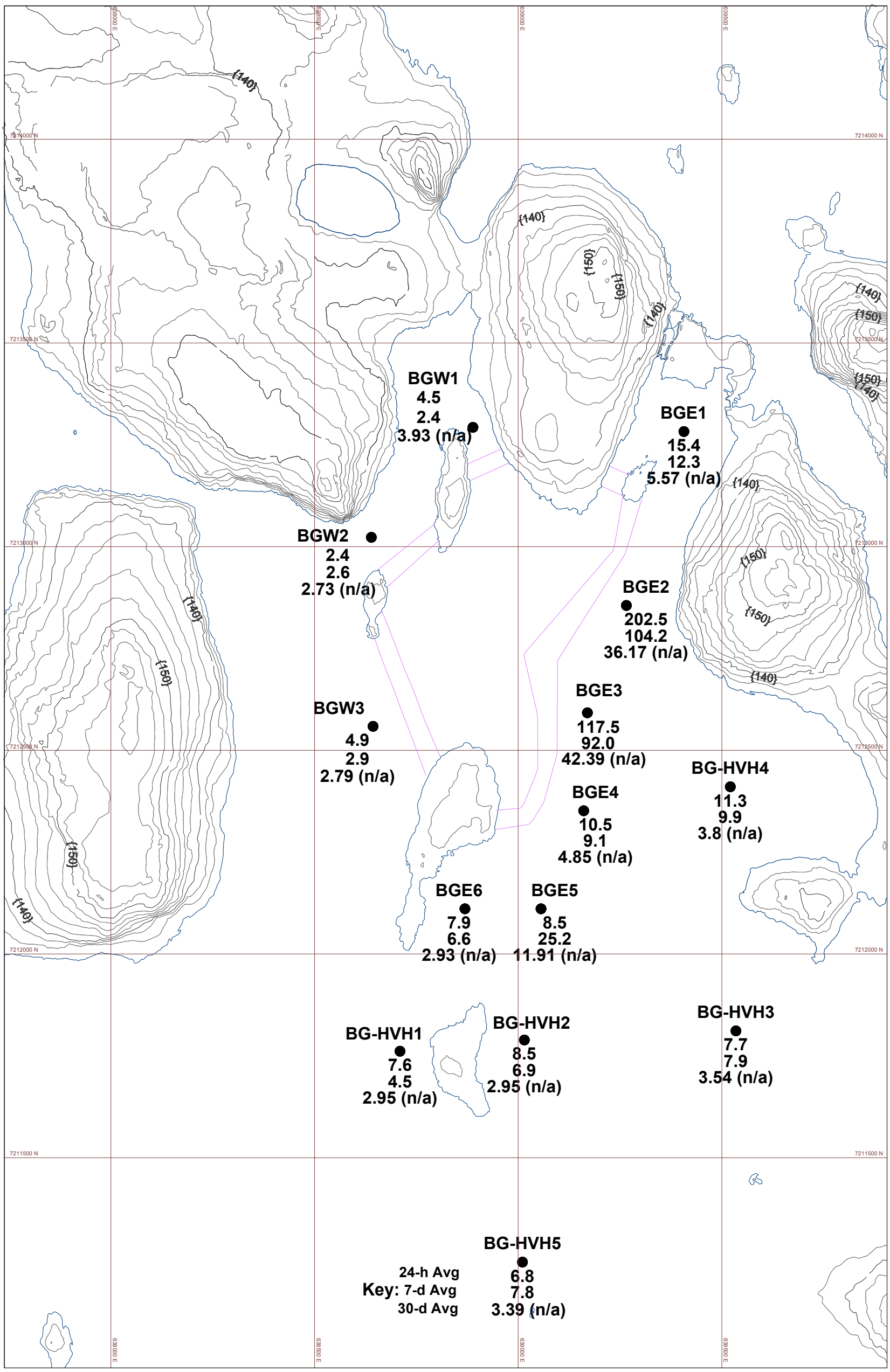

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 23, 2009 20:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Bay Goose Dike 1 (Large)

Bay Goose Dike 5 (Large)

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m
23-Aug-09	A	40048A	BGW-1	11:11	8.9	8.9	8.6	7.3									
23-Aug-09	A	40048A	BGW-2	11:16	5.3	4.1	4.9	4.6	4.1	5.3	4.3						
23-Aug-09	A	40048A	BGW-3	11:20	5.9	4.5	5.9	5.2	5.1								
23-Aug-09	A	40048A	BGE-6	11:40	27.1	22.9	26.4	27.1									
23-Aug-09	A	40048A	BGE-5	11:47	26.3	23.1	24.3	24.2	26.3	22.6	24.8	24.6	22.8	20.3	20.4	19.7	22.5
23-Aug-09	A	40048A	BGE-4	12:03	38.4	22.5	22.4	20.8	21.4	18.5	20.6	21.9	31.5	38.4			
23-Aug-09	A	40048A	BGE-3	12:19	504.0	34.6	42.6	40.3	40.2	42.8	48.9	52.4	146.0	226.0	285.0	460.0	504.0
23-Aug-09	A	40048A	BGE-2	12:39	787.0	44.9	50.2	49.9	46.0	52.1	51.0	130.0	787.0				
23-Aug-09	A	40048A	BGE-1	12:46	49.5	43.4	48.9	49.5	45.1								
23-Aug-09	A	40048A	BG-HVH-1	11:26	24.7	21.8	24.7										
23-Aug-09	A	40048A	BG-HVH-2	11:35	26.5	20.5	26.5	22.6	22.7								
23-Aug-09	A	40048A	BG-HVH-3	12:52	21.2	19.7	19.6	19.5	19.6	19.9	19.9	19.6	21.2				
23-Aug-09	A	40048A	BG-HVH-4	12:49	41.1	30.0	33.8	36.2	41.1								
23-Aug-09	A	40048A	BG-HVH-5	11:29	19.6	17.0	19.6	17.8	17.8	15.3	13.7						

24m	Notes	Mean

From: Stéphane Robert
Sent: Tuesday, August 25, 2009 6:33 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 24
Attachments: Bay-Goose TSS Figure 24 August 2009.pdf; Turbidity Data Input Aug 24 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations yesterday. Winds were calm yesterday. Key results as follows:

- **BGW stations** – TSS remains low in this area; no significant changes since yesterday.
- **BGE stations** – The overall results for these stations are generally similar to the previous several days. Essentially, turbid water is sitting in several depressions. TSS concentrations are much higher at depth than in the upper water column at BGE-2, BGE-3, and today at BGE-5. The northern depression had concentrations of approximately 100 mg/L at depth (20 to 22 m), with a moderate vertical gradient (jumps from 10 mg/L at 10 m to 25 mg/L at 14 m to 40 mg/L at 16 m to 100 mg/L at 20 m). This seems to "pond" in the depression, with similar results at several locations within the >20 m zone. The TSS seen at BGE-2 likely flows downgradient into the BGE-3 pocket. The vertical gradient at BGE-2 is very strong, with TSS jumping from 15 mg/L at 13 m to 150 mg/L at 14 m (i.e., approximately 1.5 m off the bottom where we sampled).
- **HVH stations** – Little change from yesterday;

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 21.26 m/L (2.7 to 173.8 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 9.89 mg/L (2.7 to 46.3 mg/L) - Limit is 15 mg/L. Two stations exceed the monthly mean BGE-2 and BG-3 (44 and 46.3 mg/l vs 15 mg/l).

The installation of the turbidity curtain was complete yesterday.

If you have any questions do not hesitate to contact me.

AGNICO-EAGLE

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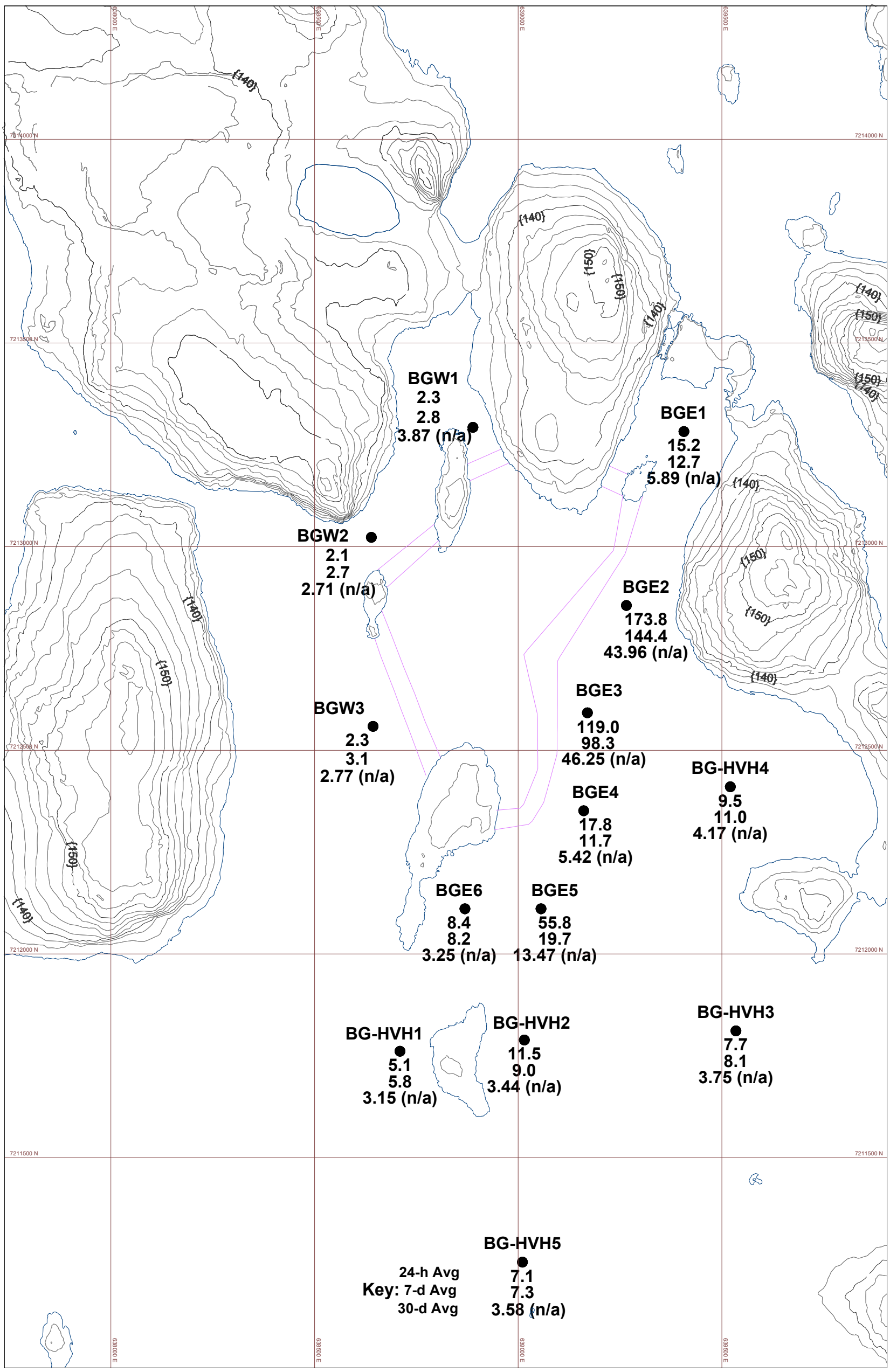
Cel: 819-763-0229
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 24, 2009 22:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m	Notes
24-Aug-09	A	40049A	BGW-1	12:03	5.0	4.0	5.0	5.0											
24-Aug-09	A	40049A	BGW-2	11:59	5.4	3.5	3.5	4.2	4.2	4.3	5.4								
24-Aug-09	A	40049A	BGW-3	11:55	4.7	4.3	4.7	4.5	4.5										
24-Aug-09	A	40049A	BGE-6	10:33	25.2	22.5	23.7	25.2											
24-Aug-09	A	40049A	BGE-5	10:31	225.0	19.9	20.6	21.3	21.0	19.2	19.0	22.4	29.7	60.3	75.0	210.0	225.0		15m=57.3 NTU; 17m=60.4 NTU; 19m=145 NTU
24-Aug-09	A	40049A	BGE-4	10:00	52.0	21.5	22.7	21.1	20.1	21.1	23.0	25.1	38.8	52.0					15m=33.4 NTU
24-Aug-09	A	40049A	BGE-3	9:29	585.0	24.4	21.3	30.7	29.9	29.6	31.2	35.4	116.0	160.0	336.0	555.0	585.0		13m=37.9 NTU; 15m=130; 17m=220; 19m=460; 21m=58
24-Aug-09	A	40049A	BGE-2	8:35	1030.0	38.1	40.1	34.0	33.5	29.0	29.5	32.0	1030.0						13m=38.9 NTU; 15m=1300
24-Aug-09	A	40049A	BGE-1	8:30	48.7	39.9	48.7	45.8	46.2	47.5									
24-Aug-09	A	40049A	BG-HVH-1	11:34	15.1	12.5	15.1												
24-Aug-09	A	40049A	BG-HVH-2	10:37	44.6	44.6	25.4	23.7	24.2										
24-Aug-09	A	40049A	BG-HVH-3	10:55	21.8	20.1	19.1	18.6	19.6	21.1	21.8	20.3	21.0						15m=22.3 NTU
24-Aug-09	A	40049A	BG-HVH-4	10:15	29.9	21.5	22.7	26.6	29.9										
24-Aug-09	A	40049A	BG-HVH-5	11:05	18.6	18.0	18.1	18.6	18.4	13.5	11.8								
24-Aug-09	B	40049B	BGW-1	19:49	5.2	4.1	4.8	5.2											
24-Aug-09	B	40049B	BGW-2	19:54	4.0	3.5	3.7	3.8	4.0	4.0	3.9								
24-Aug-09	B	40049B	BGW-3	20:00	5.3	4.0	5.3	3.8	4.0										
24-Aug-09	B	40049B	BGE-6	20:12	23.3	20.0	22.3	23.3											
24-Aug-09	B	40049B	BGE-5	20:16	243.0	22.8	20.2	21.0	19.3	19.6	20.5	18.6	40.0	96.0	134.0	179.0	243.0		
24-Aug-09	B	40049B	BGE-4	20:28	67.0	22.8	19.5	18.6	20.3	29.5	33.2	24.8	51.5	67.0					
24-Aug-09	B	40049B	BGE-3	20:33	577.0	27.0	30.6	29.5	31.4	31.4	34.1	56.1	98.5	163.0	309.0	539.0	577.0		21 meters was 585 NTU
24-Aug-09	B	40049B	BGE-2	20:40	800.0	29.5	33.6	36.0	35.1	40.1	40.6	38.3	800.0						13 meters was 46 NTU
24-Aug-09	B	40049B	BGE-1																
24-Aug-09	B	40049B	BG-HVH-1	20:04	11.5	11.5	8.3												
24-Aug-09	B	40049B	BG-HVH-2	20:09	26.0	21.4	24.0	26.0	22.2										
24-Aug-09	B	40049B	BG-HVH-3	20:56	21.6	21.6	21.4	17.6	15.1	16.3	18.1	18.4	18.9						
24-Aug-09	B	40049B	BG-HVH-4	20:52	25.8	25.8	21.7	20.2	20.5										
24-Aug-09	B	40049B	BG-HVH-5	21:03	20.7	20.5	20.7	15.4	15.2	14.5	14.7								

30

From: Stéphane Robert
Sent: Thursday, August 27, 2009 7:31 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 25
Attachments: Bay-Goose TSS Figure 25 August 2009.pdf; Bay-Goose Broad Map 24 August 2009.pdf; Turbidity Data Input Aug 25 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations August 25. Winds were calm. Key results as follows:

- **BGW stations** – TSS remains low in this area; no significant changes.
- **BGE stations** – The overall results for these stations are generally similar to the previous several days, with elevated TSS in the depression areas (BGE-2, BGE-3 and BGE-5 target these areas).
- **HVH stations** – TSS concentrations are still below triggers (6 to 12 mg/L 24-hr average at all stations).
- **Broad Survey of TPE** – A broad survey was completed August 24 in the eastern basin of Third Portage Lake (and one station in the southeastern portion of the north basin, TPN).

The new turbidity barrier south of the two outlets to Second Portage Lake is shown on the updated monitoring map for Bay-Goose Stations.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 42.6 m/L (2.2 to 277 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 10.9 mg/L (2.7 to 51.4 mg/L) - Limit is 15 mg/L. Two stations exceed the monthly mean BGE-2, BGE-3 (51.4 and 50 mg/l vs 15 mg/l).

If you have any questions do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
Environment superintendent
Agnico-Eagle
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Phone: 819-759-3700 ext. 814
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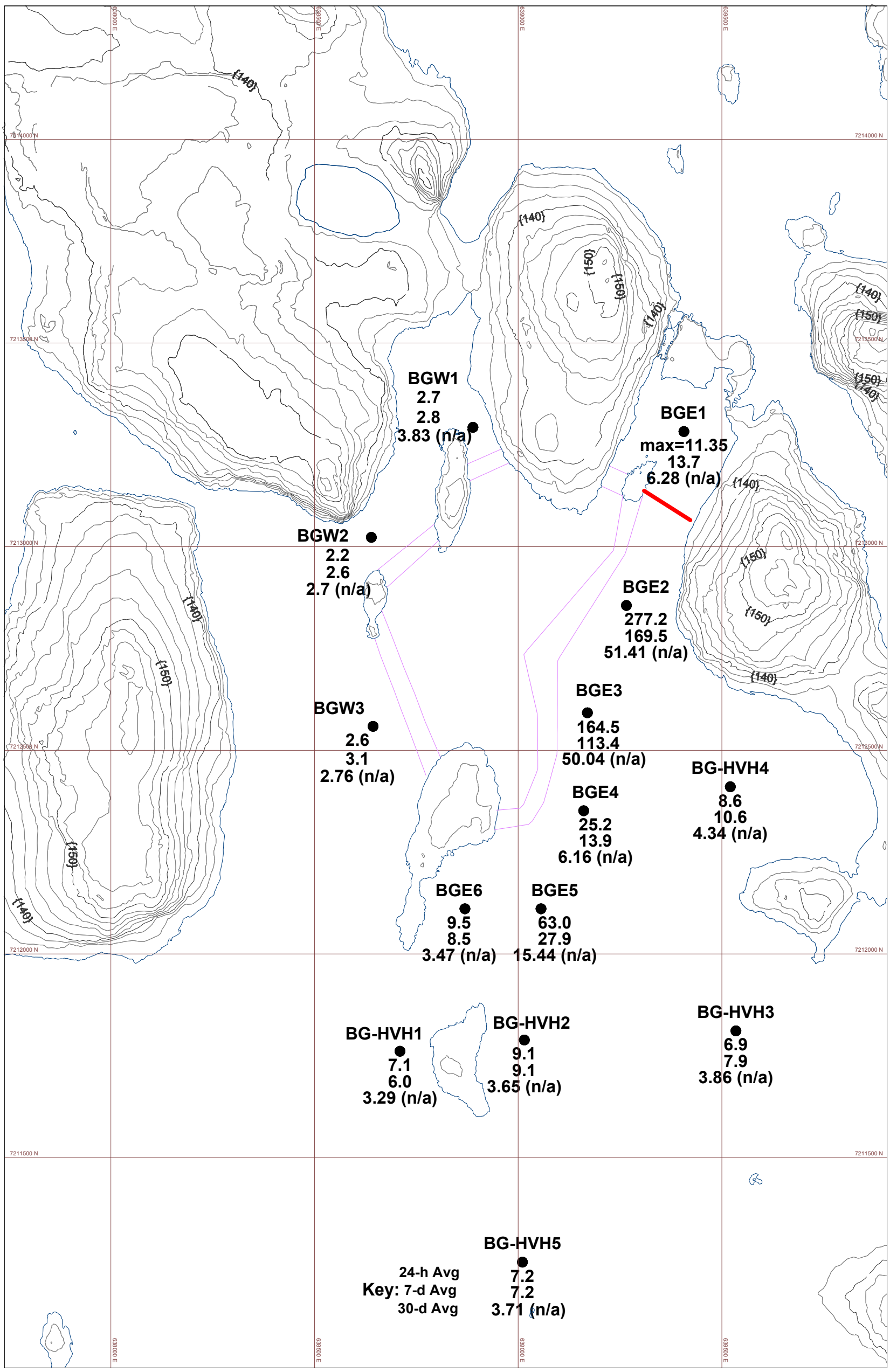
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

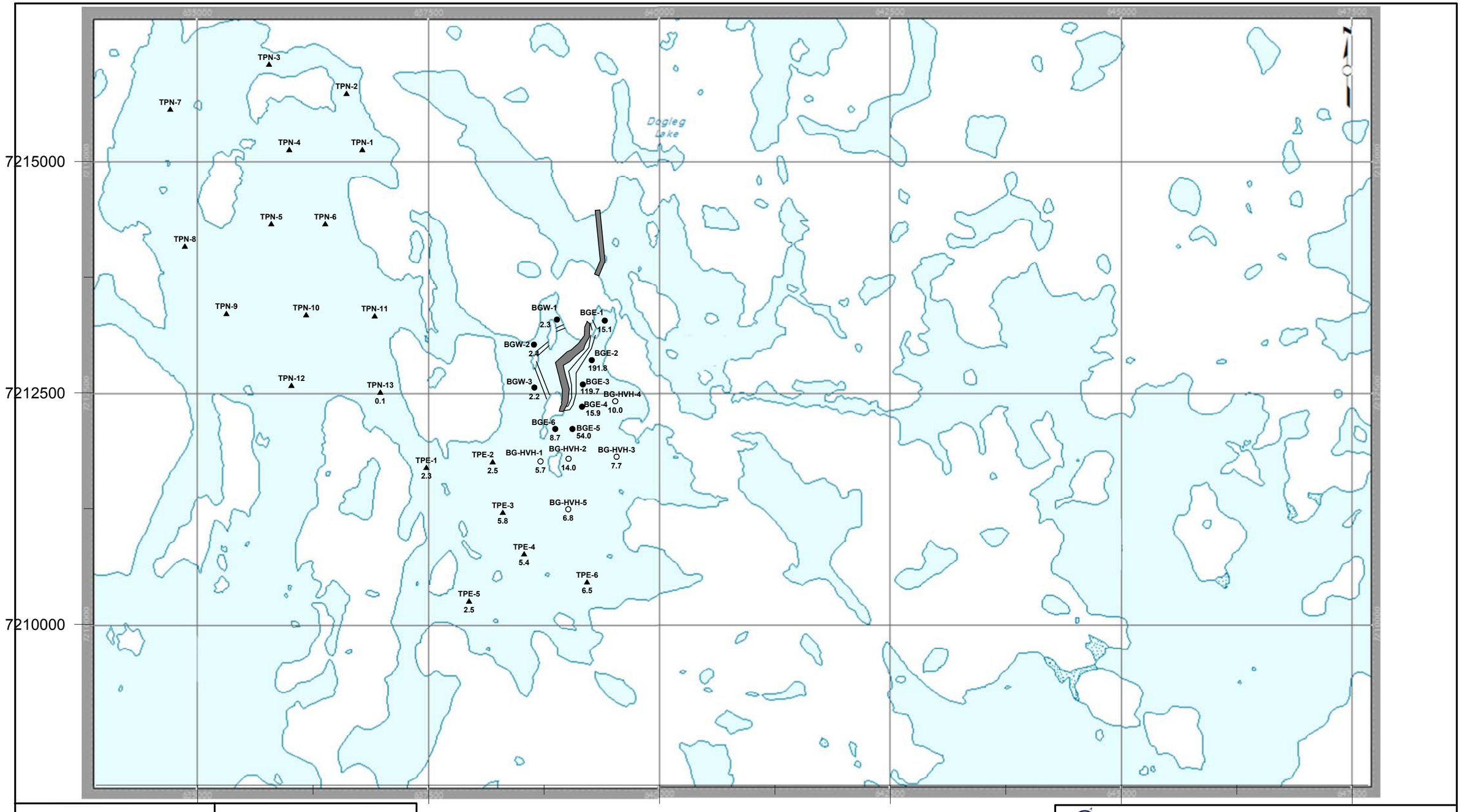
Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 25, 2009 23:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

AZIMUTH **Azimuth Consulting Group Inc.**

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR August 24, 2009.

BAY-GOOSE BROAD MAP.GRF

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m	Notes
25-Aug-09	A	40050A	BGW-1	8:01	5.2	5.2	4.9	5.0											
25-Aug-09	A	40050A	BGW-2	8:08	4.8	3.8	4.0	4.2	4.4	4.2	4.8								
25-Aug-09	A	40050A	BGW-3	8:13	5.8	4.8	4.8	4.9	5.8										
25-Aug-09	A	40050A	BGE-6	8:22	21.6	21.6	21.2	20.5											
25-Aug-09	A	40050A	BGE-5	8:25	239.0	22.2	24.5	23.8	22.6	23.8	24.0	41.3	62.2	75.3	170.1	235.0	239.0		17 meters was 123.4 NTU
25-Aug-09	A	40050A	BGE-4	8:31	79.8	25.7	25.9	25.6	24.8	22.5	22.6	16.8	32.4	79.8					
25-Aug-09	A	40050A	BGE-3	8:36	580.0	30.1	28.1	29.4	29.2	29.8	32.1	37.7	87.1	161.3	325.0	580.0	569.0		
25-Aug-09	A	40050A	BGE-2	8:41	917.0	31.7	31.2	30.5	29.5	28.9	28.3	29.1	917.0						13 meters was 41.2 NTU
25-Aug-09	A	40050A	BGE-1																
25-Aug-09	A	40050A	BG-HVH-1	8:17	22.5	18.9	22.5												
25-Aug-09	A	40050A	BG-HVH-2	8:20	23.3	22.2	21.6	22.2	23.3										
25-Aug-09	A	40050A	BG-HVH-3	10:30	18.3	18.3	16.3	17.2	13.9	13.2	12.1	12.0	11.9	11.6					
25-Aug-09	A	40050A	BG-HVH-4	10:27	26.0	24.7	25.3	26.0	25.7										
25-Aug-09	A	40050A	BG-HVH-5	10:34	20.4	20.4	15.6	15.3	14.9	13.4	12.4								
25-Aug-09	B	40050B	BGW-1	19:32	8.8	8.8	7.1	7.2											
25-Aug-09	B	40050B	BGW-2	19:35	6.2	4.9	4.4	4.5	4.8	5.0	6.2								
25-Aug-09	B	40050B	BGW-3	19:41	6.7	6.1	5.6	5.7	6.7										
25-Aug-09	B	40050B	BGE-6	21:01	34.3	24.3	23.3	34.3											
25-Aug-09	B	40050B	BGE-5	20:57	302.0	23.1	23.5	25.4	24.5	24.2	24.2	24.9	34.1	124.3	201.0	280.0	302.0		
25-Aug-09	B	40050B	BGE-4	20:55	100.4	25.4	26.3	23.0	23.8	23.8	24.8	24.3	25.5	100.4					
25-Aug-09	B	40050B	BGE-3	20:50	1133.0	20.9	20.9	21.5	22.3	23.4	27.7	70.3	107.3	214.0	662.0	778.0	1133.0		
25-Aug-09	B	40050B	BGE-2	20:42	2288.0	46.3	34.5	32.7	52.3	59.4	63.3	103.6	2288.0						
25-Aug-09	B	40050B	BGE-1	18:52	34.6	25.8	30.2	34.6	34.3										
25-Aug-09	B	40050B	BG-HVH-1	19:47	22.3	21.8	21.1	22.3											
25-Aug-09	B	40050B	BG-HVH-2	21:03	29.8	21.9	22.3	21.9	29.8										
25-Aug-09	B	40050B	BG-HVH-3	20:19	16.7	16.7	16.2	16.4	13.8	14.2	13.8	13.4	13.4	13.8					
25-Aug-09	B	40050B	BG-HVH-4	20:27	20.1	17.8	19.8	20.1	17.6										
25-Aug-09	B	40050B	BG-HVH-5	19:57	18.3	17.7	17.8	18.3	17.9	14.1	15.3								

From: Stéphane Robert
Sent: Friday, August 28, 2009 5:41 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 26
Attachments: Bay-Goose Broad Map 26 August 2009.pdf; Bay-Goose TSS Figure 26 August 2009.pdf; Turbidity Data Input Aug 26 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations August 26; additional broad survey work was conducted on Second Portage Lake and Tehek Lake. Winds were calm. Key results as follows:

- **BGW stations** – TSS remains low in this area; no significant changes.
- **BGE stations** – The overall results for these stations are generally similar to the previous several days, with elevated TSS in the depression areas (BGE-2, BGE-3 and BGE-5 target these areas). Plume survey results from the past few days show that the higher TSS areas are mostly within the 16-m contour (we add the 16-m contour in the figure).
- **HVH stations** – BGHVH-3 increased to about 40 mg/L in the last 24 hours due to its location within the 16-m contour. The other stations remain relatively unchanged, with TSS concentrations below triggers (i.e., 6 to 12 mg/L 24-hr average).
- **Broad Survey** – Surveys of Second Portage and Tehek lakes were conducted August 26, adding to that conducted two days ago in Third Portage (except for the routine stations, which are from August 25 data). The channel area in Second Portage Lake, which directly receives water from the east basin of Third Portage Lake, contained TSS concentrations up to 4.2 mg/L. Concentrations were lower elsewhere and <1 mg/L by the outlet to Tehek Lake, which itself had all readings <1 mg/L TSS.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 44.4 m/L (2.6 to 259.5 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 12.7 mg/L (2.7 to 58.8 mg/L) - Limit is 15 mg/L. Three stations exceed the monthly mean BGE-2, BGE-3 and BGE-5 (58.8, 54 and 17.6 mg/l vs 15 mg/l).

If you have any questions do not hesitate to contact me.

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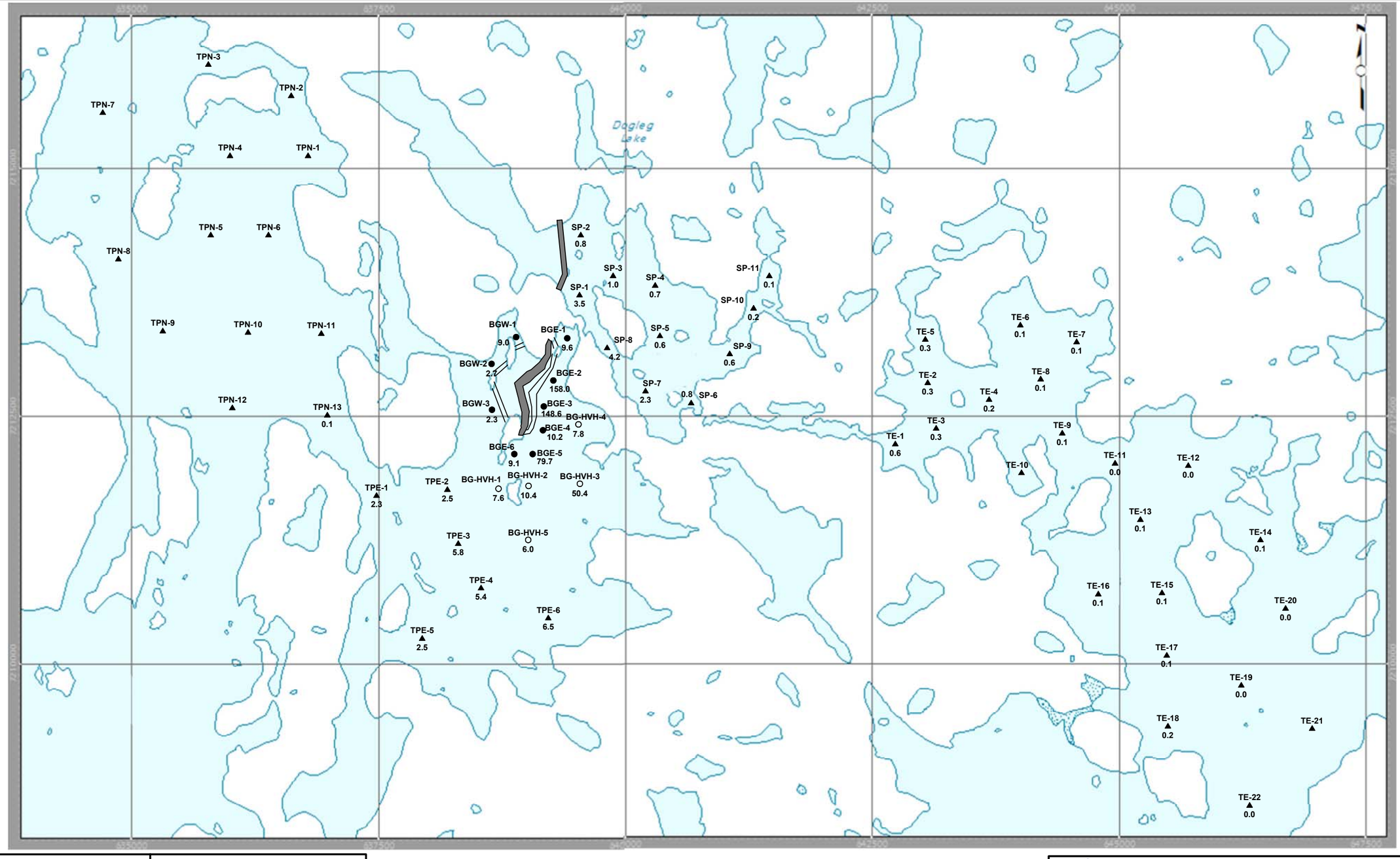


Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

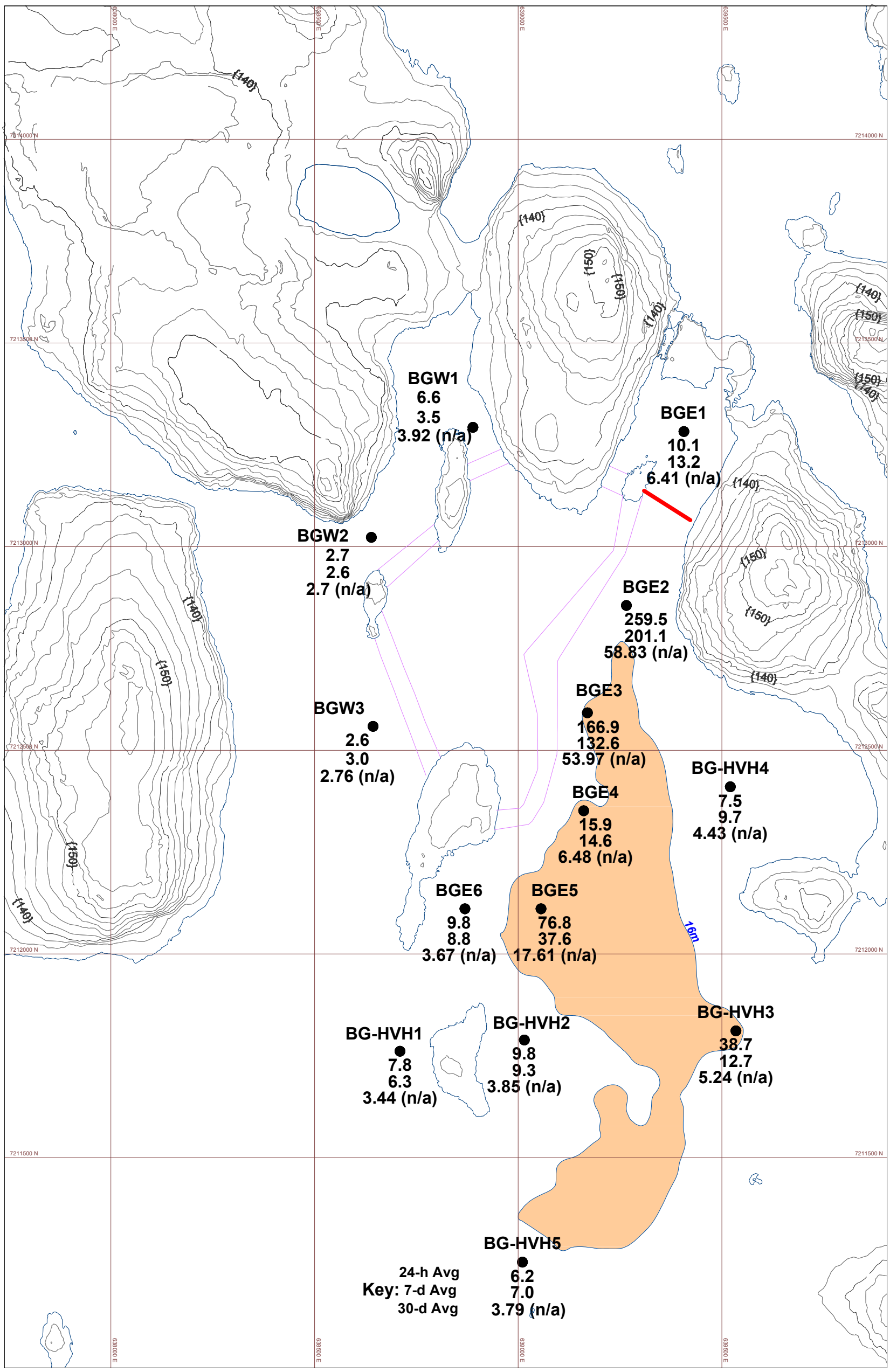
Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR August 24 - 26, 2009.

BAY-GOOSE BROAD MAP.GRF



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 26, 2009 0:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
26-Aug-09	A	40051A	BGW-1	9:07	26.2	26.2	18.2	15.8										
26-Aug-09	A	40051A	BGW-2	9:10	6.1	5.1	5.1	5.0	5.1	6.1	5.1							
26-Aug-09	A	40051A	BGW-3	9:14	5.1	5.0	5.1	5.1	5.1									
26-Aug-09	A	40051A	BGE-6	10:02	26.7	26.1	26.7	25.8										
26-Aug-09	A	40051A	BGE-5	9:59	359.0	22.5	22.3	20.4	21.3	20.3	26.3	47.2	60.1	79.1	186.5	350.0	359.0	
26-Aug-09	A	40051A	BGE-4	9:56	30.4	22.2	21.1	23.4	24.6	25.5	28.2	29.8	30.4	29.7				
26-Aug-09	A	40051A	BGE-3	9:51	758.0	22.7	24.0	24.1	25.2	27.6	29.8	31.5	37.5	126.3	462.0	703.0	758.0	
26-Aug-09	A	40051A	BGE-2	9:48	816.0	22.3	21.9	22.1	22.9	24.7	21.7	22.8	816.0					
26-Aug-09	A	40051A	BGE-1	10:35	28.4	28.4	26.2	25.6	26.4									
26-Aug-09	A	40051A	BG-HVH-1	9:19	21.5	21.5	19.0	14.1										
26-Aug-09	A	40051A	BG-HVH-2	10:05	31.3	22.8	24.4	22.5	31.3									
26-Aug-09	A	40051A	BG-HVH-3	9:34	207.0	20.3	16.5	17.8	17.6	16.9	16.9	21.2	37.3	207.0				
26-Aug-09	A	40051A	BG-HVH-4	9:41	22.0	20.1	20.4	21.8	22.0									
26-Aug-09	A	40051A	BG-HVH-5	9:22	16.2	14.4	14.1	15.5	16.2	15.7	16.1							
26-Aug-09	B	40051B	BGW-1	17:17	12.1	12.1	10.9	11.4										
26-Aug-09	B	40051B	BGW-2	17:21	6.1	6.1	5.4	5.1	5.5	5.7	5.3							
26-Aug-09	B	40051B	BGW-3	17:30	6.5	5.5	5.8	6.4	6.5									
26-Aug-09	B	40051B	BGE-6	18:05	25.9	22.2	22.3	25.9										
26-Aug-09	B	40051B	BGE-5	18:01	370.0	19.8	20.0	21.2	17.6	20.2	25.9	28.5	30.7	66.7	261.0	302.0	370.0	
26-Aug-09	B	40051B	BGE-4	17:58	30.5	21.6	20.5	16.1	17.2	16.9	23.7	28.4	30.5	27.3				
26-Aug-09	B	40051B	BGE-3	17:54	746.0	23.4	20.7	20.4	24.4	25.2	25.8	28.0	36.0	77.4	545.0	746.0	715.0	
26-Aug-09	B	40051B	BGE-2	17:50	1914.0	23.9	24.7	24.7	23.0	27.4	27.1	29.1	1914.0					
26-Aug-09	B	40051B	BGE-1	16:56	26.0	26.0	25.8	25.2	24.5									
26-Aug-09	B	40051B	BG-HVH-1	17:34	22.5	22.5	20.4	20.1	17.5									
26-Aug-09	B	40051B	BG-HVH-2	18:07	21.7	21.1	18.7	21.7	19.9									
26-Aug-09	B	40051B	BG-HVH-3	17:43	221.0	16.8	16.5	15.7	16.6	15.3	15.8	16.6	41.1	221.0				
26-Aug-09	B	40051B	BG-HVH-4	17:48	19.6	19.6	18.8	17.4										
26-Aug-09	B	40051B	BG-HVH-5	17:38	16.1	15.5	16.1	14.5	15.0	14.7	15.4							

From: Stéphane Robert
Sent: Friday, August 28, 2009 4:38 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 27
Attachments: Bay-Goose TSS Figure 27 August 2009.pdf; Turbidity Data Input Aug 27 2009.pdf; 2009-08-28 Bay Goose v1.pdf

Hi

Two rounds of sampling were conducted at the routine stations August 27. Winds were calm. Key results as follows:

- **BGW stations** – TSS increased at all BGW stations, with BGW-1 having a 24-hr average of 31.8 mg/L. We repaired the turbidity barrier in this area yesterday. We will watch this area closely.
- **BGE stations** – The overall results for these stations are generally similar to the previous several days, with elevated TSS in the depression areas (BGE-2, BGE-3 and BGE-5 target these areas). Since the installation of the turbidity curtain south of BGE-1, the TSS continues to decrease (15.4 to 9.3 mg/l).
- **HVH stations** – In addition to BGH-3, which began to rise August 26, BGH-5, located just outside the 16-m contour zone in the south, started to rise yesterday.

We reach the Goose Island with a section of the rock platform (see pictures in the file 2009-08-28 Bay Goose v1.pdf)

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 39.1 m/L (5.3 to 142.4 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 13.9 mg/L (3 to 69.4 mg/L) - Limit is 15 mg/L. Three stations exceed the monthly mean BGE-2, BGE-3 and BGE-5 (69.4, 62.3 and 21.2 mg/l vs 15 mg/l).

If you have any questions do not hesitate to contact me.

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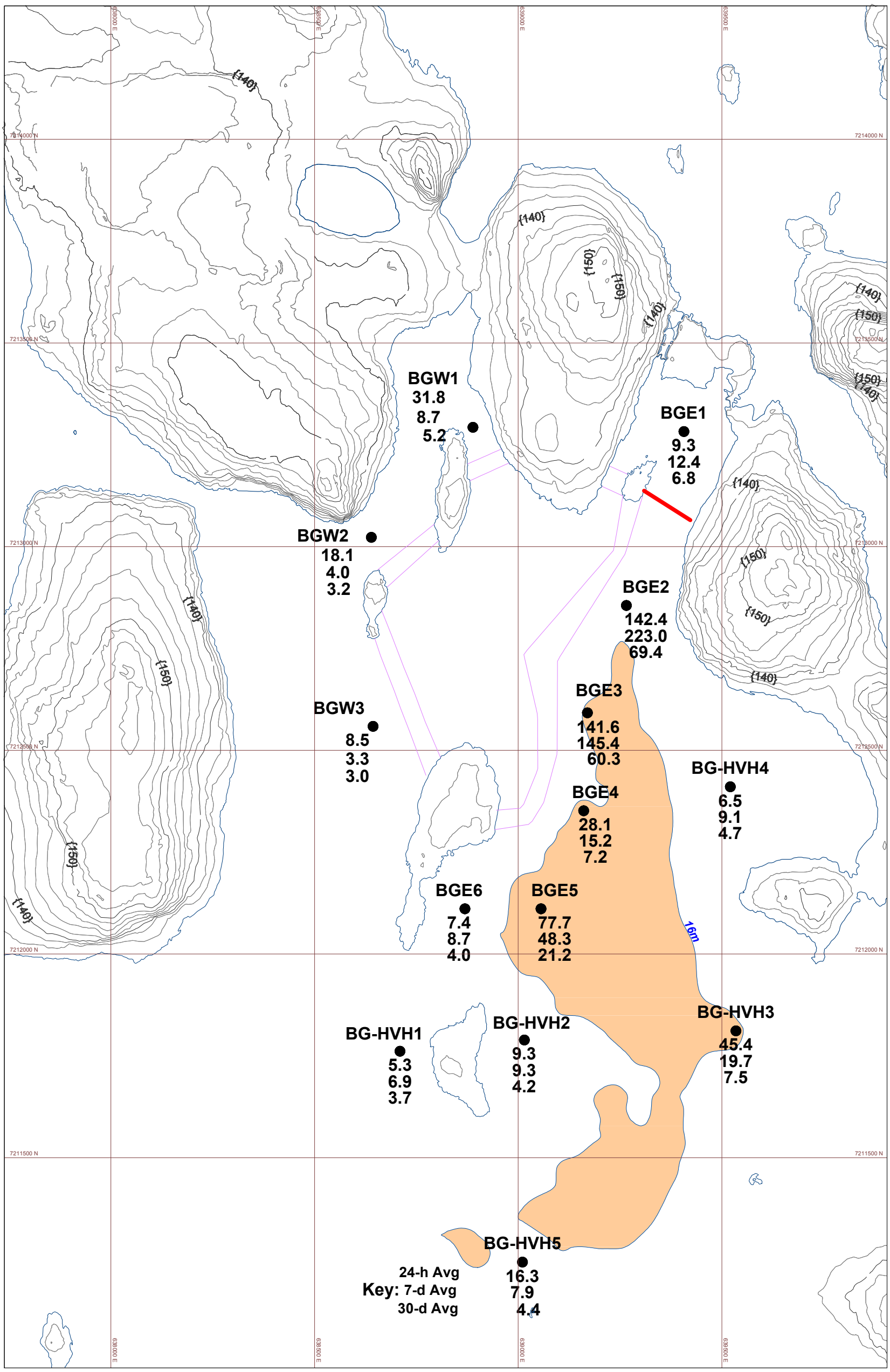
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 27, 2009 1:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
27-Aug-09	A	40052A	BGW-1	8:47	178.7	20.1	16.6	178.7										
27-Aug-09	A	40052A	BGW-2	12:30	35.8	5.3	5.6	6.6	7.3	15.8	35.8							
27-Aug-09	A	40052A	BGW-3	10:20	6.0	5.2	5.2	5.3	6.0									
27-Aug-09	A	40052A	BGE-6	12:18	21.1	20.0	21.1	19.7										
27-Aug-09	A	40052A	BGE-5	12:15	373.0	19.4	18.9	19.9	19.2	21.3	22.6	24.4	26.3	29.3	275.0	320.0	373.0	
27-Aug-09	A	40052A	BGE-4	12:06	27.2	19.4	18.8	20.8	18.8	20.3	21.1	23.0	27.2					
27-Aug-09	A	40052A	BGE-3	12:02	711.0	18.4	18.8	18.9	18.6	18.5	18.9	20.1	21.7	39.0	295.0	597.0	711.0	
27-Aug-09	A	40052A	BGE-2	11:33	1258.0	19.7	20.0	20.7	21.6	20.0	19.2	19.6	1258.0					
27-Aug-09	A	40052A	BGE-1	15:04	27.2	20.3	26.3	27.2	25.4									
27-Aug-09	A	40052A	BG-HVH-1	10:27	12.9	12.9	10.3	8.9										
27-Aug-09	A	40052A	BG-HVH-2	12:21	22.2	18.6	20.4	21.7	22.2									
27-Aug-09	A	40052A	BG-HVH-3	11:09	182.0	16.9	15.9	17.3	17.1	16.5	20.4	19.5	76.3	182.0				
27-Aug-09	A	40052A	BG-HVH-4	11:21	18.6	15.9	18.6	17.9	17.6									
27-Aug-09	A	40052A	BG-HVH-5	10:33	53.1	12.2	13.9	16.7	17.0	11.5	30.3	53.1						
27-Aug-09	B	40052B	BGW-1	19:18	59.8	17.1	20.4	59.8										
27-Aug-09	B	40052B	BGW-2	19:16	85.5	5.2	5.5	5.7	7.1	15.5	85.5							
27-Aug-09	B	40052B	BGW-3	19:11	42.6	9.7	4.6	5.1	42.6									
27-Aug-09	B	40052B	BGE-6	19:02	20.5	14.8	20.5	20.1										
27-Aug-09	B	40052B	BGE-5	18:59	323.0	18.2	18.1	18.9	17.7	20.1	21.5	23.1	24.6	31.3	265.0	312.0	323.0	
27-Aug-09	B	40052B	BGE-4	18:56	177.9	18.5	19.5	17.3	17.4	17.5	17.8	18.6	24.5	177.9				
27-Aug-09	B	40052B	BGE-3	18:52	720.0	17.0	19.6	18.5	17.8	18.8	19.5	18.8	20.8	77.1	415.0	632.0	720.0	
27-Aug-09	B	40052B	BGE-2	18:47	183.4	16.4	16.3	17.2	17.8	18.7	21.9	21.3	183.4					
27-Aug-09	B	40052B	BGE-1	17:57	27.5	24.8	27.5	23.7	24.4									
27-Aug-09	B	40052B	BG-HVH-1	19:07	14.7	14.7	12.5	11.4										
27-Aug-09	B	40052B	BG-HVH-2	19:04	32.2	13.5	15.1	20.1	32.2									
27-Aug-09	B	40052B	BG-HVH-3	18:41	183.0	14.0	15.4	16.3	15.3	15.2	15.3	19.8	118.4	183.0				
27-Aug-09	B	40052B	BG-HVH-4	18:45	16.6	15.8	16.5	16.3	16.6									
27-Aug-09	B	40052B	BG-HVH-5	18:36	53.8	11.5	12.0	14.2	13.6	23.7	28.5	53.8						

From: Stéphane Robert
Sent: Sunday, August 30, 2009 5:52 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 28
Attachments: Bay-Goose TSS Figure 28 August 2009.pdf; Turbidity Data Input Aug 28 2009.pdf; Bay Goose August 29 2009.JPG

Hi

Two rounds of sampling were conducted at the routine stations August 28; Winds were calm again. Key results as follows:

- **BGW stations** – The TSS rise observed yesterday continued at BGW-2 and BGW-3; BGW-1 actually decreased.
- **BGE stations** – Little substantive change since yesterday; elevated TSS in the depression areas (BGE-2, BGE-3 and BGE-5 target these areas).
- **HVH stations** – BGHVH-5 was lower, after rising yesterday. Conditions are stable or decreasing slightly at BGHVH-1, BGHVH-2 and BGHVH-4.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 39.1 m/L (5.3 to 142.4 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 13.9 mg/L (3 to 69.4 mg/L) - Limit is 15 mg/L. Three stations exceed the monthly mean BGE-2, BGE-3 and BGE-5 (69.4, 62.3 and 21.2 mg/l vs 15 mg/l).

It is important to note that the most turbid water is currently restricted to the lower water column between 12 to 22 m.

If you have any questions do not hesitate to contact me.

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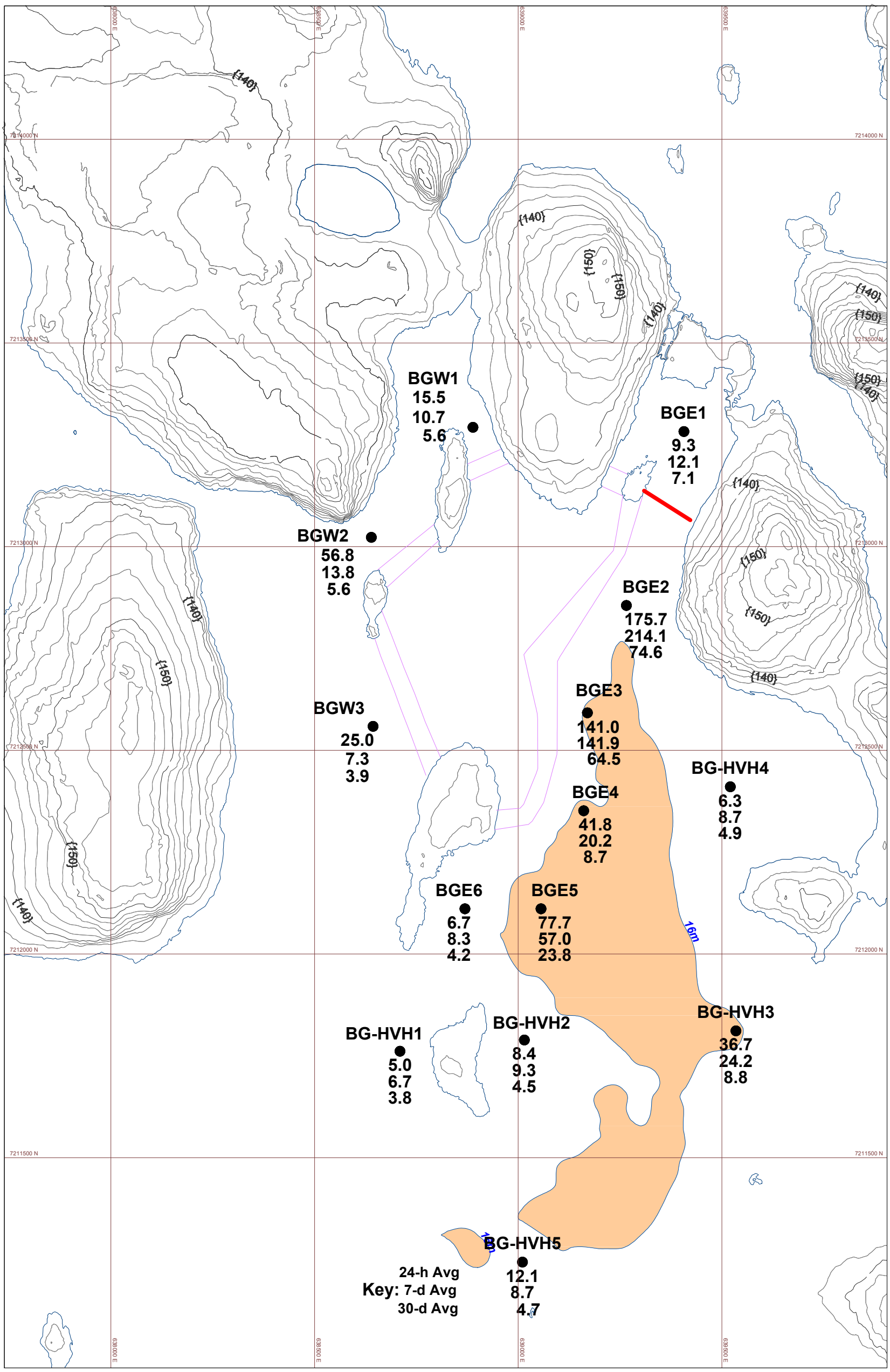
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 28, 2009 22:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
28-Aug-09	A	40053A	BGW-1	8:03	58.6	11.7	16.6	58.6										
28-Aug-09	A	40053A	BGW-2	8:13	278.0	6.2	5.9	7.4	8.4	45.3	278.0							
28-Aug-09	A	40053A	BGW-3	8:19	102.5	10.4	10.0	5.8	102.5									
28-Aug-09	A	40053A	BGE-6	10:31	15.6	15.6	13.6	15.3										
28-Aug-09	A	40053A	BGE-5	10:27	362.0	14.5	13.3	15.1	18.9	17.3	20.3	22.7	88.9	244.0	303.0	333.0	362.0	
28-Aug-09	A	40053A	BGE-4	9:17	159.0	15.8	15.9	17.9	19.5	19.2	22.4	23.1	99.6	159.0				
28-Aug-09	A	40053A	BGE-3	10:22	724.0	14.8	14.5	18.0	17.8	17.3	18.2	19.0	130.6	231.0	503.0	608.0	724.0	
28-Aug-09	A	40053A	BGE-2	9:27	1240.0	16.4	16.4	17.5	19.4	18.3	19.3	23.2	1240.0					
28-Aug-09	A	40053A	BGE-1	11:11	28.0	20.9	22.4	24.8	28.0									
28-Aug-09	A	40053A	BG-HVH-1	8:28	12.7	12.7	11.9											
28-Aug-09	A	40053A	BG-HVH-2	10:34	21.3	13.9	12.9	19.9	21.3									
28-Aug-09	A	40053A	BG-HVH-3	8:57	72.1	13.2	14.2	15.8	16.8	19.6	18.9	24.2	54.1	72.1				
28-Aug-09	A	40053A	BG-HVH-4	9:10	17.7	14.9	14.9	16.8	17.7									
28-Aug-09	A	40053A	BG-HVH-5	8:31	33.1	11.2	10.8	12.1	15.3	20.2	33.1							
28-Aug-09	B	40053B	BGW-1	17:06	17.3	7.8	14.3	17.3										
28-Aug-09	B	40053B	BGW-2	17:15	364.0	8.1	6.3	7.2	10.2	61.5	364.0							
28-Aug-09	B	40053B	BGW-3	17:23	124.5	10.7	6.5	9.2	124.5									
28-Aug-09	B	40053B	BGE-6	18:01	21.6	14.7	12.8	21.6										
28-Aug-09	B	40053B	BGE-5	17:57	359.0	13.1	12.3	14.6	17.2	18.5	18.2	25.3	43.1	181.4	265.0	319.0	359.0	
28-Aug-09	B	40053B	BGE-4	17:53	162.0	14.8	13.8	19.4	19.8	21.3	19.4	21.6	120.7	162.0				
28-Aug-09	B	40053B	BGE-3	17:44	658.0	16.2	15.8	17.2	17.9	18.9	21.1	22.5	151.0	242.0	478.0	598.0	658.0	
28-Aug-09	B	40053B	BGE-2	17:40	1384.0	15.2	14.9	17.4	18.6	17.4	18.5	58.3	1384.0					
28-Aug-09	B	40053B	BGE-1	16:46	24.3	17.7	23.6	24.3	22.9									
28-Aug-09	B	40053B	BG-HVH-1	17:28	10.9	10.5	10.9											
28-Aug-09	B	40053B	BG-HVH-2	18:03	17.0	15.2	13.5	16.6	17.0									
28-Aug-09	B	40053B	BG-HVH-3	17:34	257.0	13.0	13.6	14.6	15.3	16.2	23.7	43.3	57.4	257.0				
28-Aug-09	B	40053B	BG-HVH-4	17:38	16.9	14.7	14.5	16.5	16.9									
28-Aug-09	B	40053B	BG-HVH-5	17:30	22.5	10.5	10.9	15.4	16.9	17.9	22.1	22.5						

Bay Goose August 29 2009

From: Stéphane Robert
Sent: Monday, August 31, 2009 5:31 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 30
Attachments: Bay-Goose TSS Figure 30 August 2009.pdf; Bay-Goose Plume Survey 30 August 2009.pdf; Turbidity Data Input Aug 30 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations yesterday; additional profiling was done at select stations to update characterization of the deep turbid areas (i.e., primarily the deep zones around the BGE stations and BGW-2). Winds were relatively calm again, which makes a week straight. Key results as follows:

- **BGW stations** – TSS was higher again at BGW-2. Profiling in a deeper pocket adjacent to the closest turbidity barrier did not show any obvious TSS source (see the Deep Plume Survey figure attached). However, measurements made in nearby depressions to the NE and W did not identify similarly elevated TSS, suggesting a localized source. We didn't find any obvious plume at the curtains. It is important to note that the elevated values at all these stations are near the bottom of the profiles; most of the water column contains much lower TSS concentrations.
- **BGE stations** – With the continued stable conditions, there has been little substantive change since yesterday; elevated TSS in the depression areas (BGE-2, BGE-3 and BGE-5 target these areas. BGE-1, which is indicative of water leaving Third Portage Lake for Second Portage Lake, remains under the TSS triggers and has decreased substantially since its peak 10 days ago.
- **HVH stations** – The general trend of stability or improvement continued at BGHVH-1, 2 and 4. BGHVH-3, which has been elevated recently at depth.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 54.1 mg/L (4.4 to 206 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 19.7 mg/L (4 to 90 mg/L) - Limit is 15 mg/L. Four stations exceed the monthly mean BGE-2, BG-3, BGE-5 and BGW-2 (90, 72.6, 29.7 and 16.5 mg/l vs 15 mg/l).

If you have any questions do not hesitate to contact me

AGNICO-EAGLE

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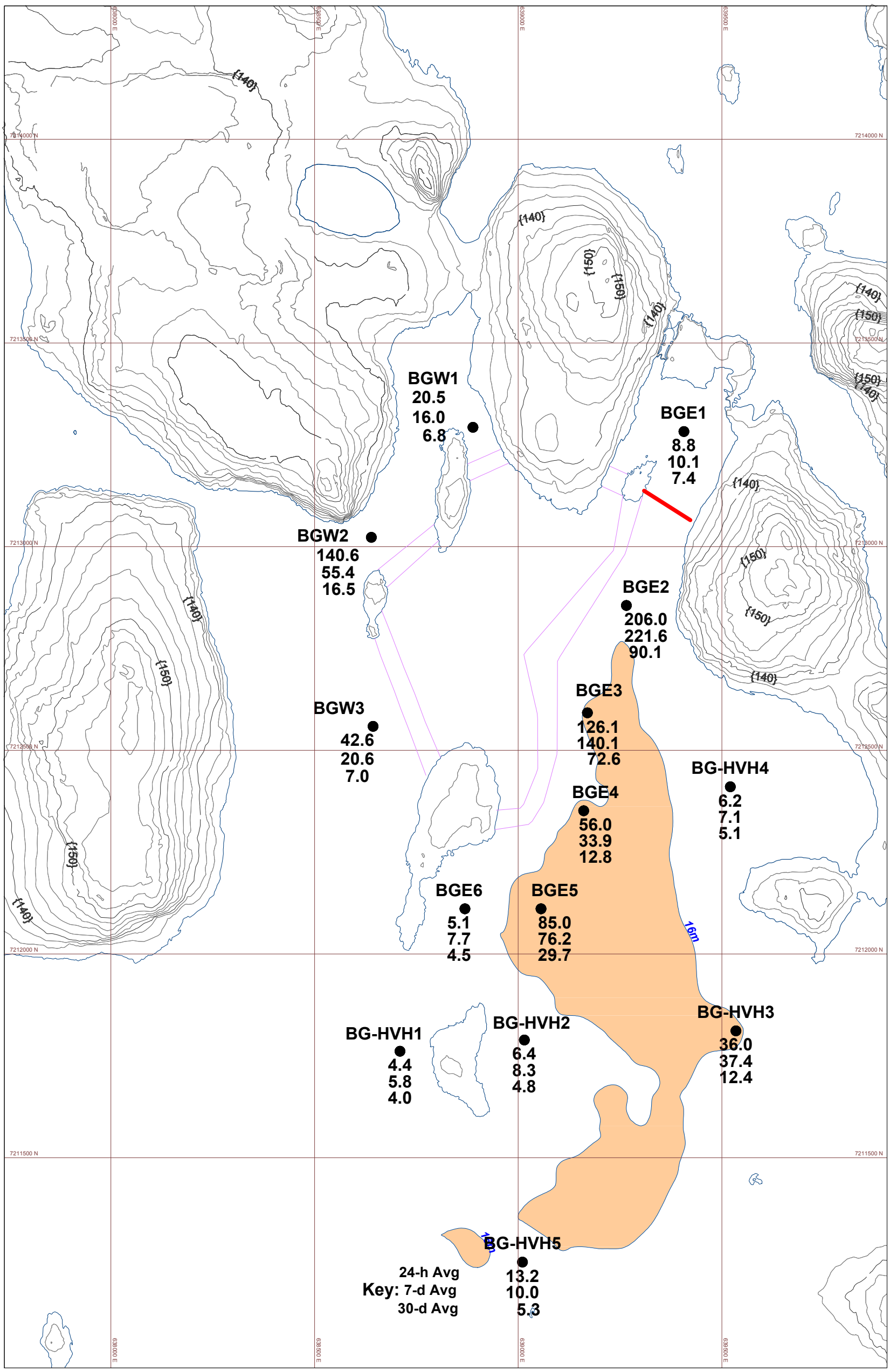

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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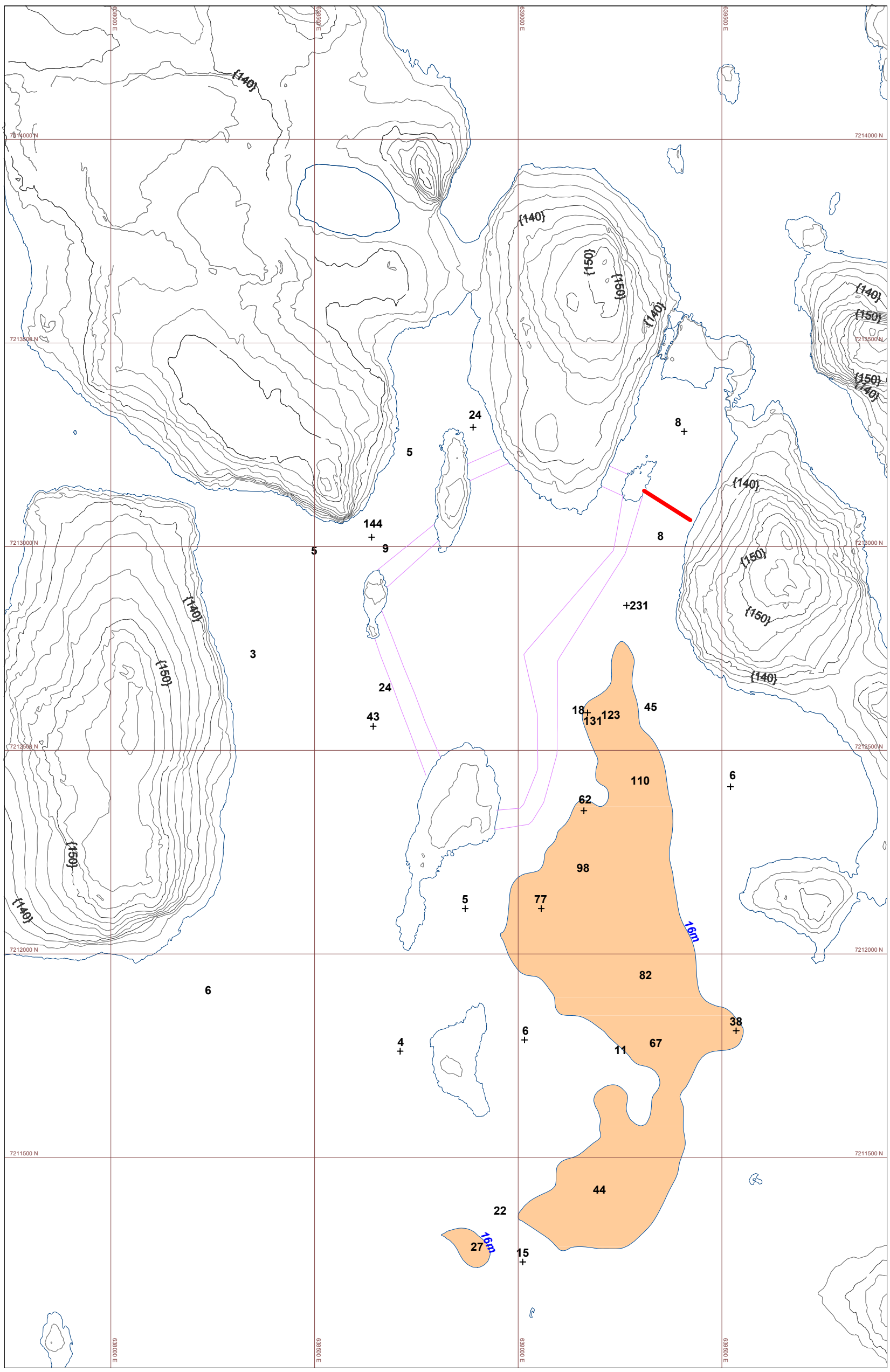
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF August 30, 2009 20:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend	TSS Trigger Values (mg/L)
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations n/a = data do not cover full duration NS = not sampled	

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

DEEP PLUME SURVEY 30 August, 2009
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
30-Aug-09	A	40055A	BGW-1	8:11	84.2	8.3	10.0	84.2										
30-Aug-09	A	40055A	BGW-2	8:22	730.0	7.1	7.5	8.2	28.8	152.0	730.0							
30-Aug-09	A	40055A	BGW-3	8:41	172.0	9.4	10.4	7.4	172.0									
30-Aug-09	A	40055A	BGE-6	10:30	13.3	12.3	11.9	13.3										
30-Aug-09	A	40055A	BGE-5	10:25	346.0	12.0	12.2	13.1	16.7	16.9	17.6	21.3	95.1	265.0	313.0	306.0	346.0	
30-Aug-09	A	40055A	BGE-4	10:15	266.0	11.8	11.9	12.6	17.8	16.6	17.5	60.3	111.2	266.0				
30-Aug-09	A	40055A	BGE-3	10:03	650.0	12.1	12.6	13.1	15.5	16.5	16.5	28.5	111.4	178.0	383.0	553.0	650.0	
30-Aug-09	A	40055A	BGE-2	9:54	1290.0	12.5	12.3	14.3	17.3	19.1	22.7	47.5	1290.0					
30-Aug-09	A	40055A	BGE-1	11:27	24.2	12.6	17.7	20.2	24.2									
30-Aug-09	A	40055A	BG-HVH-1	9:00	11.3	10.1	11.3											
30-Aug-09	A	40055A	BG-HVH-2	10:50	17.6	11.4	10.1	12.7	17.6									
30-Aug-09	A	40055A	BG-HVH-3	9:33	146.0	11.0	10.5	13.7	17.8	17.7	22.6	23.2	45.2	146.0				
30-Aug-09	A	40055A	BG-HVH-4	9:37	16.4	11.1	11.8	13.5	16.4									
30-Aug-09	A	40055A	BG-HVH-5	9:04	48.6	8.7	8.7	11.7	15.0	17.4	25.8	48.6						
30-Aug-09	B	40055B	BGW-1	16:56	39.7	7.1	7.7	39.7										
30-Aug-09	B	40055B	BGW-2	17:00	834.0	7.3	6.9	6.7	30.8	187.8	834.0							
30-Aug-09	B	40055B	BGW-3	17:04	149.0	9.7	9.9	10.3	149.0									
30-Aug-09	B	40055B	BGE-6	17:13	13.9	13.9	12.3	11.4										
30-Aug-09	B	40055B	BGE-5	17:15	453.0	11.7	11.4	12.2	16.1	16.8	18.2	57.2	189.2	313.0	364.0	381.0	453.0	
30-Aug-09	B	40055B	BGE-4	17:20	309.0	11.2	10.7	10.8	15.9	16.6	18.0	85.0	278.0	309.0				
30-Aug-09	B	40055B	BGE-3	17:23	617.0	11.7	11.1	11.4	16.6	17.1	17.3	50.4	201.0	276.0	501.0	601.0	617.0	
30-Aug-09	B	40055B	BGE-2	17:28	614.0	11.5	11.2	11.4	15.7	17.0	18.6	28.9	614.0					
30-Aug-09	B	40055B	BGE-1	16:33	23.1	14.7	16.2	23.1	21.6									
30-Aug-09	B	40055B	BG-HVH-1	17:08	9.8	9.8	9.7											
30-Aug-09	B	40055B	BG-HVH-2	17:10	13.9	11.2	10.9	11.4	13.9									
30-Aug-09	B	40055B	BG-HVH-3	17:35	48.8	10.5	10.0	9.4	11.9	17.6	24.4	27.7	41.3	48.8				
30-Aug-09	B	40055B	BG-HVH-4	17:32	17.6	11.8	11.6	12.1	17.6									
30-Aug-09	B	40055B	BG-HVH-5	17:40	56.5	8.8	8.5	9.7	14.3	15.6	18.8	56.5						

From: Wilson,Anne [Yel] [Anne.Wilson@EC.GC.CA]
Sent: Wednesday, September 02, 2009 7:37 AM
To: Stéphane Robert; Liu, Amy; Balint, David; David Abernethy; Kevin Buck; Andrew.Keim@inac-ainc.gc.ca; Luis Manzo; Stephen Hartman; Dionne@nunavutwaterboard.org; dts@nunavutwaterboard.org; Harden,Chad [Yel]
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: RE: Bay Goose Dike construction August 29
Attachments: Meadowbank Dike Construction Teleconf Sept 2 2009.doc

Hi all,
Here's my rough notes from the call this morning.
Anne

From: Stéphane Robert [mailto:stephane.robert@agnico-eagle.com]
Sent: Sunday, August 30, 2009 7:15 PM
To: Wilson,Anne [Yel]; Liu, Amy; Balint, David; David Abernethy; Kevin Buck; Andrew.Keim@inac-ainc.gc.ca; Luis Manzo; Stephen Hartman; Dionne@nunavutwaterboard.org; dts@nunavutwaterboard.org; Harden,Chad [Yel]
Cc: Larry Connell; Louise Grondin; Denis Gourde; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction August 29

Hi

Two rounds of sampling were conducted at the routine stations August 29. Winds were calm again, which makes six days in a row. Key results as follows:

- **BGW stations** – TSS was higher again at all BGW stations. We will explore the extent of these areas tomorrow.
- **BGE stations** – Little substantive change since yesterday; elevated TSS in the depression areas (BGE-2, BGE-3 and BGE-5 target these areas). BGE-1, which is indicative of water leaving Third Portage Lake for Second Portage Lake remains under the TSS triggers.
- **HVH stations** – All the HVH stations are slightly, with the exception of BGHVH-3 (56 mg/L 24-hr average).

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 56.2 m/L (4.6 to 236 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 17.7 mg/L (3.9 to 83.6 mg/L) - Limit is 15 mg/L. Three stations exceed the monthly mean BGE-2, BG-3 and BGE-5 (83.6, 68.9 and 27 mg/l vs 15 mg/l).

If you have any questions do not hesitate to contact me

AGNICO-EAGLE

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Meadowbank Dike Construction Teleconference - Wednesday, Sept. 2nd, 2009

Update on the results of the monitoring during the Bay Goose dike construction.

Date: Wednesday September 2 2009
Time: 10:00 Eastern Time (09:00 Central Time)
Call In Number: 1877-579-4178
Participant passcode:377645#

Stephane Robert, Louise Grondin, Denis Gourde
Anne Wilson
David Abernethy
Steve Hartman
Dave Hohnstein

Currently very strong winds – gusting to 91 km/hr could not do measurements yesterday. Problems with the turbidity curtain – broken, breached – not able to get on the water today, until wind will calm down. Need lots of repairs on curtain. Lost a coverall yesterday with the high wind.

Not sure about curtain damage, some are separated, some are moved from the bottom, won't get out today – maybe tomorrow if wind calm.

David A. Will there be an expert (contractor) there to oversee camera and repairs?

SR Yes – Gaston Blanchette and his team – did this at Diavik and last two years at MB. He is overseeing dike construction and did the curtain.

First priority will be repairs, don't know how much time will take. Then will be able to see if have leaks or rips. All the east side is not looking good due to waves and winds. Mixing over turbidity curtain.

Steve asked about rock placement

SR Continue on trenching and aggregate in trench, compaction. Dike is closed off, need a little bit more in some places as not quite finished at end. Aren't putting rock in right now, will finish more at the end – have about two days left to do.

Can't use helicopter for a couple of days – damaged by the wind. Will send update photos once repaired.

Stephen – noting that barriers are broken down, should adjust monitoring plan for further afield.

SR. Are doing, and will get out as soon as wind calm (2PL, 3PL, Tehek) – these are done weekly minimum, more frequently when problems. Will do broad survey from Thursday onwards.
Have a lot of natural TSS coming from 3PL as a result of the wind and wave action.

Bays around the lakes high in TSS, see isolated areas. Have lot of rain as well, seeing surface transport in channels. Stephane noted this at Baker Lake as well.

David – asked about further investigations of cause.

SR. Nothing further. Postponed until curtain repaired.

David queried currents and what was known.

SR know surface flow, but not at depth; felt wouldn't affect situation to know. Noted high TSS areas at depth didn't really migrate.

Stephane proposed another call on Friday to update, provided can get out to see curtain.

David asked what will happen when curtains removed.

SR noted can't leave in winter; would be torn up by ice. Removal would take about one week. Would want to salvage carefully for use next year, if in good shape.

Steve – what about suspending the curtains below the ice?

Denis noted would remove the floating device and that would destroy the curtain.

Louise felt most important curtains one between lake channels – this could phase with removal carefully done in the order that would limit TSS spread.

Steve asked that the majority of the TSS was not settling, that it is dispersing.

SR answered that this year aren't seeing dispersing.

LG last year saw settling over the winter to 1-2 ppm by spring.

Steve asked about the practice of averaging results.
SR explained do average of all stations, but report details. Last results did exceed averages. Said have no comments on that.

Anne noted monitoring plan stated at each station, not an average. This is something for the NWB to clarify and INAC to enforce.

Steve noted things are worse on this phase of the dike construction than for the East. Values for TSS outside of curtains were high, didn't extend due to favorable conditions. Now have situation where nature has blown.

LG Will measure lake-wide to see what areas have higher TSS.

SR Last year results seemed to be in same range, but were dispersed to Tehek Lake. This year was in discrete areas in the deep section of the water column – different impacts than being through all the water column.

Louise noted are looking at how to improve everything.
Conference call on Friday at 2:00 MDT

From: Stéphane Robert
Sent: Friday, September 04, 2009 9:46 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'Dionne@nunavutwaterboard.org'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction Sept 3
Attachments: Bay-Goose TSS Figure 3 September 2009.pdf; Bay-Goose Broad Map 3 September 2009.pdf; Turbidity Data Input Sept 3 2009.pdf; Photos of Turbidity curtain Bay Goose dike Sept 3 2009.pdf

Hi

Here is an update on the construction and on the turbidity curtain integrity.

Construction:
The rockfill platform: 100% We decided to stop the rock platform advancement to make sure that we did not put anymore rock in the water. We will resume the rock platform next year.
Trenching: 93%
Backfill with aggregate: 50%

Turbidity curtain:

- September 1st: Major windstorm with gusting winds up to 90 km/h. Turbidity barriers impaired at several locations (See photos 1-4)
- September 2nd: Windstorm continued. Too windy to go on the lake.
- September 3rd: Wind tapered off. First tour on the lake to assess damage to the turbidity barriers. Top cable found intact all along the lines but vinyl fabric ripped off the steel cable at several locations. It appears that the normal service conditions were largely exceeded during the windstorm despite the use of best material available on the market. Given the widespread damages and the fact that the majority of the TSS generation is finish (rock platform and trenching), it was decided to use intact portions of inner barriers to close the gaps within outer barriers. We do not have enough turbidity curtains to replace the two turbidity barriers.
- We started working on the Eastern barriers. We started disconnecting the intact sections of the inner barriers from their anchors.
- We estimated that one week (depends on the weather) will be necessary to repair one turbidity barriers around the dike.

Turbidity Monitoring
One round of sampling was conducted at the routine stations yesterday (except BGE1, which could not be accessed). We also conducted a broad survey in Second Portage Lake and in Third Portage Lake (east basin) to determine to what extent the recent wind event had dispersed turbid water.
Key findings from today:

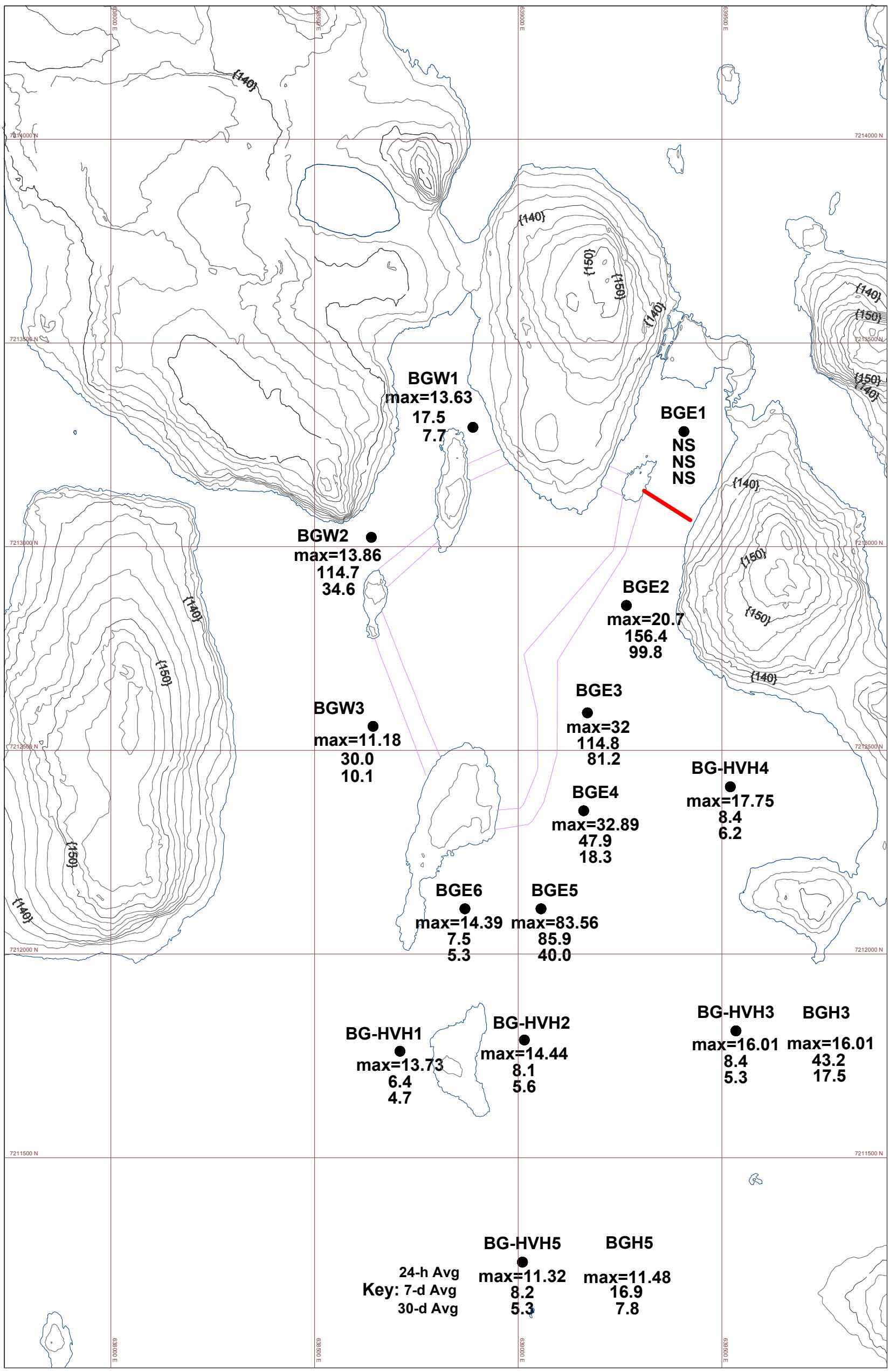
- **BGW stations** – Very little vertical differentiation remains at these stations following the wind event. Yesterday's values are slightly below the 24-hour trigger, and lower than they have been in the past week as the water column has mixed.
- **BGE stations** – The distinct deep turbid zone now remains only at depths of 20 meters and greater at BGE-3 and BGE-5. Today's TSS values were noticeably lower at BGE-2, 3, and 4 (all were below the 24-hour trigger). BGE-5 didn't change much, but the high values are now restricted to 20m and deeper. At BGE-6, TSS increased (probably due to plume dispersion) but is still below relevant triggers. BGE-1 could not be accessed yesterday.
- **HVH stations** – In contrast to previous days, TSS is now very similar at all of the BGHVH stations and at all depths. The new 24-hour TSS trigger is barely exceeded at BGHVH-3, and is not exceeded at other stations. However, the new 30-day trigger is below the relevant triggers.
- **Broad Survey** – TSS levels in Second Portage Lake are similar to or slightly lower than the last broad survey on August 26th. Aerial observations yesterday confirm that turbid water in Second Portage Lake is confined to a narrow band along the shore (photo 6 and 7). In Third Portage Lake, the broad survey indicates that TSS levels have

increased throughout much of the east basin. However, TSS was low at the station that connects the east basin to the rest of Third Portage Lake. Aerial observations yesterday confirm that turbid water appears to be limited to the east basin (photo 5).

Talk to you at 15:00 Central time

Use this new phone number and Participant code
Call In Number: 1877-727-8553
Participant passcode:840177414#

Stéphane Robert
Environment superintendent
Agnico-Eagle
Meadowbank Division
Phone: 819-759-3700 ext. 814
Cel: 819-763-0229
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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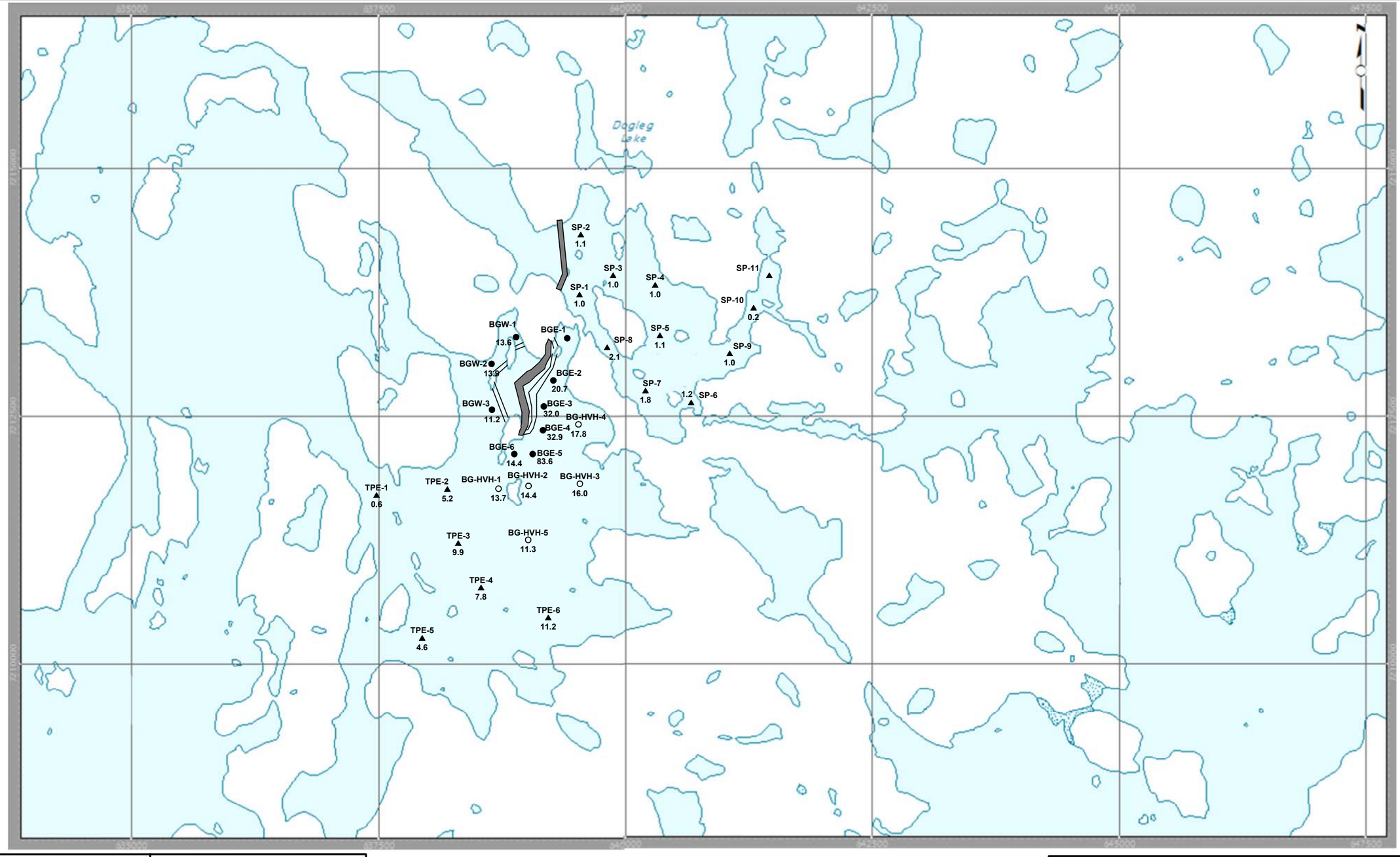
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 3, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 3, 2009.

BAY-GOOSE BROAD MAP.GRF

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
03-Sep-09	A	40059A	BGW-1	7:47	43.1	43	39.8	43.1										
03-Sep-09	A	40059A	BGW-2	7:54	44.0	40.5	38.6	41.2	43.0	42.0	44.0							
03-Sep-09	A	40059A	BGW-3	8:02	34.0	21.0	22.6	27.1	34.0									
03-Sep-09	A	40059A	BGE-6	8:28	46.0	41.3	41.5	46.0										
03-Sep-09	A	40059A	BGE-5	8:30	380.0	39.5	36.0	35.2	40.8	41.8	43.2	39.1	40.5	51.2	61.7	99.5	380.0	
03-Sep-09	A	40059A	BGE-4	8:35	124.1	33.5	35.0	41.0	43.6	42.1	44.4	45.2	124.1	104.1				
03-Sep-09	A	40059A	BGE-3	8:40	120.1	51.1	52.1	52.3	51.5	55.1	67.4	65.6	63.1	59.1	52.3	91.0	120.1	
03-Sep-09	A	40059A	BGE-2	8:44	71.2	47.8	46.4	50.6	49.5	50.0	53.9	51.2	71.2					
03-Sep-09	A	40059A	BGE-1		0.0													
03-Sep-09	A	40059A	BG-HVH-1	8:07	43.5	34.1	43.5											
03-Sep-09	A	40059A	BG-HVH-2	8:19	46.2	37.2	39.0	39.6	46.2									
03-Sep-09	A	40059A	BG-HVH-3	8:55	52.3	44.6	52.3	44.2	39.8	44.7	44.9	45.1	46.2	49.7				
03-Sep-09	A	40059A	BG-HVH-4	8:49	59.2	43.3	46.6	48.8	59.2									
03-Sep-09	A	40059A	BG-HVH-5	8:10	35.1	34.0	34.5	31.2	29.1	30.2	29.0	35.1						

Bay Goose Dike construction September 3 2009

Photo 1 : Turbidity curtain Bay Goose Dike Sept 3.

Photo 2 : Turbidity curtain West side Sept 3, 2009

Photo 3 : Turbidity curtain West side

Photo 4 : Turbidity curtain East side.

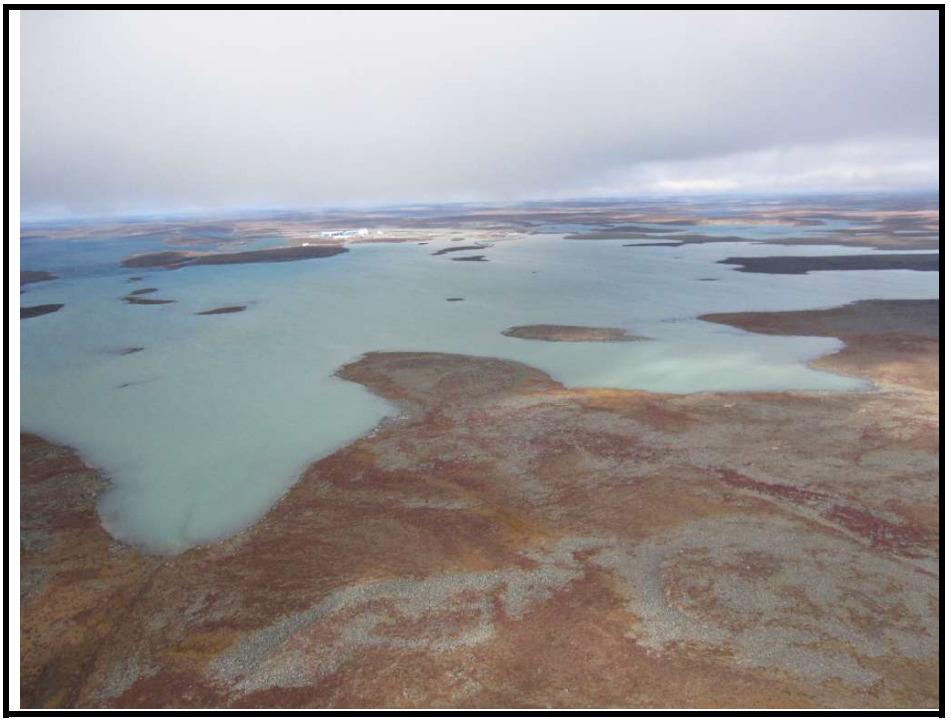


Photo 5 : The plume is limited to the East basin of Third Portage Lake.

Photo 6 : Third Portage Lake (left) and Second Portage Lake (right) comparaison.

Photo 7 : Turbid water in Second Portage Lake is confined to a narrow band along the shore.

Meadowbank Teleconference – Sept. 4, 2009

Stephane Robert, Denis Gourde
Steve Hartman
Anne Wilson
Amy Lui
David Abernethy, Kevin Buck

Update:
Construction – will stop rock platform advancement so don't put any more rock in the water. Stopped at 900 m were supposed to reach 1000m. Will resume next year and will extend phase 2 turbidity curtains up to enclose this (1.2 km instead of 1.0 km of curtain). Trenches are at 93% will reach island in next two days. 50% of backfill done.

Turbidity curtain
Sept. 1 windstorm broke curtain; Sept. 2nd continued; too windy to go on lake; Sept. 3 could access. Assessed damage; saw that top cable was intact all along the line but fabric ripped from cable. Not expected. Widespread damage. Will use intact portion of inner barrier to enclose; don't have enough curtain to replace double. Will replace outside one. Started on eastern barrier. Started disconnecting intact sections of inside barrier to use to repair outer barrier. Estimate one week to repair. Will leave sections not needed on inner curtain alignment, parts of that barrier will be there. The outer one will be fully closed again.

Kevin - Third barrier could be redeployed to prevent sediments flowing out to 2PL?

SR It is still in good shape; doing job but flow around it
May leave it for winter, once channel is frozen can remove.

Question of whether 2PL sampling was in actual visible plume. Sampling location in 2PL is in 10 m so is east of shore plume. Shore is about 13 mg/L TSS, channel is 1 mg/L.

Steve Hartman was in yesterday; saw small band 2-3 m wide in shallow water. As of yesterday, small band along shoreline.

East basin fairly well mixed, but area within curtains still more turbid; so are working.

Amy: char, trout, round whitefish will be spawning shortly; this time is sensitive. Shoreline areas used for rearing and feeding, so are moderate value fish habitat.

SR. Have a graph of effects monitoring study; will send next week. Continuing with field monitoring and lab work similar to last year.
Doing weekly samples for TSS, but relying on correlation to turbidity.
Stated this is a small plume that has been there for two weeks.

Kevin asked if only affected area is TPL; Stephen advised wind blowing from top of photo 5 and that most of the basin and bays were turbid. Current will push towards 2PL. Is everything possible being done to prevent further migration? How will this be addressed for next year's construction?

Denis – will see what can do to maximize efforts during dike repairs and report middle next week.

Kevin: What is the effect of trenching and backfill?

SR. It is a contributor of TSS; last year only had 10 m between trench and outer side of the dyke; this year have about 30 m between edge of trench and the lake. May help to capture some TSS from the trench.

KB how much water in trench?

SR to check.

KB could it be pumped out?

SR. no place to put it, and will fill with other water coming in.

KB what about to East Dike enclosure?

Steve – flew over Tehek Lake and didn't see any naturally occurring instances.
Are they worried about tss going into main body of 3PL if wind changes?

SR staying fairly stable; major flow from south to 2PL, keeps in east basin.

David: Question about other dike work – will the stormwater dike construction resume if not doing rock placement?

SR. Yes, work continues, goes well. Sending water from the north cell to the south cell. The treatment plant will start Sept. 21.

Kevin asked for updates over the weekend.

SR will continue to send daily reports and repair update.

From: Stéphane Robert
Sent: Sunday, September 06, 2009 2:08 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction Sept 4
Attachments: Bay-Goose TSS Figure 4 September 2009.pdf; Bay Goose dike September 4.jpg; East Bassin of Third portage Septmenber 4.jpg; Turbidity Data Input Sept 4 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations September 4. Key findings are as follows:

Note that there are new TSS triggers for HVH stations – As it is now September, new TSS triggers apply at the HVH stations (25 mg/L for 24-hr average, and 6 mg/L for 30-day averages), intended to provide protection to nearby high-value habitat areas. We are applying these thresholds to all of the HVH stations, with an exception – at HVH-3 and HVH-5 (which are deep stations), we apply the new high value TSS triggers only at depths of 0 to 8 meters, while the non-HVH triggers apply only to the full water column at those two stations. For these two stations, we therefore report two sets of results in tables and figures. Our HVH stations are generally located in areas of high value habitat, but not necessarily exactly on high value habitat; rather, they tend to be positioned slightly towards the dike in order to provide an early warning of potential effects on high value habitat. In the case of HVH-3 and HVH-5, they happened to be in deep water, whereas real high value habitat does not occur at depths. The vertical differentiation in TSS levels that occurred lately made this very important, and our new approach avoids the error of applying TSS triggers for high value habitat to deep water at those two stations.

- **BGW stations** – With the return of calmer weather, there appears to be some re-establishment of more turbid water at depth at BGW-2 and BGW-3. Values for both stations are slightly below the 24-hour trigger. BGW-2 exceeds the 30-day trigger.
- **BGE stations** – The BGE stations remain mostly vertically mixed except for deeper water (approximately below 20 m) at stations BGE-3 and BGE-5. The 24-hour average TSS values are still lower than they were a few days ago at stations BGE-2 to BGE-5 (only BGE-3 exceeds the 24-hour trigger), but have increased at BGE-6 due to spreading of turbid water further into the east basin. All four stations BGE-2 to BGE-5 still exceed the 30-day triggers. BGE-1 was not sampled September 4 (currently accessible by canoe only)
- **HVH stations** – TSS is very similar at all of the BGHVH stations and at all depths. While TSS at the BGHVH stations is higher than a few days ago, it is below the applicable 24-hour TSS trigger in all cases. The 30-day trigger is exceeded slightly at BGHVH-4.

We continue to disconnecting the intact sections of the inner barriers from their anchors.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 23.80 m/L (11.5 to 58.3 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 27.8 mg/L (5.4 to 101.3 mg/L) - Limit is 15 mg/L. Three stations exceed the monthly mean BGE-2, BG-3, BGE-4 and BGE-5 (19.4 to 101.3 mg/l vs 15 mg/l).

One station exceed the monthly mean for the HVH, BGHVH-4 (6.9 mg/L vs 6 mg/L)

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
Environment superintendent

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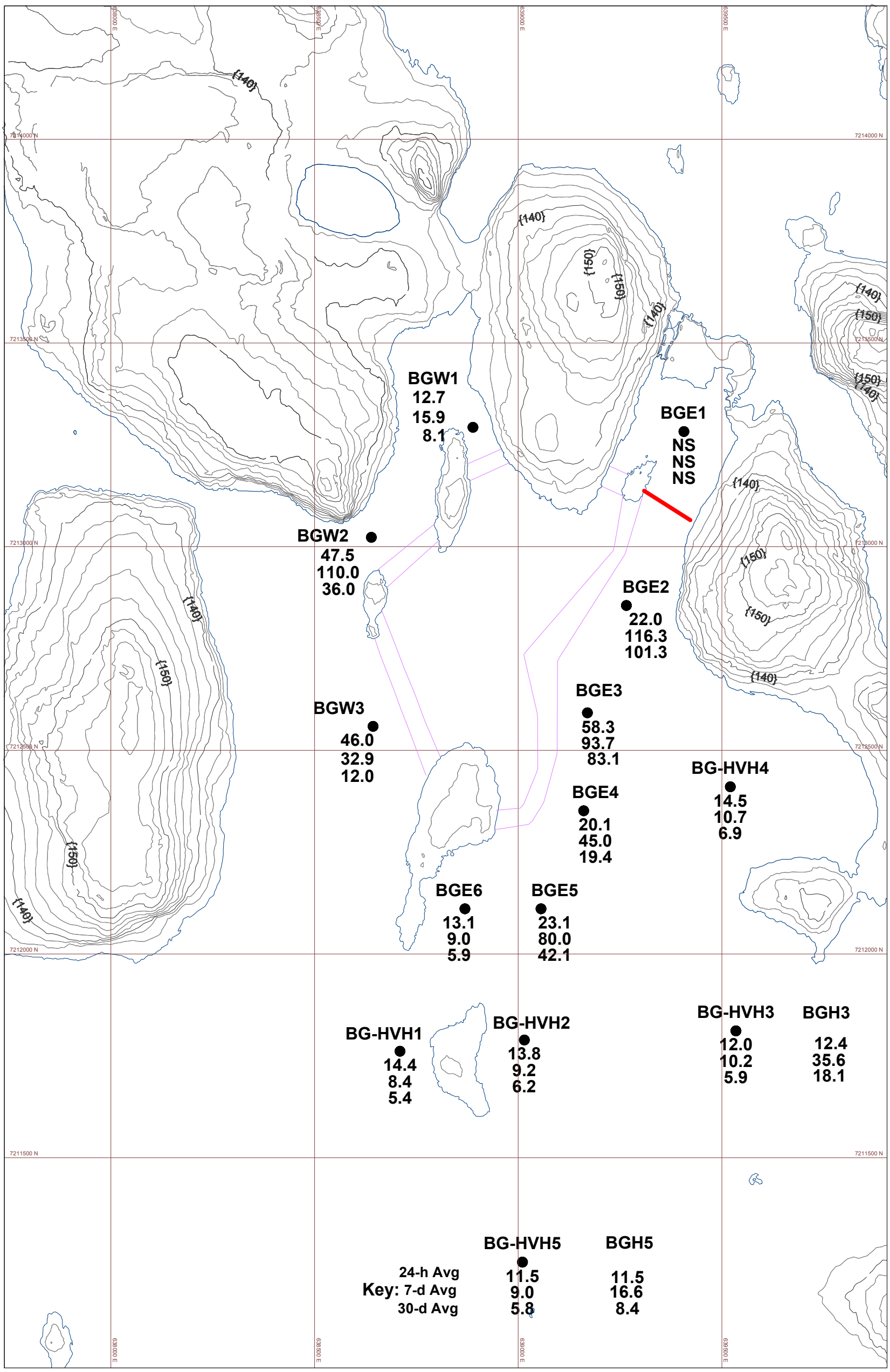
Phone: 819-759-3700 ext. 814
Cel: 819-763-0229
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 4, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Bay Goose Dike September 4

East Basin of Third Portage September 4

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
04-Sep-09	A	40060A	BGW-1	9:10	39.4	38.1	39.4	35.4										
04-Sep-09	A	40060A	BGW-2	9:20	121.0	16.0	36.0	48.0	49.0	121.0	120.0							
04-Sep-09	A	40060A	BGW-3	9:46	218.0	16.7	47.0	205.0	218.0									
04-Sep-09	A	40060A	BGE-6	10:40	43.7	43.7	36.4	37.4										
04-Sep-09	A	40060A	BGE-5	10:46	55.3	43.2	35.2	36.3	39.7	38.5	39.4	40.8	39.3	38.2	39.5	55.3	54.2	
04-Sep-09	A	40060A	BGE-4	11:13	51.5	38.4	38.8	38.2	47.3	49.1	39.3	43.3	46.7	51.5				
04-Sep-09	A	40060A	BGE-3	11:31	260.0	53.4	51.8	49.0	48.1	50.5	54.5	73.0	151.0	204.0	222.0	260.0	252.0	
04-Sep-09	A	40060A	BGE-2	11:36	92.1	44.4	36.4	43.6	43.1	46.3	55.9	68.5	92.1					
04-Sep-09	A	40060A	BGE-1															
04-Sep-09	A	40060A	BG-HVH-1	9:55	54.2	46.5	54.2											
04-Sep-09	A	40060A	BG-HVH-2	10:31	39.9	37.7	39.9	38.2	37.9									
04-Sep-09	A	40060A	BG-HVH-3	11:59	37.3	33.9	33.0	35.4	35.8	35.6	22.5	27.4	37.3	30.3				
04-Sep-09	A	40060A	BG-HVH-4	11:55	42.8	40.6	42.8	42.3	42.4									
04-Sep-09	A	40060A	BG-HVH-5	10:00	36.9	36.9	34.5	33.5	28.2	27.8	26.2	26.1						
04-Sep-09	B	40060B	BGW-1	17:03	39.9	34.5	38.6	39.9										
04-Sep-09	B	40060B	BGW-2	17:07	265.0	24.7	21.5	32.3	143.2	222.0	265.0							
04-Sep-09	B	40060B	BGW-3	17:13	153.3	27.0	32.5	56.7	153.3									
04-Sep-09	B	40060B	BGE-6	17:32	38.3	38.3	32.5	34.4										
04-Sep-09	B	40060B	BGE-5	17:38	107.4	38.5	35.3	41.0	52.1	54.3	64.1	74.7	72.5	73.7	77.7	90.4	107.4	
04-Sep-09	B	40060B	BGE-4	17:43	86.1	49.7	46.5	52.4	53.8	52.1	53.5	57.5	66.1	86.1				
04-Sep-09	B	40060B	BGE-3	17:48	233.0	48.8	53.3	55.8	53.3	50.4	53.6	53.6	47.9	61.3	85.4	121.8	233.0	
04-Sep-09	B	40060B	BGE-2	17:56	61.3	46.8	55.7	47.1	50.2	56.3	60.8	61.3	58.3					
04-Sep-09	B	40060B	BGE-1															
04-Sep-09	B	40060B	BG-HVH-1	17:19	37.9	37.9	35.4											
04-Sep-09	B	40060B	BG-HVH-2	17:29	47.7	38.5	38.3	40.5	47.7									
04-Sep-09	B	40060B	BG-HVH-3	18:05	39.8	38.5	37.1	35.1	37.3	37.9	39.8	34.5	30.5	34.1				
04-Sep-09	B	40060B	BG-HVH-4	18:01	49.7	34.4	34.8	37.4	49.7									
04-Sep-09	B	40060B	BG-HVH-5	17:24	33.7	27.0	29.4	32.6	33.7	29.7	29.1	30.1						

From: Stéphane Robert
Sent: Sunday, September 06, 2009 3:42 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction Sept 5
Attachments: Bay-Goose TSS Figure 5 September 2009.pdf; Bay-Goose Plume Survey 5 September 2009.pdf; Turbidity Data Input Sept 5 2009.pdf

Hi

One round of sampling was conducted at the routine stations yesterday because of the strong winds in the afternoon, as well as some sampling to investigate the extent of any deep plume re-formation. Key findings are as follows:

- **BGW stations** – Values for BGW-2 and BGW-3 are slightly below the 24-hour trigger. The deep plume was evident at station BGW-2, and less so at BGW-3. Sampling of areas around BGW-2 (see plume extent map) indicates that the area of high TSS is probably localized. BGW-2 exceeds the 30-day trigger.
- **BGE stations** – None of the BGE stations had TSS levels exceeding the 24-hour trigger. The 30-day average TSS levels still exceed the relevant triggers at BGE-2 through BGE-5. The 24-hour average TSS value at BGE-6 is similar to the last couple of days, and BGE-6 does not exceed any triggers. The BGE stations remain mostly vertically mixed. We detected noticeably deep turbid water only at BGE-3 at 22 meters depth, but TSS levels at that depth are much lower than a week ago. The plume survey found one other station southeast of BGE-3 with similar TSS levels at depth (18-20 m), but otherwise we found no other pockets of elevated TSS at depth. Again, we were unable to sample at BGE-1 (given that it is accessed by canoe, calm weather is needed).
- **HVH stations** – Values at BG-HVH stations are similar to September 4, and all stations appear to be completely vertically mixed. While the 24-hour TSS levels do not exceed triggers at any stations, the 30-day trigger is exceeded at BG-HVH4.

Because of the strong winds, we had to stop the work on the turbidity curtain in the afternoon. We decided to put silt fence in the two channels of Third Portage Lake to help to contain the TSS in the TPL. We began this work yesterday afternoon and we estimate that the work will be complete Monday night. We will resume the work on the turbidity curtain when we will have calm weather.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 22.7 m/L (11.3 to 57.1 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 27.8 mg/L (5.5 to 99.8 mg/L) - Limit is 15 mg/L. Four stations exceed the monthly mean BGE-2, BG-3, BGE-4 and BGE-5 (19.4 to 99.8 mg/l vs 15 mg/l).

One station exceed the monthly mean for the HVH, BGHVH-4 (7.1 mg/L vs 6 mg/L)

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
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Phone: 819-759-3700 ext. 814
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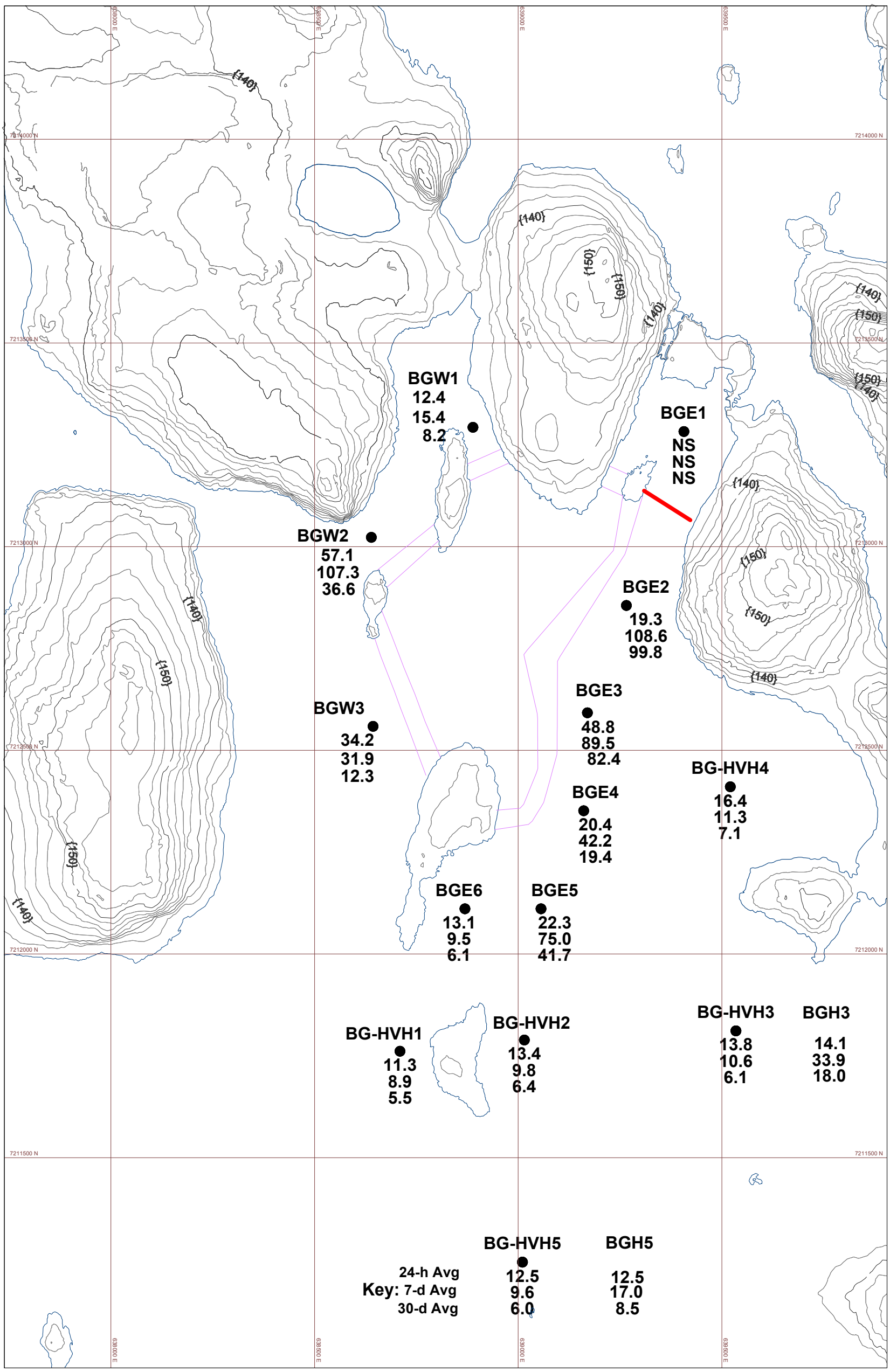


Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

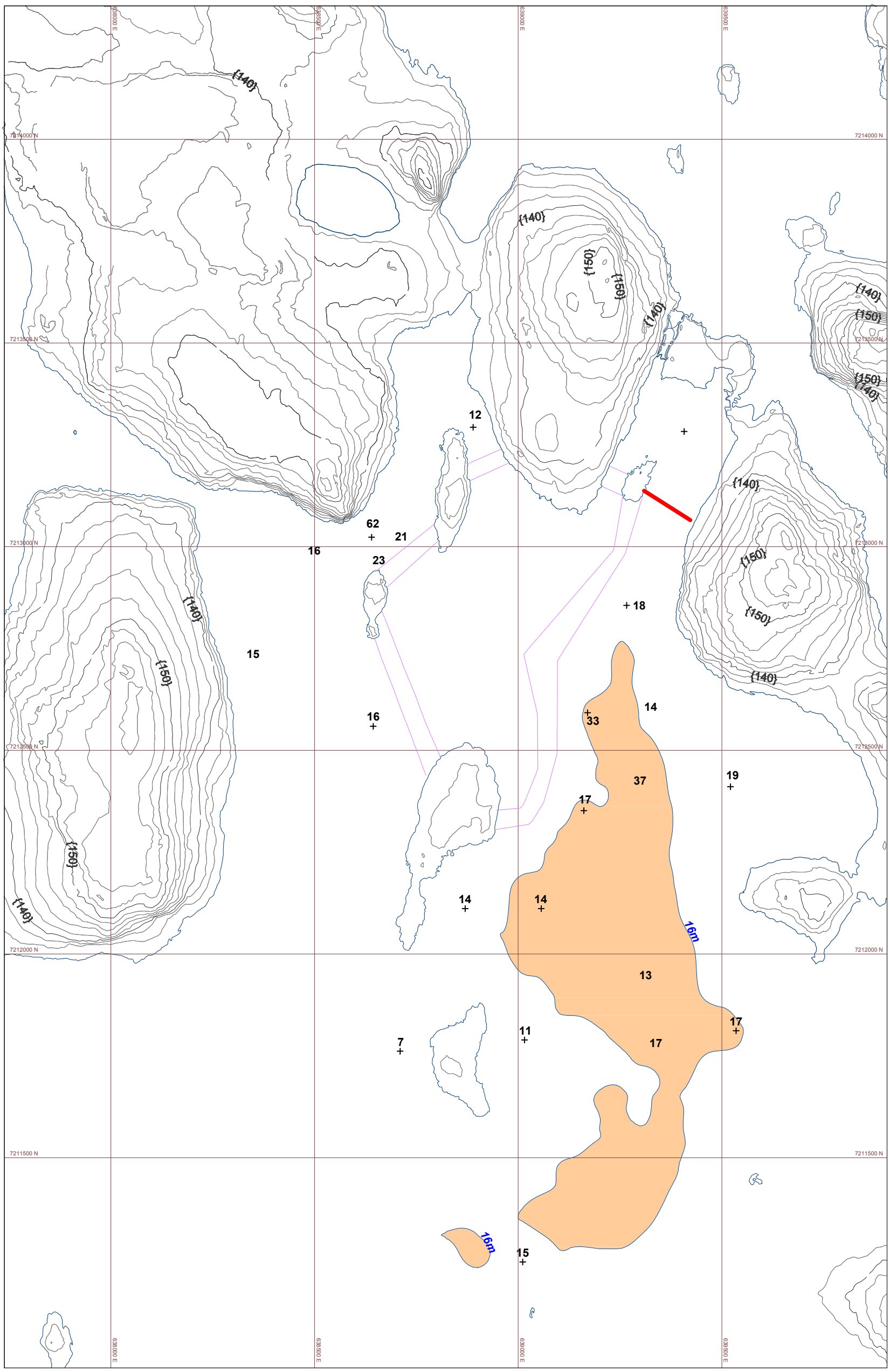
Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 5, 2009 20:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend	TSS Trigger Values (mg/L)
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled	

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

DEEP PLUME SURVEY September 5, 2009
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
05-Sep-09	A	40061A	BGW-1	8:12	35.6	34.7	35.6	31.5										
05-Sep-09	A	40061A	BGW-2	8:14	266.0	57.0	56.2	60.3	90.5	214.0	266.0							
05-Sep-09	A	40061A	BGW-3	8:18	52.3	24.8	23.1	23.0	52.3									
05-Sep-09	A	40061A	BGE-6	8:33	43.6	30.2	37.0	43.6										
05-Sep-09	A	40061A	BGE-5	8:35	44.5	42.5	42.9	44.5	41.0	41.6	41.7	39.5	44.5	33.3	34.5	36.9	32.5	
05-Sep-09	A	40061A	BGE-4	8:40	54.3	50.1	54.3	50.0	52.4	49.4	45.5	35.0	54.1	46.2				
05-Sep-09	A	40061A	BGE-3	8:45	125.7	49.0	48.3	48.2	49.0	52.2	46.3	50.2	53.7	55.1	82.6	91.5	125.7	
05-Sep-09	A	40061A	BGE-2	8:50	60.2	39.8	43.7	43.2	48.9	51.7	47.4	46.1	60.2					
05-Sep-09	A	40061A	BGE-1		0.0													
05-Sep-09	A	40061A	BG-HVH-1	8:23	20.0	20.0	19.7											
05-Sep-09	A	40061A	BG-HVH-2	8:29	35.1	32.1	31.5	34.6	35.1									
05-Sep-09	A	40061A	BG-HVH-3	8:59	55.6	40.8	41.1	46.3	53.4	54.0	55.6	50.7	50.5	43.3				
05-Sep-09	A	40061A	BG-HVH-4	8:54	64.3	44.2	57.1	64.3	62.1									
05-Sep-09	A	40061A	BG-HVH-5	8:26	47.3	44.0	42.3	46.5	45.3	47.3	42.8	44.2						

From: Stéphane Robert
Sent: Monday, September 07, 2009 5:25 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction Sept 6
Attachments: Bay-Goose Broad Map 6 September 2009.pdf; Bay-Goose TSS Figure 6 September 2009.pdf; Silt fences in the east and Central channel sept 6.jpg; Bay Goose dike Sept 6 2009.jpg; Silt fences in the central channel sept 6.jpg; Turbidity Data Input Sept 6 2009.pdf

Hi

Due to strong winds yesterday, during Bay-Goose routine sampling we only accessed the water once, and could only sample at BGW stations and HVH-1. Consequently, in the map, the 7-day and 30-day average TSS levels for all other stations are repeated from September 5. We were able to complete a broad survey in Second Portage Lake.

Key findings are as follows:

- **BGW stations** – TSS values are lower than Sept 5 for BGW-2 and BGW-3, as we did not detect elevated TSS at depth. These two stations did not exceed the 24-hour trigger, and BGW-2 exceeds the 30-day trigger. Station BGW-1 no longer exceeds any triggers.
- **BGHVH-1** – TSS was slightly lower today compared to yesterday, but station BG-HVH1 still slightly exceeds the 7-day trigger.
- **Second Portage Lake Broad Survey** – TSS levels are similar to the last broad survey three days ago, with the exception of increases at SP-1 (2 mg/L) and at SP-8 (3.5 mg/L). These two stations are closest to the outflow from Third Portage Lake. The installation of silt fences in the two channels will help to contain the TSS in the TPL.

We continue the work on the silt fence in the two channels of Third Portage Lake (see pictures). We will resume the work on the turbidity curtain when we will have calm weather.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
Environment superintendent
Agnico-Eagle
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Phone: 819-759-3700 ext. 814
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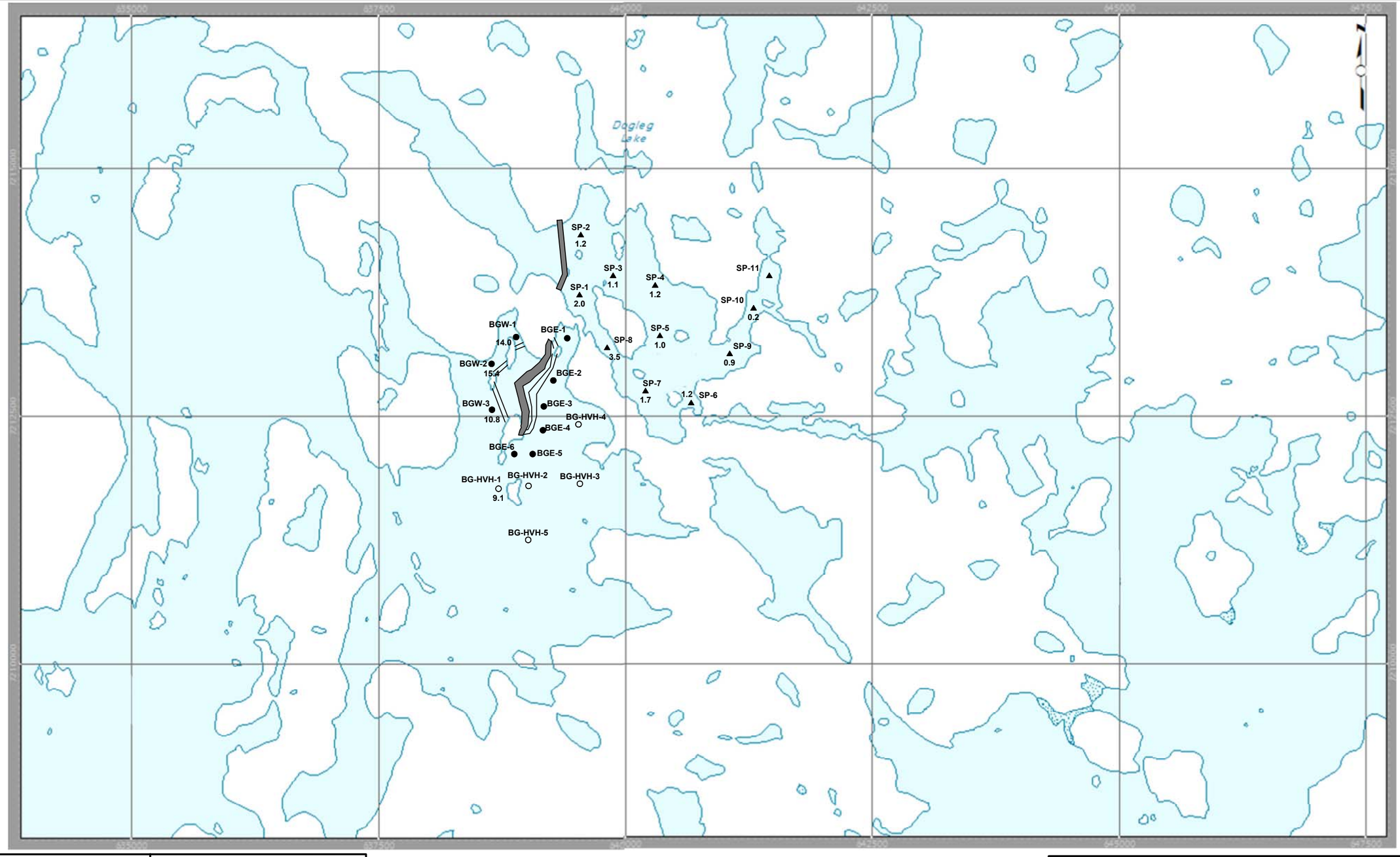
stephane.robert@agnico-eagle.com



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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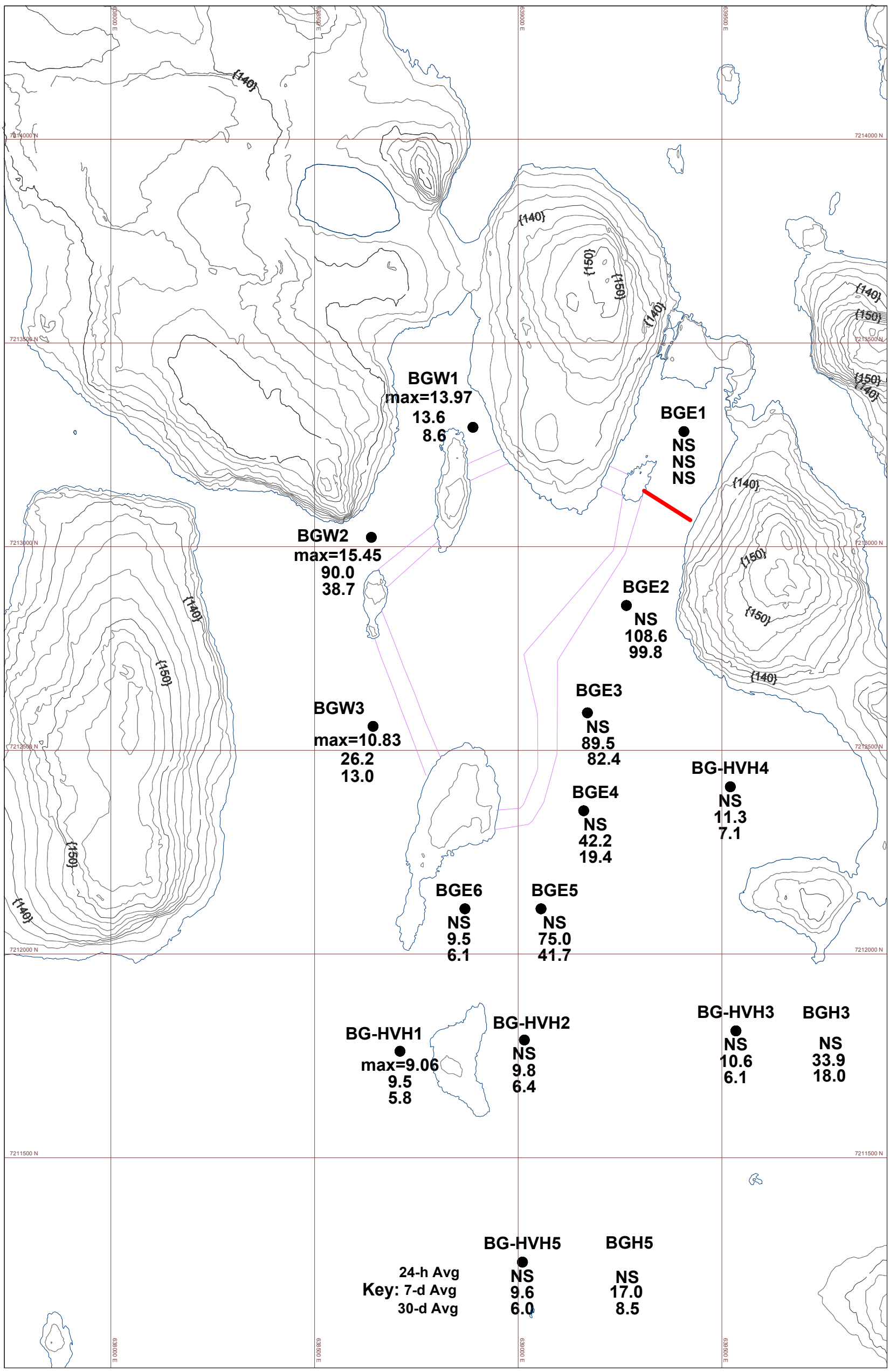
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 6, 2009.

BAY-GOOSE BROAD MAP.GRF



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 6, 2009 20:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Silt Fences in the East and Central Channel Sept 6

Bay-Goose Dike Sept 6 2009

Silt Fences in the Central Channel Sept 6

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
06-Sep-09	A	40062A	BGW-1	16:48	44.4	41.0	44.4	43.1										
06-Sep-09	A	40062A	BGW-2	16:50	50.1	41.4	43.4	42.9	37.6	50.1	36.3							
06-Sep-09	A	40062A	BGW-3	16:56	32.7	21.9	25.2	25.5	32.7									
06-Sep-09	A	40062A	BG-HVH-1	17:02	26.4	26.4	25.1											

From: Stéphane Robert
Sent: Tuesday, September 08, 2009 6:36 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould
Subject: Bay Goose Dike construction Sept 7
Attachments: Bay-Goose TSS Figure 7 September 2009.pdf; Silt fences in Central and East Channel sept 7 2009 (Large).jpg; Bay Goose Dike sept 7 2009 (Large).jpg; Turbidity Data Input Sept 7 2009.pdf

Hi

Construction update
The rockfill platform: 100%
Trenching: 97%
Backfill with aggregate: 70%

Turbidity monitoring
Two rounds of sampling were conducted at the routine stations yesterday. We did not detect any elevated TSS at depth at any stations in the morning, but in the afternoon there were weak vertical gradients re-forming at stations BGW-2, BGW-3 and BGE-3.

The 24-hr average TSS levels are relatively similar across all stations, ranging from 8.3 to 18.8 mg/L.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 14.7 m/L (8.8 to 18.3 mg/L) - Limit is 50 mg/L

Monthly mean (30 days): 26.7 mg/L (5.9 to 100.5 mg/L) - Limit is 15 mg/L. Five stations exceed the monthly mean BGW-2, BGE-2, BG-3, BGE-4 and BGE-5 (20.3 to 100.5 mg/l vs 15 mg/l).

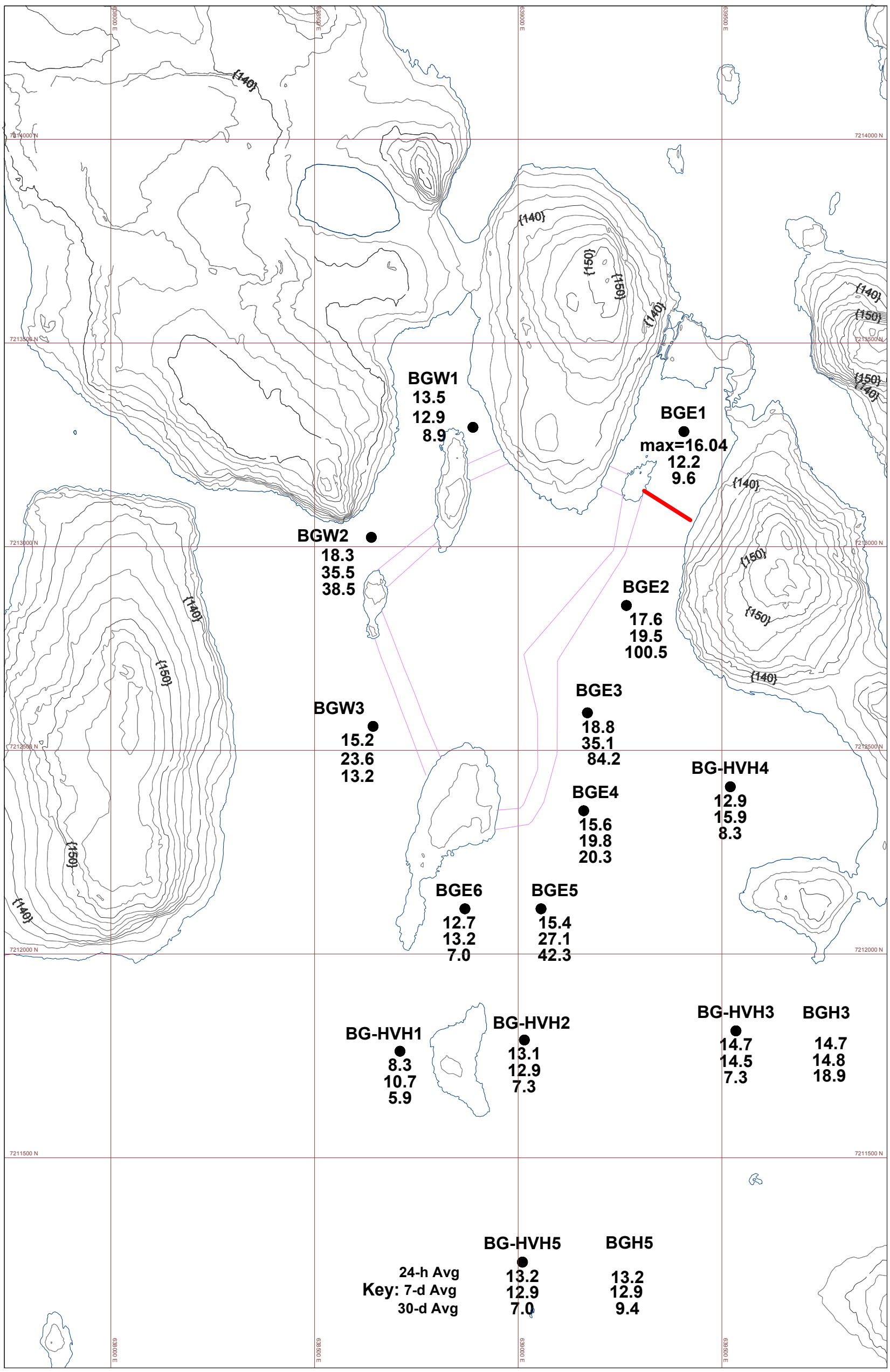
Four station exceed the monthly mean for the HVH, BGHVH-2 to BGHVH-5 (7.0 to 8.3 mg/L vs 6 mg/L)

We finish the work on the silt fence in the two channels of Third Portage Lake (see pictures). We resume the work on the turbidity curtain.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
Environment superintendent
Agnico-Eagle
Meadowbank Division
Phone: 819-759-3700 ext. 814
Cel: 819-763-0229
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 7, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Silt Fence in Central and East Channel Sept 7 2009

Bay Goose Dike Sept 7 2009

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
07-Sep-09	A	40063A	BGW-1	7:45	42.5	41.0	39.1	42.5										
07-Sep-09	A	40063A	BGW-2	7:49	53.0	47.9	46.2	48.6	49.5	49.5	53.0							
07-Sep-09	A	40063A	BGW-3	7:52	42.3	32.1	34.5	40.0	42.3									
07-Sep-09	A	40063A	BGE-6	8:06	37.6	35.6	32.7	37.6										
07-Sep-09	A	40063A	BGE-5	8:08	57.4	38.6	40.0	37.5	40.9	39.9	41.3	35.8	37.4	35.5	39.3	46.3	57.4	
07-Sep-09	A	40063A	BGE-4	8:12	62.0	36.6	37.8	36.7	36.5	36.9	38.0	43.1	62.0	50.8				
07-Sep-09	A	40063A	BGE-3	8:16	48.9	40.3	41.5	40.4	39.6	40.1	42.9	42.2	42.7	48.5	48.9	42.5	31.7	
07-Sep-09	A	40063A	BGE-2	8:19	58.8	46.0	44.3	45.1	47.6	47.3	58.8	52.1	56.1					
07-Sep-09	A	40063A	BGE-1	9:04	52.4	48.4	52.4	48.5	42.6									
07-Sep-09	A	40063A	BG-HVH-1	7:57	22.8	22.8	22.3											
07-Sep-09	A	40063A	BG-HVH-2	8:03	41.0	37.4	34.3	41.0	40.3									
07-Sep-09	A	40063A	BG-HVH-3	8:25	44.4	42.1	43.2	44.4	43.9									
07-Sep-09	A	40063A	BG-HVH-4	8:22	42.7	40.1	42.6	37.6	37.9	39.0	38.2	37.1	42.0	42.7				
07-Sep-09	A	40063A	BG-HVH-5	8:00	39.9	28.0	28.6	28.7	28.7	39.9	31.7	38.2						
07-Sep-09	B	40063B	BGW-1	16:17	39.9	38.6	39.9	39.7										
07-Sep-09	B	40063B	BGW-2	16:25	104.2	31.2	41.0	69.2	84.8	99.6	104.2							
07-Sep-09	B	40063B	BGW-3	16:29	95.4	30.7	35.9	51.8	95.4									
07-Sep-09	B	40063B	BGE-6	17:00	41.9	32.1	41.0	41.9										
07-Sep-09	B	40063B	BGE-5	17:01	42.7	39.3	42.4	38.7	39.9	37.8	37.1	36.4	39.2	42.2	42.7	41.5	42.5	
07-Sep-09	B	40063B	BGE-4	17:05	39.2	38.7	37.7	37.9	38.9	39.2	37.7	35.8	34.8	38.1				
07-Sep-09	B	40063B	BGE-3	17:14	78.2	37.6	37.3	38.3	39.7	41.5	45.9	48.7	47.3	42.9	56.5	68.5	78.2	
07-Sep-09	B	40063B	BGE-2	17:19	58.3	37.9	35.1	38.1	41.9	43.5	48.1	51.9	58.3					
07-Sep-09	B	40063B	BGE-1		0.0													
07-Sep-09	B	40063B	BG-HVH-1	16:34	22.5	20.1	22.5											
07-Sep-09	B	40063B	BG-HVH-2	16:44	41.2	35.2	36.5	41.2	36.2									
07-Sep-09	B	40063B	BG-HVH-3	17:23	49.9	40.4	38.6	41.2	49.9									
07-Sep-09	B	40063B	BG-HVH-4	17:26	37.8	37.8	35.5	36.2	36.5	33.8	34.2	32.5	32.0	35.5				
07-Sep-09	B	40063B	BG-HVH-5	16:39	43.2	43.2	38.4	30.9	29.3	25.9	24.5	25.9						

From: Stéphane Robert
Sent: Thursday, September 10, 2009 2:28 PM
To: Stéphane Robert; 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 9
Attachments: Bay-Goose Broad Map 9 September 2009.pdf; Bay-Goose TSS Figure 9 September 2009.pdf; Turbidity Data Input Sept 9 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations yesterday, plus a few broad survey stations in Second and Third Portage Lakes. Overall, TSS levels have not changed much over the last 3 days. We detected elevated turbidity at depth at BGE-3 (particularly in the afternoon), and a bit at BGE-2, but all other stations appear to be vertically mixed.

Key results are as follows:

- TSS levels in Second Portage Lake remain low. Compared to the last survey in Second Portage Lake (three days ago), TSS has increased at bit at station SP-1, probably as a result of recent winds from the south.
- Sampling at the boundary between the east and north basins of Third Portage Lake indicates that there is little or no movement of turbid water towards the north basin.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 16 mg/L (11.1 to 36.2 mg/L) - Limit is 50 mg/L All stations are below the 24 –hour TSS triggers.

Monthly mean (30 days): 27.3 mg/L (6.4 to 101.1 mg/L) - Limit is 15 mg/L. Five stations exceed the monthly mean BGW-2, BGE-2, BG-3, BGE-4 and BGE-5 (20.3 to 100.5 mg/l vs 15 mg/l).

Four station exceed the monthly mean for the HVH, BGHVH-2 to BGHVH-5 (7.7 to 9.1 mg/L vs 6 mg/L)

If daily TSS results remain the same or start to decline, we can expect the 7-day averages to follow a similar pattern. The 30-day averages could continue to increase for a few days at most stations because of a time-lag effect.

We continue to work on the reparation of the turbidity curtain.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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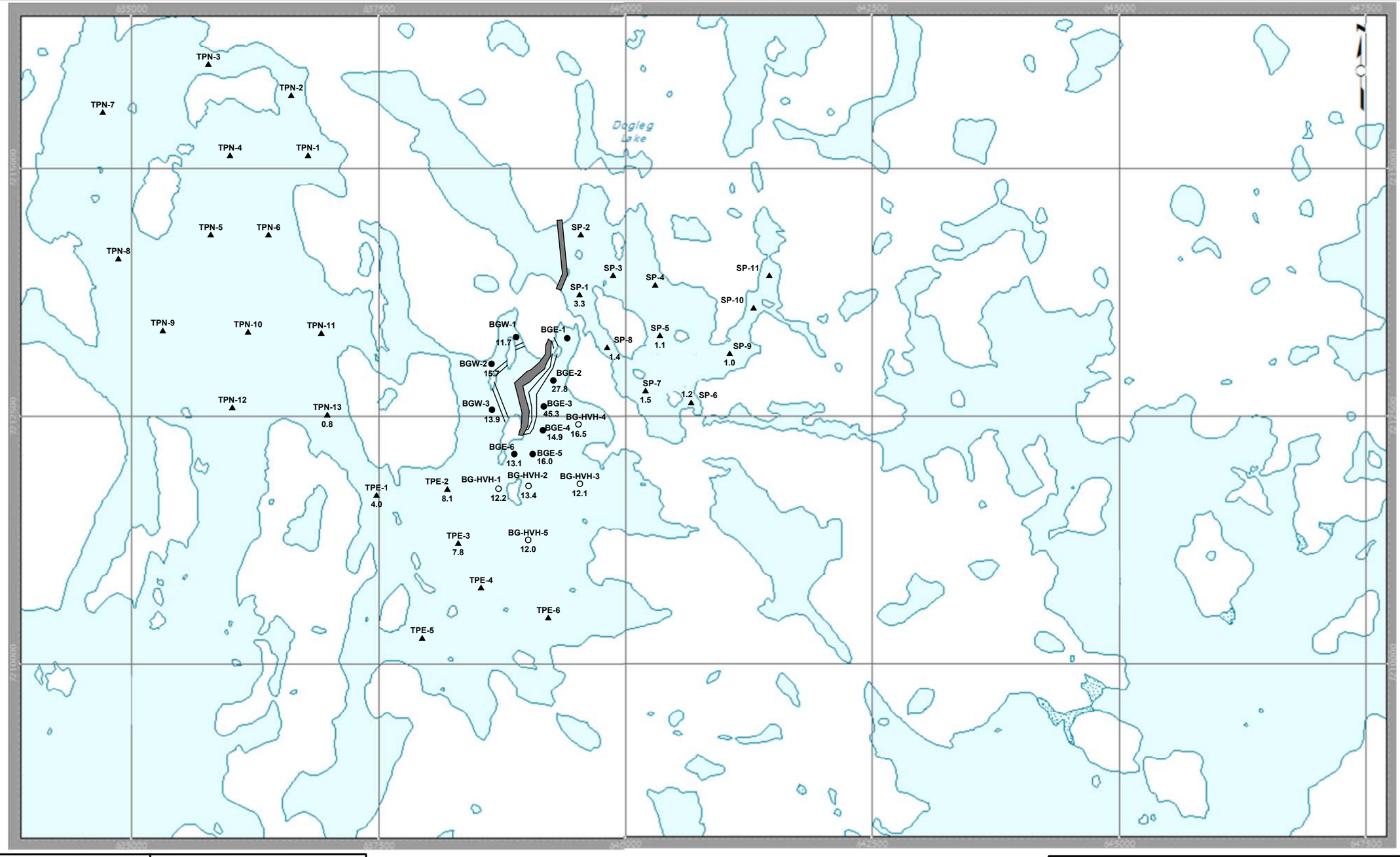


Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

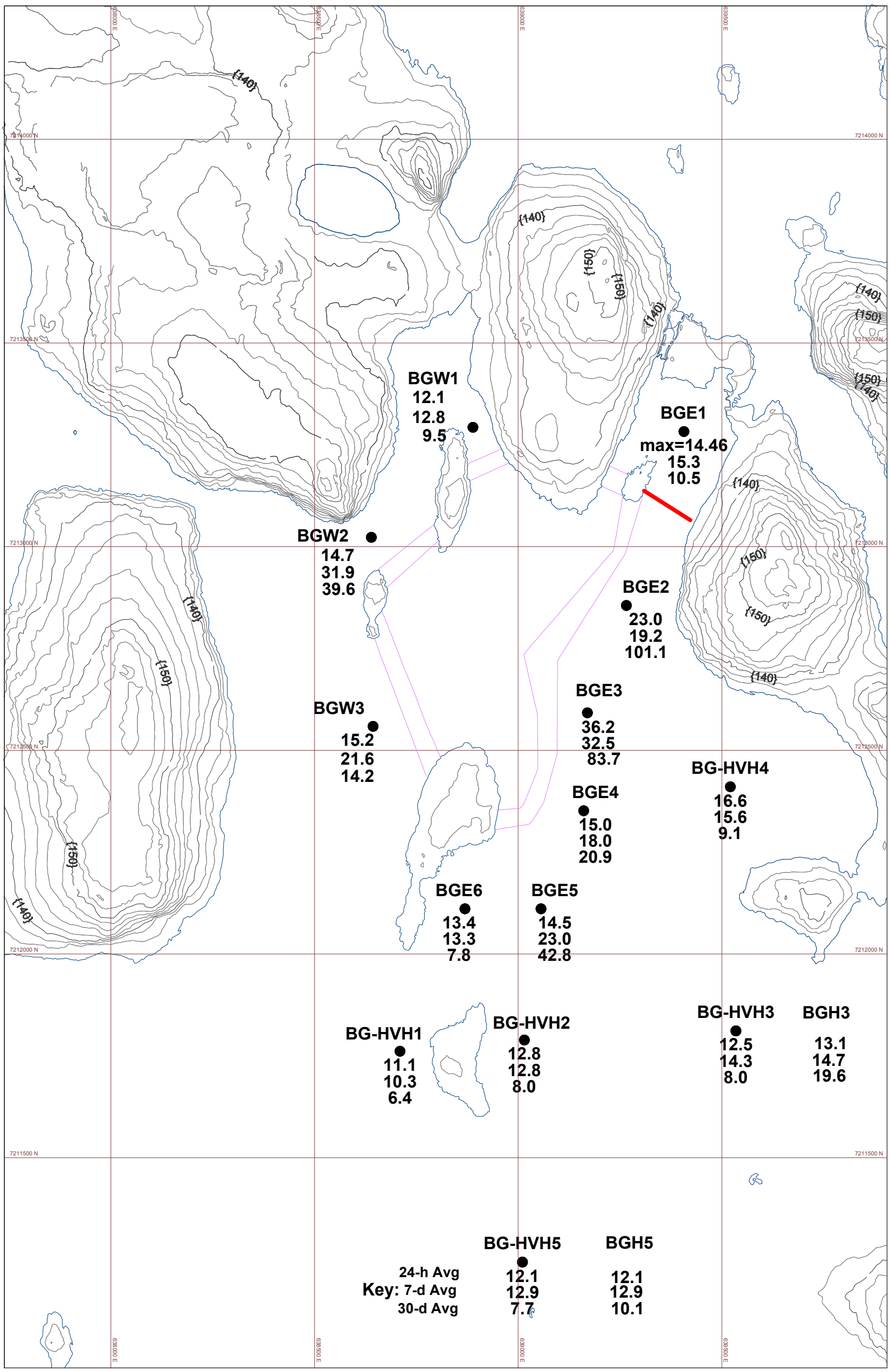
Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 9, 2009.

BAY-GOOSE BROAD MAP.GRF



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 9, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
09-Sep-09	A	40065A	BGW-1	7:45	38.9	35.9	37.5	38.9										
09-Sep-09	A	40065A	BGW-2	7:50	43.5	41.2	39.3	41.0	43.5	41.1	40.8							
09-Sep-09	A	40065A	BGW-3	7:55	53.6	32.7	35.1	53.2	53.6									
09-Sep-09	A	40065A	BGE-6	8:14	43.0	33.9	35.0	43.0										
09-Sep-09	A	40065A	BGE-5	8:17	40.7	36.3	37.8	36.4	36.3	36.8	36.3	40.4	40.7	40.6	40.6	35.4	31.8	
09-Sep-09	A	40065A	BGE-4	8:20	48.8	42.2	45.9	41.8	42.5	42.3	43.1	44.6	48.2	48.8				
09-Sep-09	A	40065A	BGE-3	8:25	96.9	42.4	43.8	44.0	43.5	45.9	47.8	50.0	48.5	63.0	75.1	84.9	96.9	
09-Sep-09	A	40065A	BGE-2	8:28	59.9	51.4	52.6	52.4	52.9	52.5	55.5	53.9	59.9					
09-Sep-09	A	40065A	BGE-1	9:42	46.3	46.3	44.0	44.0	42.1									
09-Sep-09	A	40065A	BG-HVH-1	8:01	29.9	29.9	28.5											
09-Sep-09	A	40065A	BG-HVH-2	8:11	37.8	31.1	32.9	34.0	37.8									
09-Sep-09	A	40065A	BG-HVH-3	8:43	44.8	38.9	36.9	38.4	40.0	39.4	36.8	36.6	38.4	44.8				
09-Sep-09	A	40065A	BG-HVH-4	8:39	55.0	49.3	47.5	50.4	55.0									
09-Sep-09	A	40065A	BG-HVH-5	8:07	37.6	37.6	32.5	27.4	25.4	25.9	25.6							
09-Sep-09	B	40065B	BGW-1	15:41	36.0	36.0	35.8	34.0										
09-Sep-09	B	40065B	BGW-2	15:45	51.2	34.4	38.3	43.4	44.9	47.2	51.2							
09-Sep-09	B	40065B	BGW-3	15:49	44.3	30.1	32.9	39.3	44.3									
09-Sep-09	B	40065B	BGE-6	16:03	41.2	39.8	41.2	38.6										
09-Sep-09	B	40065B	BGE-5	16:08	52.2	45.0	40.7	39.4	38.1	37.3	36.2	36.0	36.0	35.8	37.5	40.7	52.2	
09-Sep-09	B	40065B	BGE-4	16:08	48.0	44.9	44.6	44.6	44.9	45.1	42.0	40.8	42.4	48.0				
09-Sep-09	B	40065B	BGE-3	16:14	182.0	44.3	46.3	46.4	48.8	47.5	51.9	62.5	130.9	147.8	159.9	167.2	182.0	
09-Sep-09	B	40065B	BGE-2	16:43	101.3	48.8	48.4	47.2	51.9	63.0	65.1	81.2	101.3					
09-Sep-09	B	40065B	BG-HVH-1	15:54	37.8	37.8	34.4											
09-Sep-09	B	40065B	BG-HVH-2	16:00	42.1	38.9	39.9	39.9	42.1									
09-Sep-09	B	40065B	BG-HVH-3	17:00	37.4	37.4	36.4	34.4	32.7	33.6	36.9	30.4	30.8	32.0				
09-Sep-09	B	40065B	BG-HVH-4	16:48	54.3	47.9	54.3	50.4	42.3									
09-Sep-09	B	40065B	BG-HVH-5	15:57	36.9	36.1	36.9	34.9	33.5	30.7	30.4							

From: Stéphane Robert
Sent: Friday, September 11, 2009 4:09 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 10
Attachments: Bay-Goose TSS Figure 10 September 2009.pdf; Turbidity Data Input Sept 10 2009.pdf

Hi

Two rounds of sampling were conducted at the routine stations today (except BGE-1 due to winds). Key results are as follows:

- Almost all of the BGW and BGE stations showed slight decreases in 24-hour and 7-day average TSS levels

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 15.3 mg/L (10.8 to 30.2 mg/L) - Limit is 50 mg/L All stations are below the 24 –hour TSS triggers.

Monthly mean (30 days): 27.7 mg/L (6.9 to 101.6 mg/L) - Limit is 15 mg/L. Five stations exceed the monthly mean BGW-2, BGE-2, BG-3, BGE-4 and BGE-5 (21.2 to 101.6 mg/l vs 15 mg/l).

Five station exceed the monthly mean for the HVH, BGHVH-2 to BGHVH-5 (6.9 to 9.5 mg/L vs 6 mg/L)

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
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Phone: 819-759-3700 ext. 814
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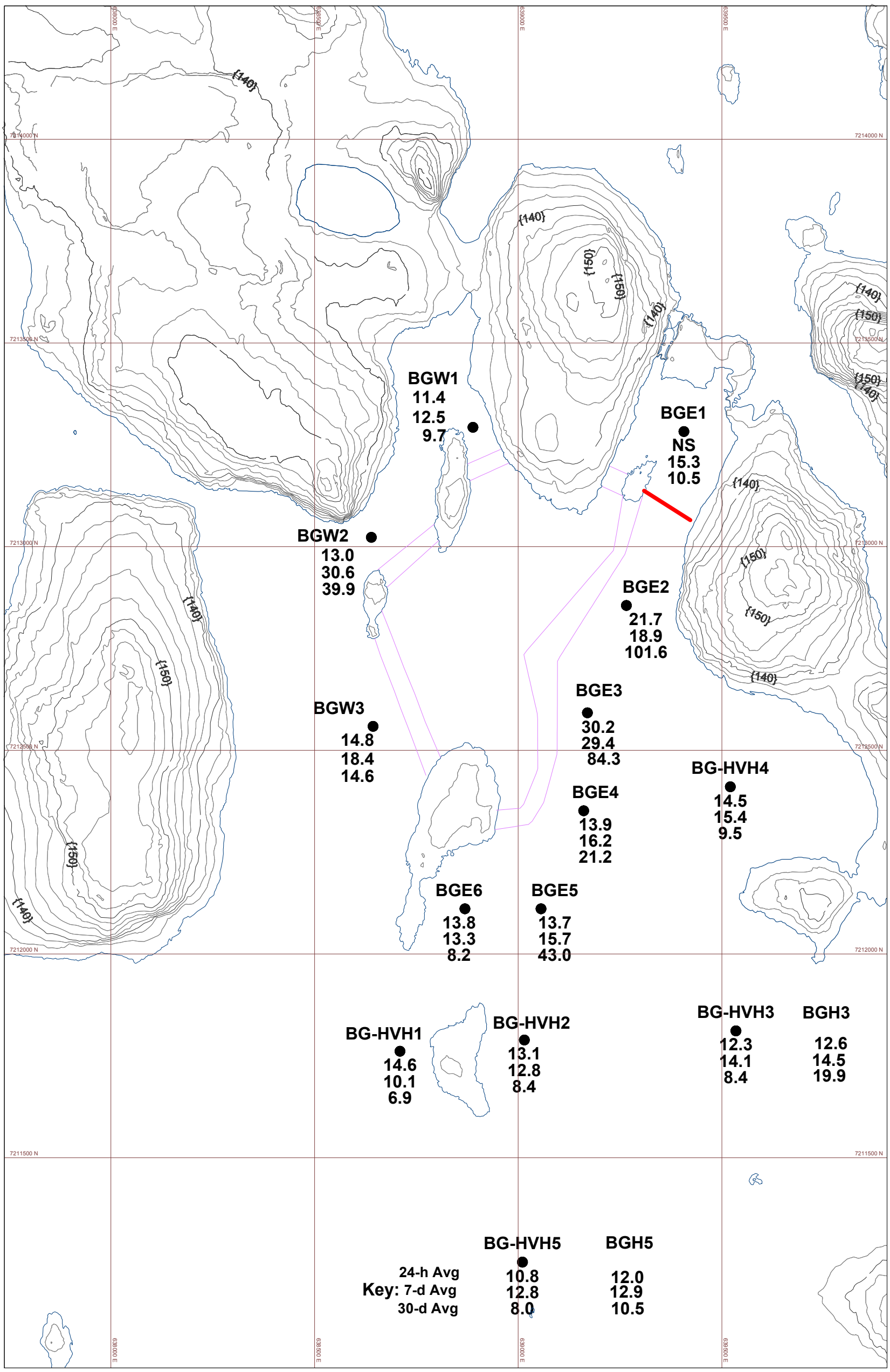
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 10, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Date	Event	Date/Event	Station	Time	Max	0m	2m	4m	6m	8m	10m	12m	14m	16m	18m	20m	22m	24m
10-Sep-09	A	40066A	BGW-2	9:43	35.5	23.4	24.8	24.4	24.7	27.2	35.5							
10-Sep-09	A	40066A	BGW-3	9:35	50.0	37.2	44.5	45.9	50.0									
10-Sep-09	A	40066A	BGE-6	8:48	46.0	37.6	39.4	46.0										
10-Sep-09	A	40066A	BGE-5	8:44	39.4	35.8	35.8	34.8	34.5	35.1	34.9	34.9	34.1	34.3	34.9	36.0	39.4	
10-Sep-09	A	40066A	BGE-4	8:39	42.7	37.6	37.0	40.3	38.1	42.7	41.2	34.6	35.9	39.6				
10-Sep-09	A	40066A	BGE-3	8:30	74.5	43.7	44.4	42.5	47.2	47.3	51.5	54.5	50.7	50.1	55.6	63.2	74.5	
10-Sep-09	A	40066A	BGE-2	8:26	65.7	59.0	53.5	54.6	53.5	53.9	52.9	63.6	65.7					
10-Sep-09	A	40066A	BG-HVH-1	9:23	50.1	42.0	50.1											
10-Sep-09	A	40066A	BG-HVH-2	9:08	42.2	32.5	34.4	38.4	42.2									
10-Sep-09	A	40066A	BG-HVH-3	9:01	40.5	39.8	31.0	33.0	34.5	36.4	40.5	37.2	39.5	38.0				
10-Sep-09	A	40066A	BG-HVH-4	8:33	43.0	36.0	40.5	40.9	43.0									
10-Sep-09	A	40066A	BG-HVH-5	9:13	36.2	23.9	25.0	27.5	27.7	27.0	27.1	36.2						
10-Sep-09	B	40066B	BGW-1	15:05	33.3	30.2	33.3	32.9										
10-Sep-09	B	40066B	BGW-2	15:10	27.8	19.7	21.9	22.2	26.4	25.6	27.8							
10-Sep-09	B	40066B	BGW-3	15:17	48.5	39.4	41.5	44.4	48.5									
10-Sep-09	B	40066B	BGE-6	15:46	42.9	41.2	42.7	42.9										
10-Sep-09	B	40066B	BGE-5	15:49	36.1	36.0	36.0	32.8	33.5	34.6	32.7	34.9	34.9	32.8	36.1	34.2	34.0	
10-Sep-09	B	40066B	BGE-4	15:57	41.3	37.5	41.3	31.6	34.6	36.9	33.1	33.3	33.7	35.9				
10-Sep-09	B	40066B	BGE-3	16:02	79.3	41.1	42.0	43.1	43.3	44.7	45.6	45.5	55.9	46.3	57.6	69.2	79.3	
10-Sep-09	B	40066B	BGE-2	16:08	52.1	43.2	40.9	41.3	41.7	43.3	50.7	50.4	52.1					
10-Sep-09	B	40066B	BG-HVH-1	15:26	59.9	59.9	54.5											
10-Sep-09	B	40066B	BG-HVH-2	15:41	35.5	31.4	33.1	35.5	32.0									
10-Sep-09	B	40066B	BG-HVH-3	15:23	38.3	30.0	31.0	30.5	32.3	32.8	35.6	34.0	33.8	38.3				
10-Sep-09	B	40066B	BG-HVH-4	16:13	39.9	36.7	37.9	37.2	39.9									
10-Sep-09	B	40066B	BG-HVH-5	15:35	40.0	28.3	32.2	28.0	32.9	40.0	33.9	32.1						

From: Stéphane Robert
Sent: Saturday, September 12, 2009 4:52 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 11
Attachments: Bay-Goose TSS Figure 11 September 2009.pdf; Bay-Goose Broad Map 11 September 2009.pdf; Reparation of the turbidity curtain Sept 11 2009.jpg; Bay Goose Dike sept 11 2009.jpg; Inlet of Second Portage Lake sept 11 2009.jpg

Hi

One round of sampling was conducted at the routine stations yesterday except BGE-1. We also did a broad survey in Second Portage Lake. Key results are as follows:

- All stations showed decreases in 24-hour and 7-day average TSS levels (except BGHVH-1 for both, and BGHVH-5 for 24-hr only). Decreases were most noticeable at BGE-2 and BGE-3.
- There was almost no indication of vertical profiles at any stations (slight exception at BGE-3). The water is well mixed.
- TSS levels in Second Portage Lake remain quite low (max = 3.2 mg/L), and are comparable to other broad surveys over the past few days.

The average TSS concentration for the 14 stations is:

Short-term (24-hr): 13.5 mg/L (9.7 to 21.2 mg/L) - Limit is 50 mg/L All stations are below the 24 –hour TSS triggers.

Monthly mean (30 days): 28 mg/L (7.2 to 102 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1 and BGE-6.

All station exceed the monthly mean for the HVH, BGHVH-2 to BGHVH-5 (7.2 to 9.8 mg/L vs 6 mg/L)

If you have any question do not hesitate to contact me.

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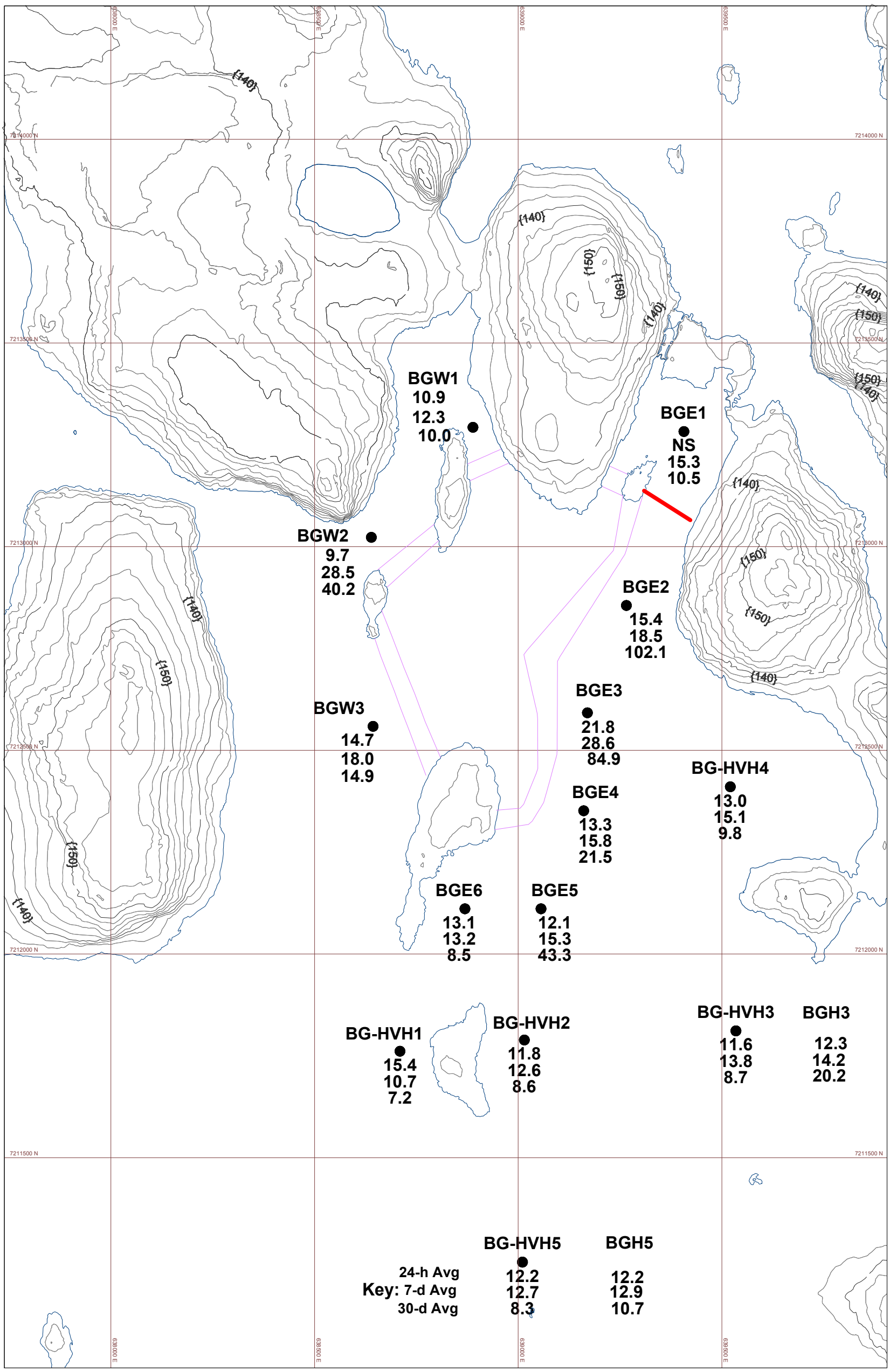


Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

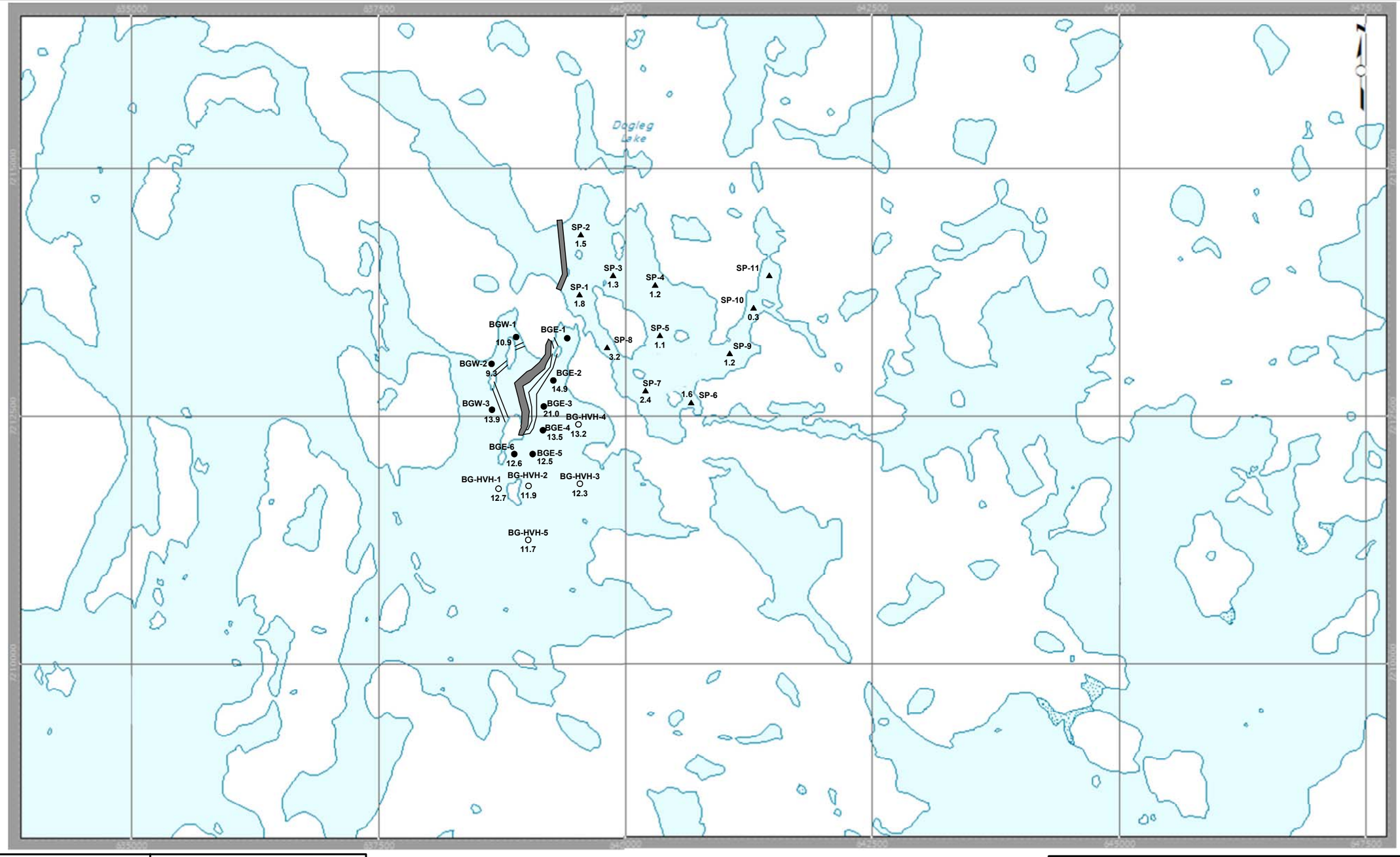
Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 11, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 11, 2009.

BAY-GOOSE BROAD MAP.GRF

Reparation of the turbidity curtain Sept 11 2009

Bay Goose Dike Sept 11 2009

Inlet of Second Portage Lake Sept 11 2009

From: Stéphane Robert
Sent: Monday, September 14, 2009 2:16 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 13
Attachments: Bay-Goose TSS Figure 13 September 2009.pdf; Bay-Goose Broad Map 13 September 2009.pdf

Hi

Two rounds of sampling were conducted at most of the routine stations yesterday, as well as some sampling further out in Third Portage Lake. Key results are as follows:

- Most stations have showed decreases in 24-hour average TSS levels over the last seven days.
- All stations had decreases in 7-day average TSS levels.
- TSS stays in the East basin of the Third Portage Lake

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 11.8 m/L (9.4 to 13.9 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 28.5 mg/L (7.4 to 102.3 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGW-3 and BGE-6.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
Environment superintendent
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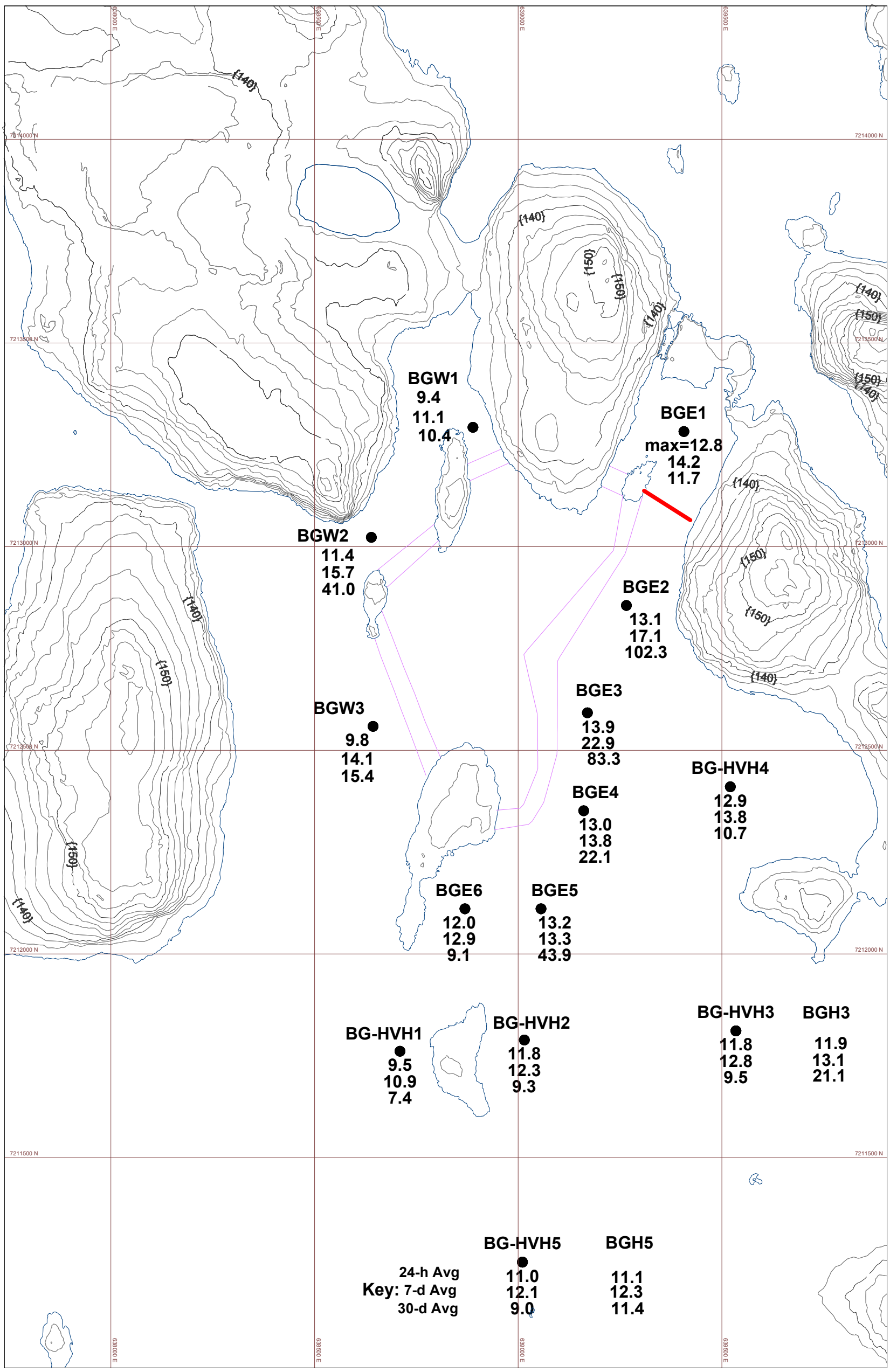
Meadowbank Division
Phone: 819-759-3700 ext. 814
Cel: 819-763-0229
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

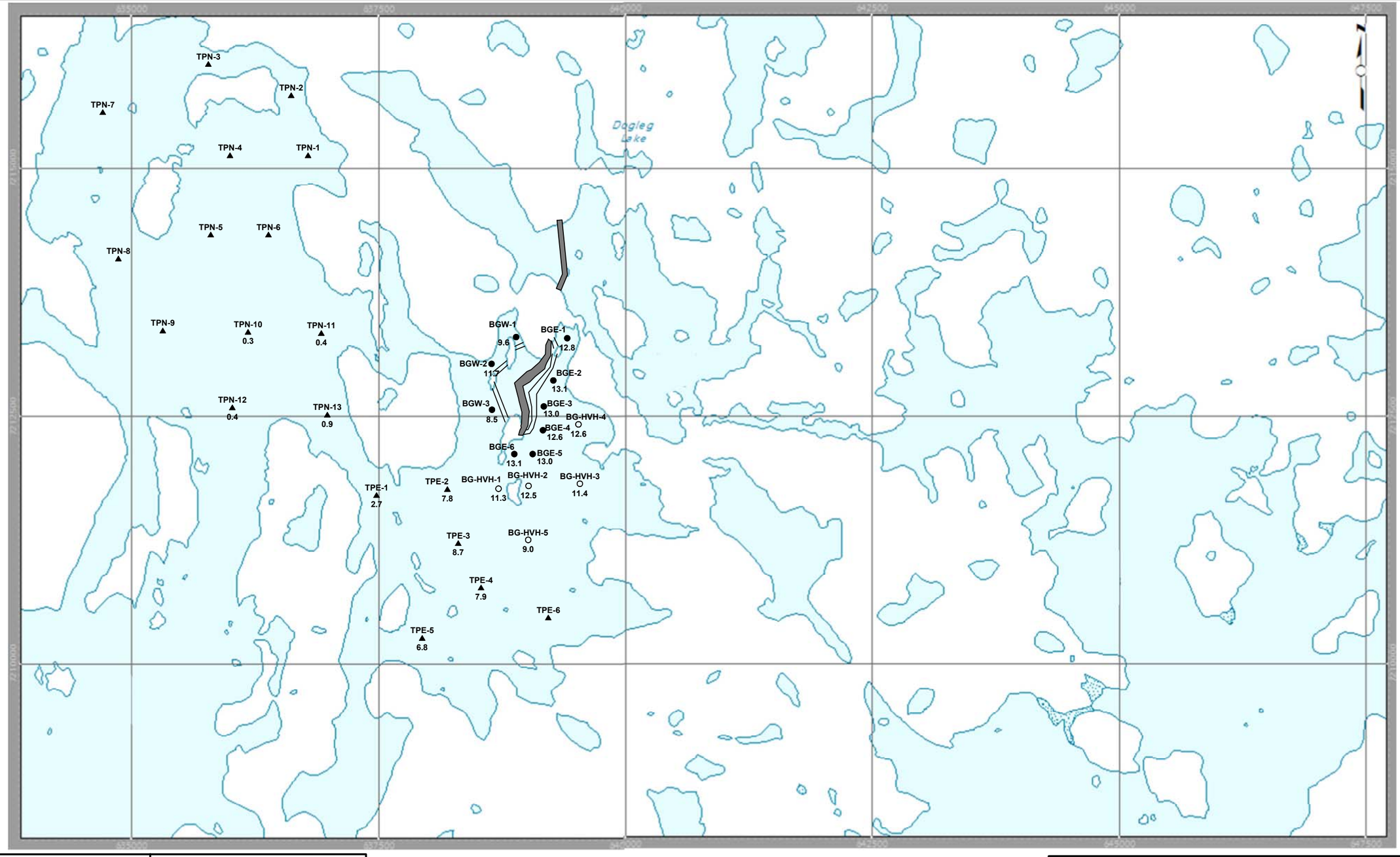
Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 13, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 13, 2009.

BAY-GOOSE BROAD MAP.GRF

From: Stéphane Robert
Sent: Thursday, September 17, 2009 10:43 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 14
Attachments: Bay-Goose TSS Figure 14 September 2009.pdf; Bay-Goose Broad Map 14 September 2009.pdf

Hi

One round of sampling was conducted at the routine stations Sept 14 (except BGE-1), as well as some sampling further out in Third Portage Lake, and some sampling in Second Portage Lake. Key results are as follows:

- Not much change in 24-hour average TSS levels
- All stations had decreases in 7-day average TSS levels except BGHVH-1.
- Some stations had slight decreases in 30-day average TSS levels while others had slight increases.
- There was no indication of turbidity at depth at any stations
- TSS levels remain low at the entrance to the north basin of Third Portage Lake.
- TSS levels in Second Portage are similar to the last couple of broad surveys. With the south wind, station SP-1 has the highest TSS concentration, at 3.1 mg/L.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 11.7 m/L (9.1 to 13.3 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 28.5 mg/L (7.6 to 102 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1, BGW-3 and BGE-6.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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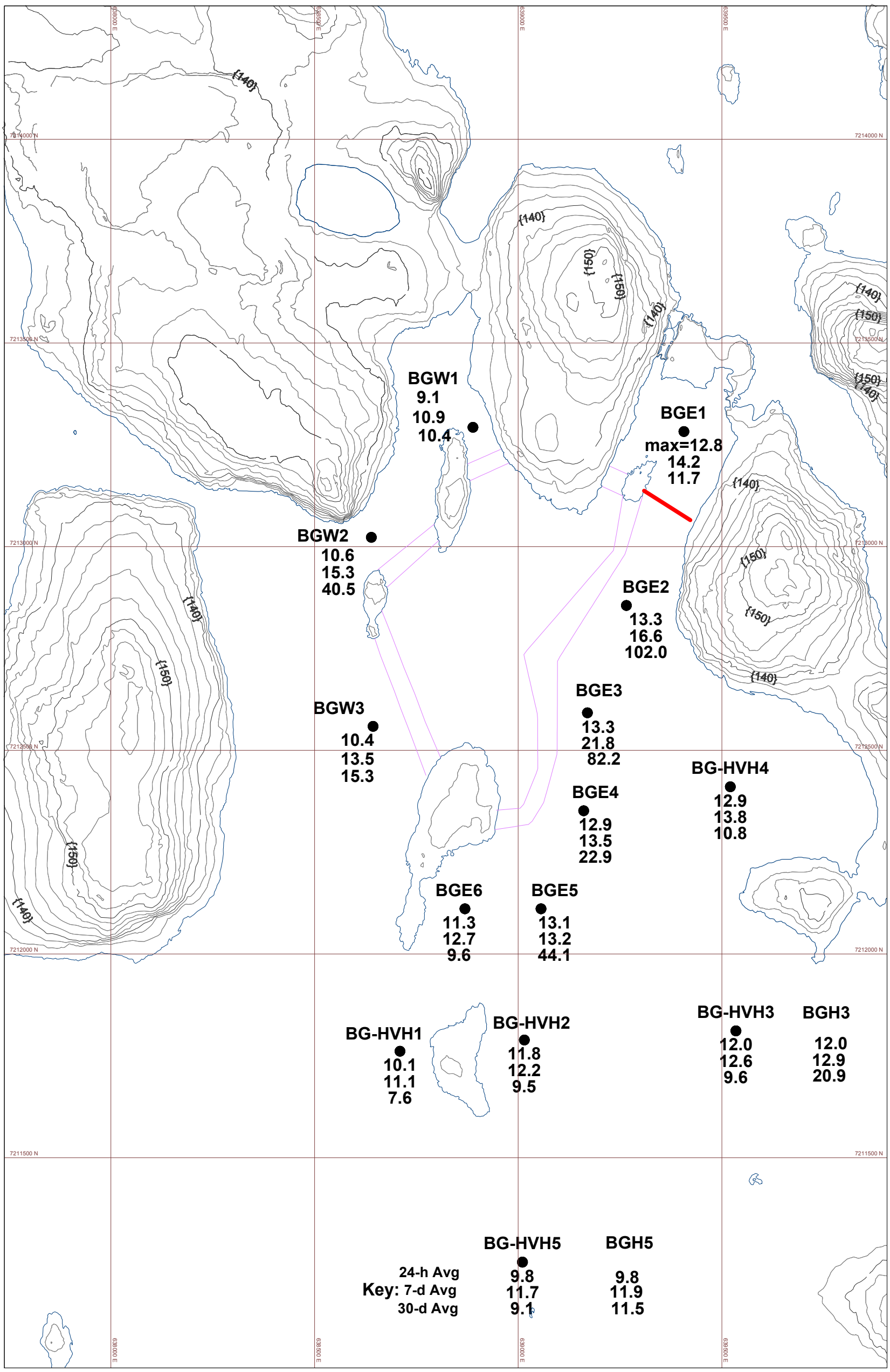
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

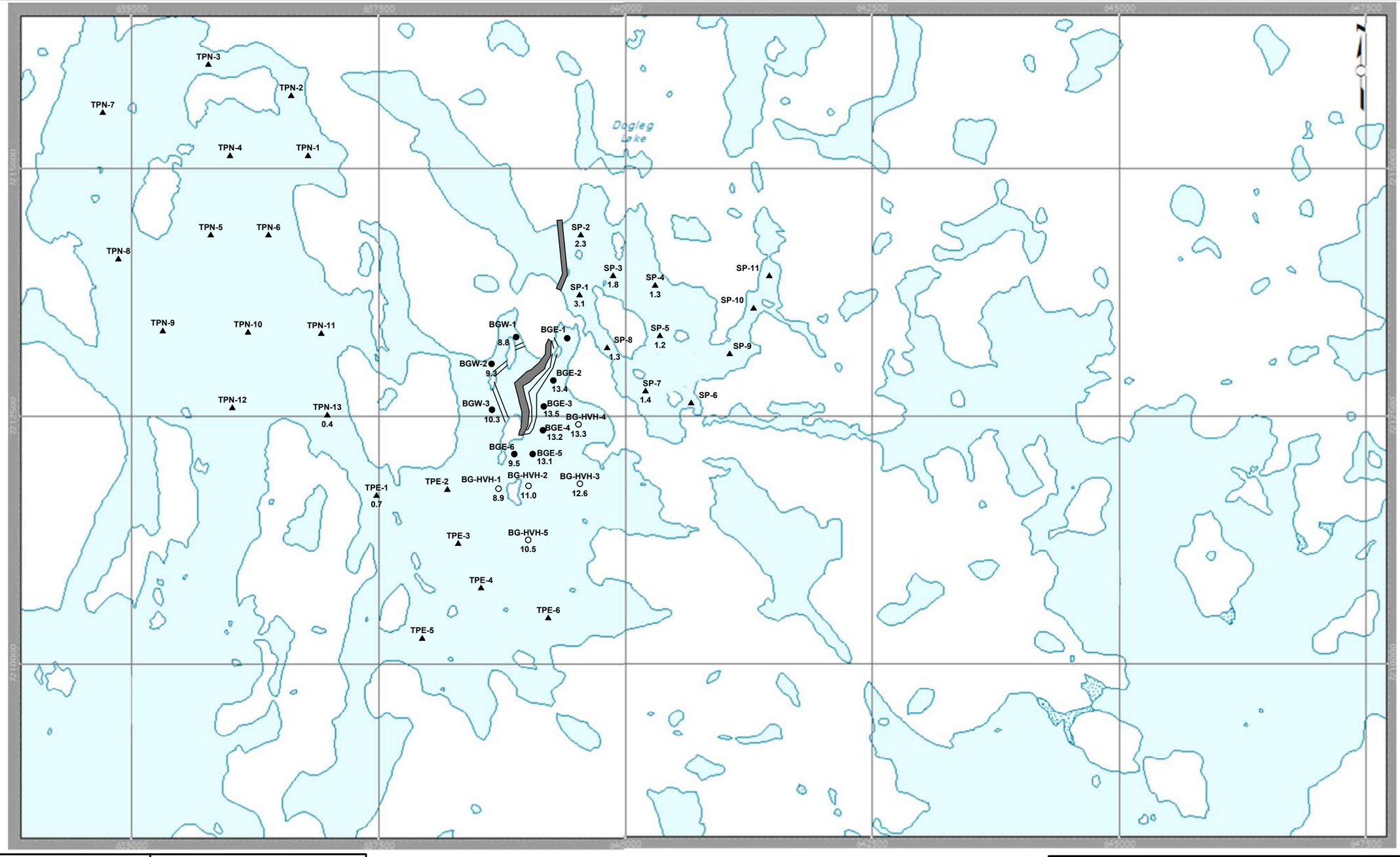
Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 14, 2009 17:30
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 14, 2009.

BAY-GOOSE BROAD MAP.GRF

From: Stéphane Robert
Sent: Thursday, September 17, 2009 10:40 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 15
Attachments: Bay-Goose TSS Figure 15 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations Sept 15. Winds were around 30 km/hr from the SSE early this morning, but veered around to the NNW in the afternoon and fell to around 18 km/hr. Key results are as follows:

- Most stations showed a slight decrease in 24-hour average (or 24-hr maximum) TSS levels over the last 14 days.
- All stations had decreases in 7-day average TSS levels, except BGHVH-1, which increased slightly.
- The 30-day average TSS levels are still increasing slightly, showing the strong influence of the deep turbid plume that prevailed in late August.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 10.6 m/L (7.5 to 13.7 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 28.5 mg/L (7.9 to 102.3 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. It is important to note that the 7-day average TSS concentrations only exceed 15 mg/L at BGE-2 and BGE-3 (i.e., conditions are improving).

If you have any question do not hesitate to contact me.

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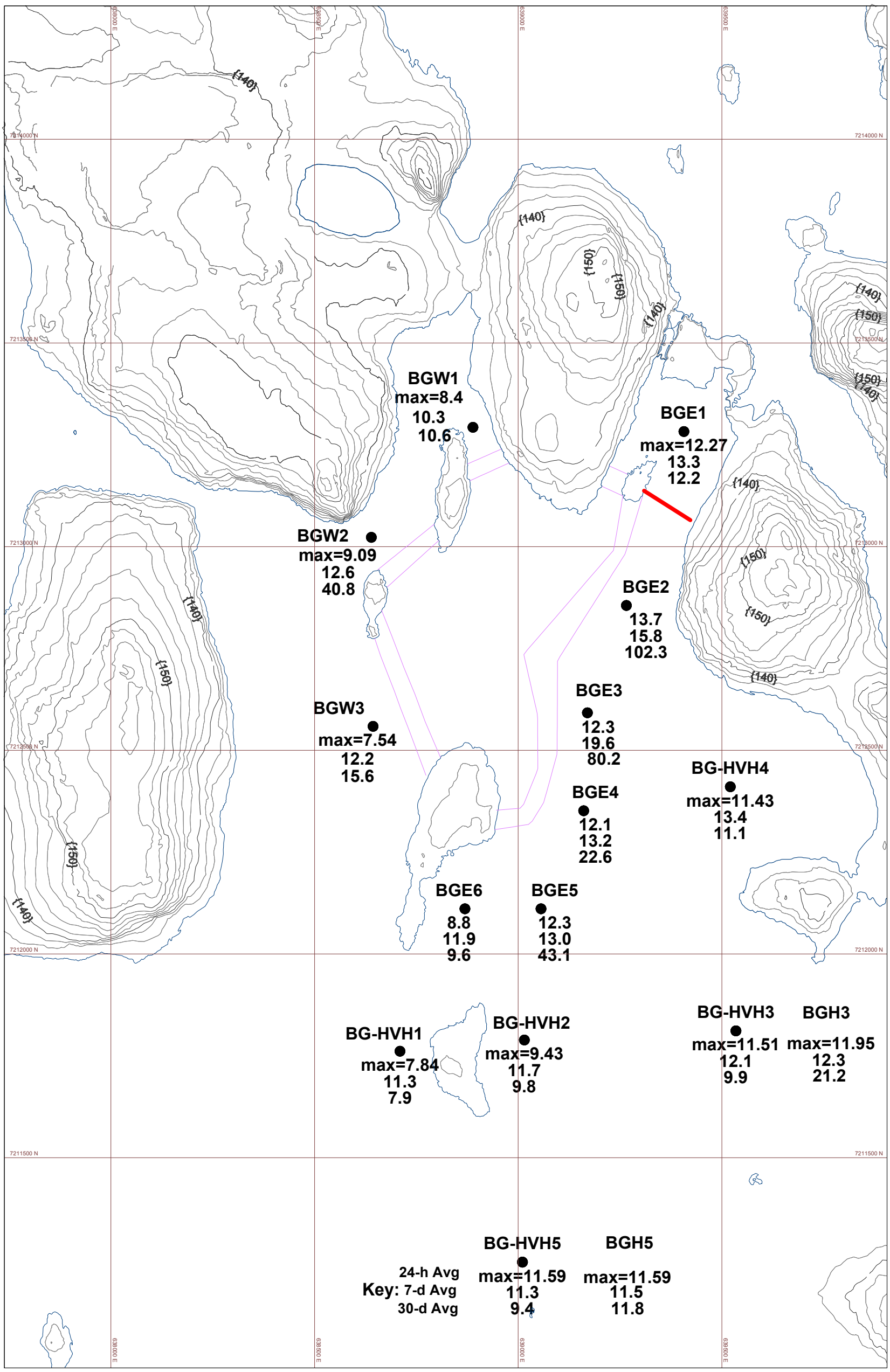

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 15, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Thursday, September 17, 2009 10:39 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 16
Attachments: Bay-Goose TSS Figure 16 September 2009.pdf; Third Portage Outlet Sept 16 2009.jpg; Second Portage Lake Sept 16 2009.jpg; Bay Goose dike construction Sept 16 2009.jpg

Hi

One round of sampling was conducted at all routine stations yesterday. Winds were moderate to strong today from the NNW (~30 km/hr gusting to 40+ this afternoon).

Key results are as follows:

- Most stations again showed a slight decrease in 24-hour average (or 24-hr maximum) TSS levels.
- All stations had decreases in 7-day average TSS levels, highlighting the improving conditions.
- The 30-day average TSS levels are still increasing slightly at most stations, showing the strong influence of the deep turbid plume that prevailed in late August.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

We finished yesterday the backfill of the aggregate in the trench. The TSS generation is actually completely finished.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 9.71 m/L (8 to 11 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since 15 days, the average short term TSS concentration went to 54 mg/L to 9.71 mg/L

Monthly mean (30 days): 28.34 mg/L (8.3 to 103 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations only exceed 15 mg/L at BGE-3. Since 15 days, the average 7-day TSS concentration went to 48.4 mg/L to 12.2 mg/L

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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Meadowbank Division
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Cel: 819-763-0229
stephane.robert@agnico-eagle.com

From: Stéphane Robert
Sent: Monday, September 14, 2009 4:16 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 13

Hi

Two rounds of sampling were conducted at most of the routine stations yesterday, as well as some sampling further out in Third Portage Lake. Key results are as follows:

- Most stations have showed decreases in 24-hour average TSS levels over the last seven days.
- All stations had decreases in 7-day average TSS levels.
- TSS stays in the East basin of the Third Portage Lake

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 11.8 m/L (9.4 to 13.9 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 28.5 mg/L (7.4 to 102.3 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGW-3 and BGE-6.

If you have any question do not hesitate to contact me.

Stéphane Robert
Environment superintendent
Agnico-Eagle
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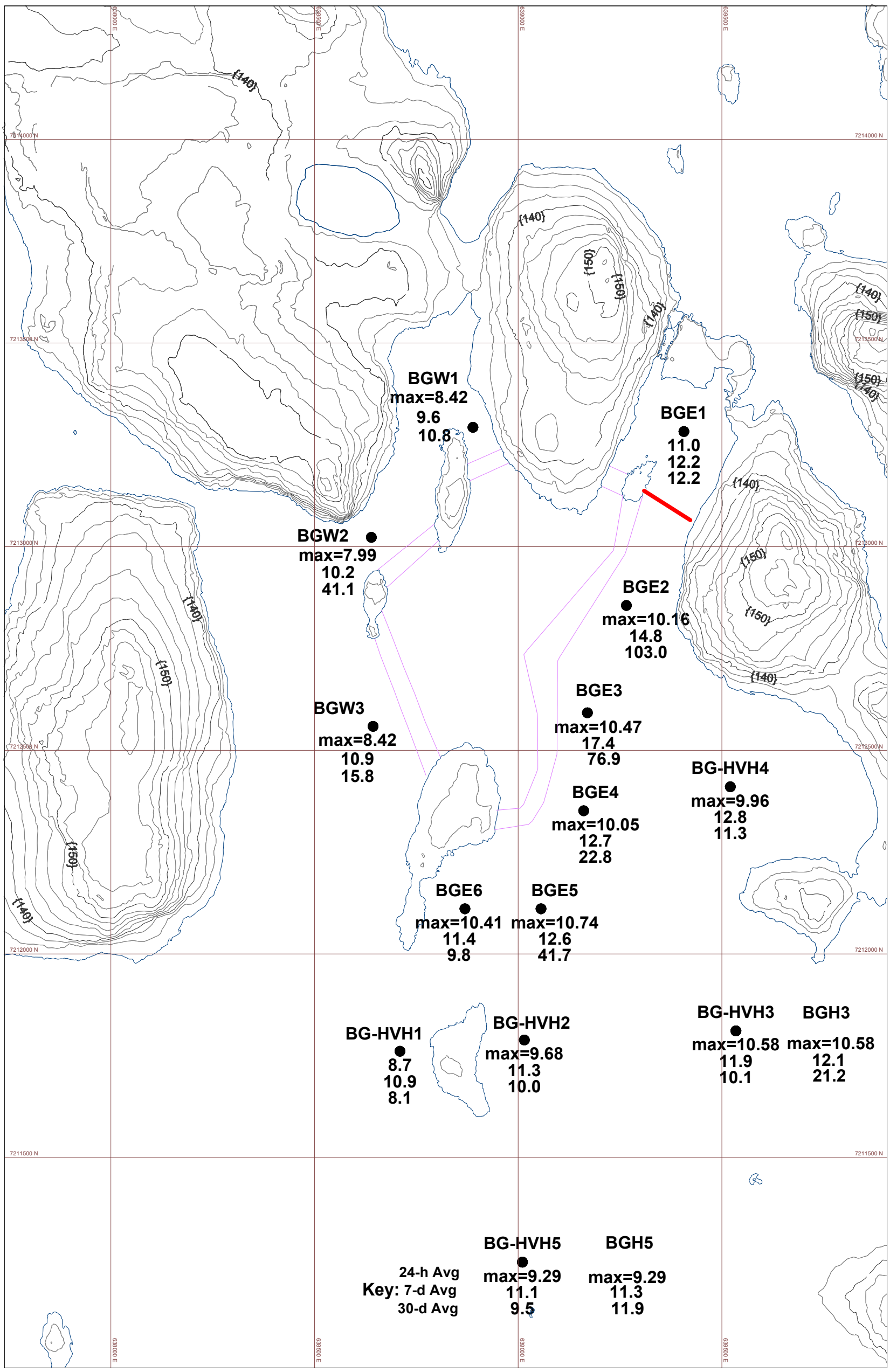
Phone: 819-759-3700 ext. 814
Cel: 819-763-0229
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 16, 2009 19:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

Bay-Goose Dike Construction Sept 16 2009

Second Portage Lake Sept 16 2009

Third Portage Outlet Sept 16 2009

From: Stéphane Robert
Sent: Friday, September 18, 2009 5:52 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 17
Attachments: Bay-Goose TSS Figure 17 September 2009.pdf; Bay-Goose Broad Map 17 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations yesterday. Winds were light, but are expected to strengthen (from S) with the front coming today.

Key results are as follows:

- Most stations again showed a slight decrease in 24-hour average (or 24-hr maximum) TSS levels.
- All stations had decreases in 7-day average TSS levels, highlighting the improving conditions.
- The 30-day average TSS levels are still increasing slightly at most stations, showing the strong influence of the deep turbid plume that prevailed in late August.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.
- The broad survey results continue to show limited sediment migration from the east basin. Both Tehek and Third Portage N showed low TSS concentrations.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 8.74 m/L (6.5 to 10.5 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since 16 days, the average short term TSS concentration went to 54 mg/L to 8.74 mg/L

Monthly mean (30 days): 28.43 mg/L (8.4 to 104 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since 15 days, the average 7-day TSS concentration went to 48.4 mg/L to 10.9 mg/L.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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Meadowbank Division
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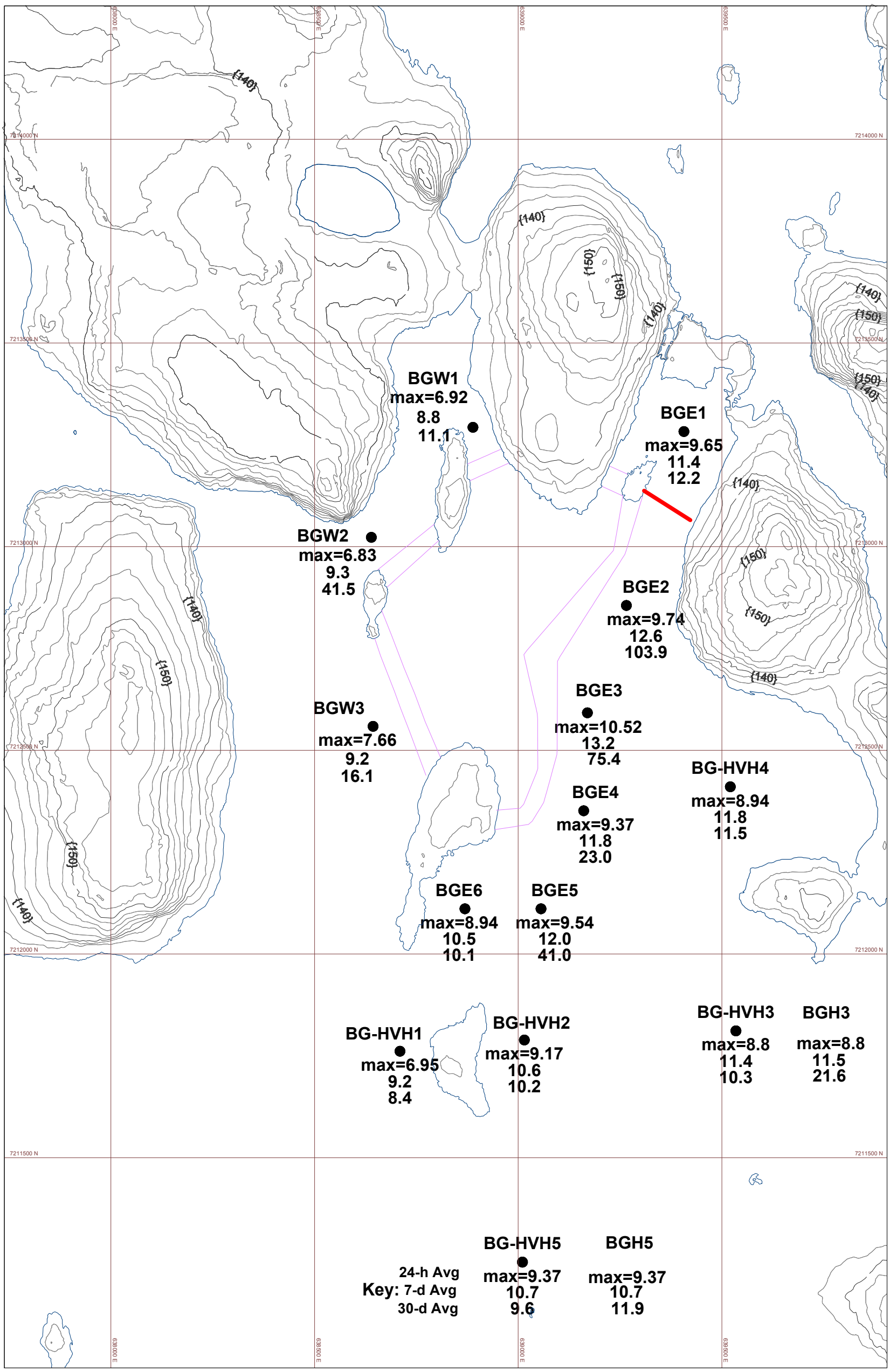
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

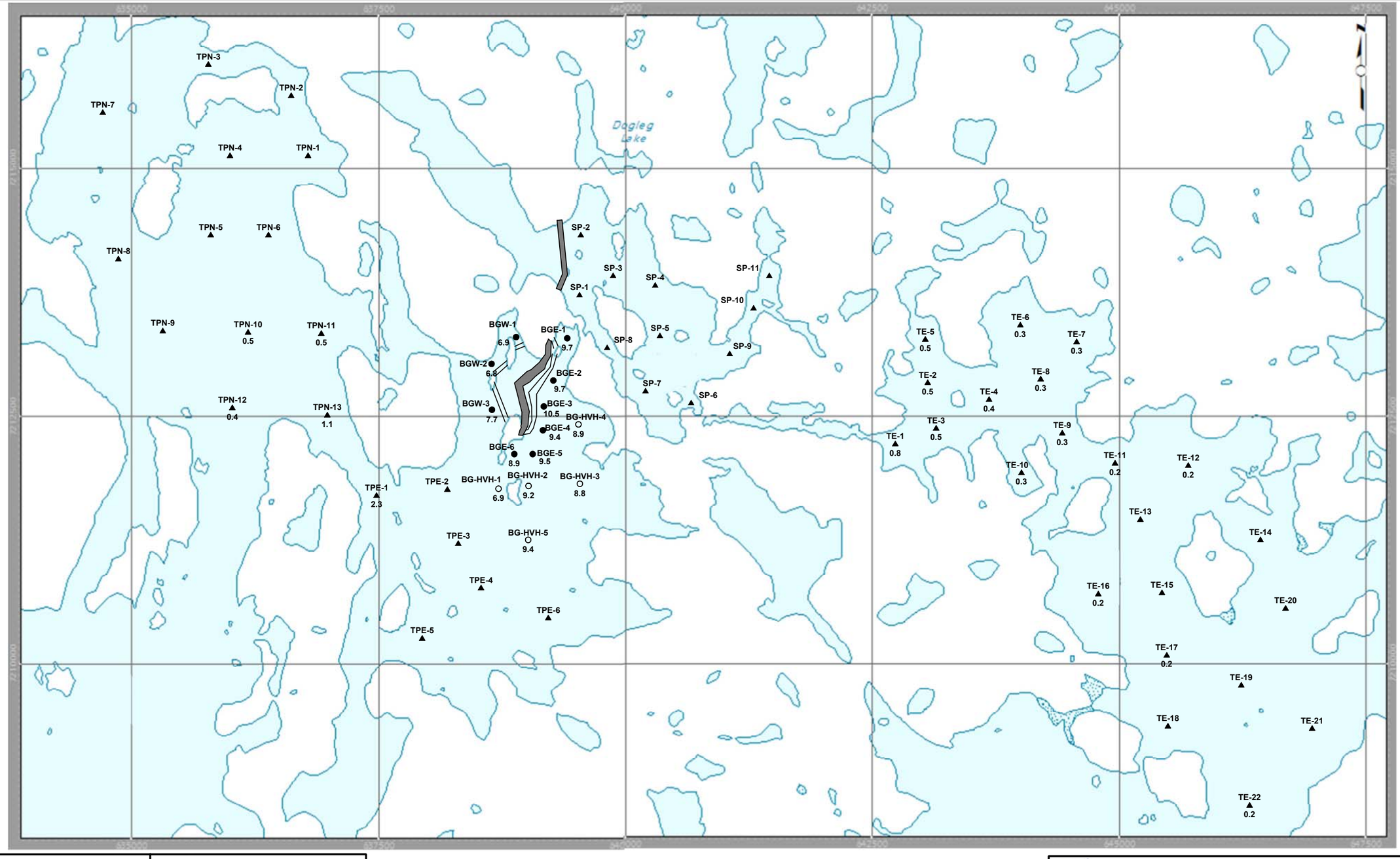
Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 17, 2009 22:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 17, 2009.

BAY-GOOSE BROAD MAP.GRF

From: Stéphane Robert
Sent: Friday, September 18, 2009 12:10 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde; Ryan Vanengen
Subject: Effect assesment strategy for the Bay Goose Dike construction
Attachments: TPE 2009 TSS Effects Monitoring Strategy Technical Memorandum 9 Sept 09.pdf; Sed Trap deployment summer 2009.pdf

Hi

You will find a technical memorandum outlying our strategy for assessing potential ecological effects in Third Portage Lake and other relevant receiving environments during the Bay Goose Dike construction in 2009.

Also, we will find the sedimentation trap location for the Bay Goose Dike construction in 2009. Currently we have 19 traps deployed. The plan would have 15 traps deployed for the winter. We are proposing 4 reference traps (2 in Third Portage South Basin, and two in Tehek) because there is a chance we will lose some traps as happened with last year's winter traps.

Second Portage:

- pull and process all of the traps
- re-deploy SP-ST1, SP-ST6, SP-ST8 for the winter.
- Also re-deploy SP-ST7 (drilltrail arm)

Third Portage:

- pull and process all of the traps
- re-deploy all of the traps within 1-2 days of pulling.
- add two traps in Third Portage South Basin as reference (less likely to be influenced by dewatering than the North Basin)

Tehek:

- pull and process all of the traps (we may combine sediment from some traps if volumes are too small, or if they are completely empty there will be no analysis at all)
- re-deploy TE-ST1 as a measure of sediment entering Tehek
- re-deploy TE-ST4 and TE-ST5 as reference

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

Stéphane Robert
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stephane.robert@agnico-eagle.com

Technical Memorandum

Date: 9 September 2009

To: Stephane Robert, Ryan Vanengen, Rachel Gould, and Sylvain Doire

Cc:

From: Gary Mann, Ryan Hill and Randy Baker

RE: Bay-Goose Dike Construction 2009 - Effects Assessment Strategy for Elevated TSS in Third Portage Lake

---

Introduction

Bay-Goose Dike construction and associated receiving environment water quality monitoring started on 27 July 2009, following the *Meadowbank Gold Project Water Quality Monitoring and Management Plan for Dike Construction and Dewatering* (March 2009). TSS concentrations have exceeded NWB A Licence limits at one or more locations since mid-August.

Potential effects of total suspended solids (TSS) and turbidity on fish and fish habitat include smothering (e.g., of fish eggs or benthic invertebrates), decreased productivity (i.e., due to reduced light), reduced feeding (i.e., due to limited visibility), and gill clogging/abrasion[1]. Effects are influenced by exposure and duration, as well as the size and shape of suspended particles. Overall, the most sensitive group appears to be salmonids (e.g., lake trout, Arctic char and whitefish), with their early life stages the most at risk.

The purpose of this memorandum is to outline our recommended strategy for assessing potential ecological effects in Third Portage Lake and other relevant receiving environments.

Monitoring Strategy

Given that suspended sediments can directly or indirectly affect the entire range of organisms in the aquatic environment, the strategy needs to address a broad array of concerns. Details of the strategy are presented in **Table 1** (rationale) and **Table 2** (sampling details). The following is an overview:

- *General Sampling Design* – The EAS will use an exposure-reference (or control-impact) design to test for adverse effects due to TSS exposure. Multiple exposure and reference areas will be used to reduce the likelihood that any observed trends (i.e., presence or lack of effects) are due to chance. The exposure areas will be the eastern part of Third Portage east basin (TPE-E), the western part of the east basin (TPE-W) and the central portion of Second Portage Lake (SP-C). These areas were all exposed to construction-related TSS from the Bay-Goose dike; TPE-E typically had the highest TSS exposure (as seen by the BGE series of routine monitoring stations), followed by TPE-W (the BGW series) then by SP-C. The two

[1] The July 2008 *Meadowbank Gold Project Water Quality Monitoring and Management Plan for Dike Construction and Dewatering* contained a review of the potential effects of total suspended solids (TSS) and turbidity on fish and fish habitat, to support the development of site-specific TSS trigger values.

reference areas will be the south basin of Third Portage Lake (TPS) and Drilltrail Arm (DT); TSS concentrations in both areas have consistently been low (i.e., background). Two sampling events will be conducted (toxicity testing will not be conducted the second round unless conditions worsen between events).

- *Water Quality and Limnology* – The most obvious effect of sediment inputs into clear lakes is a noticeable reduction in water clarity and reduced light penetration. There are other possible effects, however, which can be equally significant. These include introduction of metals and nutrients, or other changes to normal conditions (e.g., oxygen reductions). The current weekly water quality monitoring program has been conducted throughout the construction period and provides a good record of any changes to the receiving water. This detailed sampling will be conducted at each area during both events to characterize conditions at these specific locations (see **Table 1** for a comprehensive list of components to quantify these issues).

- *Field Effects Measurements* – Directly measuring key aspects of target aquatic receptors in the field is the best approach to determining the ecological significance of elevated TSS in the receiving environment. The components detailed in **Table 1** range from the base of the food chain to fish. Water-clarity related changes in productivity would be seen in the phytoplankton and likely zooplankton. Sediment deposition onto high-value habitat areas will be explored with sediment traps (placed in advance of dike construction) and with before/after video surveys (the "before" footage was taken in 2009 when TSS concentrations were still quite low; the "after" will be taken after construction of the Bay-Goose Dike is completed [2011]); potential sediment chemistry changes will be assessed by conducting coring in 2011. Sediment deposition onto near-shore moderate habitat and its effects on periphyton community will also be evaluated. The decision to conduct any direct assessment of fish populations (through CPUE comparisons between years) will be deferred until after completion of the Bay-Goose Dike; all available information will be considered using a weight-of-evidence approach. Last year's stable isotope analysis (SIA), which was used to empirically document the predominant energy flow paths in Second Portage Lake (i.e., based on the principle "you are what you eat", with isotopic ratios of carbon and nitrogen in fish reflective of their predominant diets), showed that the top of the food chain (i.e., lake trout) ultimately relied on both the pelagic (i.e., based on phytoplankton and zooplankton in the water column) and benthic (i.e., based on algae and invertebrates associated with the lake bottom) food chains. Both benthic invertebrates and zooplankton are an integral part of this year's work.

- *Laboratory Effects Measurements* – Taking site water into the laboratory provides a unique opportunity to conduct a suite of tests on sensitive life history stages under controlled conditions. These tests will provide insights into how turbid water and/or settled sediment may affect zooplankton and fish survival, feeding and growth. The fish tests will target key developmental stages and will be modified from standard methods to increase realism. For example, the trout embryo test will be conducted two ways: with renewal of overlying water as per the protocol and with no renewal (to minimize disruption of particle settlement). The trout swim-up larvae test will be conducted using zooplankton for feeding, rather than the standard "trout chow". As per their value to quantify the toxicity of contaminants, these tests will provide valuable information on the physical effects of suspended sediments. All the tests will be run across a series of dilutions (field sampling for water will target the highest areas of turbidity outside the turbidity barriers), allowing the results to be extrapolated to a

range of TSS concentrations. The second sampling event will not occur unless conditions worsen significantly over the next few weeks.

Together, these study components should provide a good weight-of-evidence regarding the potential for the elevated TSS concentrations to cause significant ecological effects in Third Portage Lake and beyond (e.g., Second Portage Lake).

Table 1. Second Portage Lake TSS Effects Assessment Study - Program Overview.

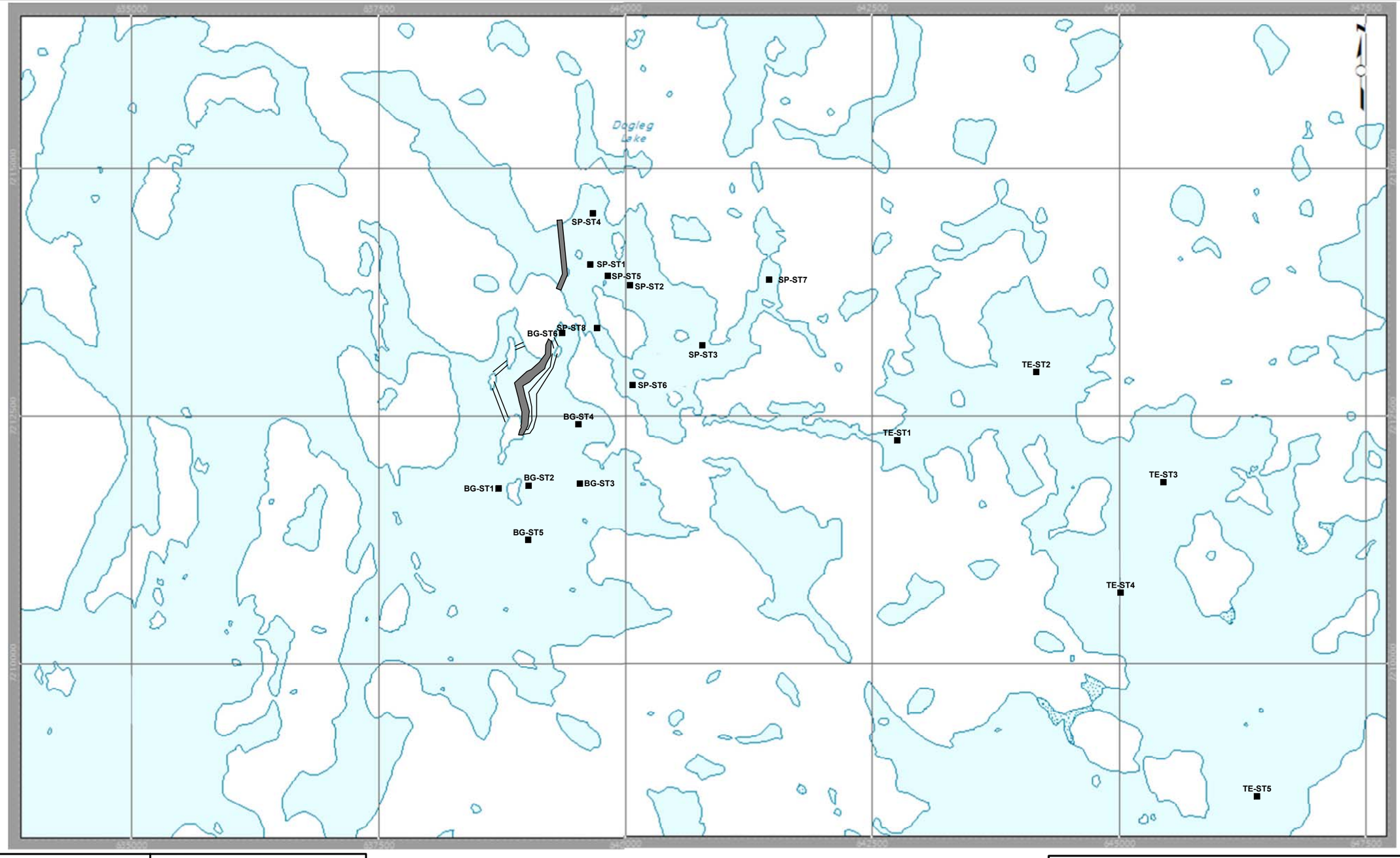
Component	Rationale	Sampling Design
Water Quality and Limnology		
TSS	Collect more data to ensure site-specific model with turbidity is representative.	Three "impact" areas and two reference areas (single sample within each area; see text for locations). Two events.
Metals (total/dissolved)	Assess whether metals are elevated and in bioavailable form.	As above.
Nutrients and Conventionals	Assess if nutrient levels are elevated from blasting residues and characterize basic water quality.	As above.
Secchi Depth	Common indicator of water clarity.	As above.
pH/Conductivity	Assess basic water quality.	As above.
Dissolved oxygen	Assess oxygen levels in lake.	As above.
Temperature	Assess mixing *vs* stratification.	
Field Effects Measurements		
Component	**Rationale**	**Sampling Design**
Primary Production ● Chlorophyll-a ● Phytoplankton biomass/taxonomy	Turbid water can affect primary productivity by reducing the quantity and quality of light penetrating into the lake.	Three "impact" areas and two reference areas (each with 5 reps; see text for locations). Two events.
Primary Production ● Periphyton Community ● Sediment accumulation in mats.	Sediment deposition onto periphyton mats may have adverse impacts to benthic primary production in important littoral zones.	As above, but only one event conducted in 2011 after BG Dike completed.
Secondary Production - Pelagic ● Zooplankton biomass/taxonomy	Reductions in primary productivity may affect zooplankton, which rely on phytoplankton for food.	As above, but 1 rep for taxonomy.
Secondary Production - Benthic ● Benthic community	Eventual deposition of suspended sediments may result in effects to the benthic community.	Detailed monitoring targeting the benthic community was initiated this year (Year 1 of a 2-yr program) as part of last years East Dike TSS EAS; the program was expanded to address potential effects of Bay-Goose Dike construction; the results of that program will be integrated into this study.
Fish ● Fish population (CPUE) ● High value habitat (sedimentation) - sediment trap data (2009) and video habitat surveys (pre- [already done in 2009] and post-construction [2011]) surveys will be used to assess the status of key areas.	Early life history stages are the most sensitive to the adverse effects of sedimentation; this is consistent with the findings of the SP EAS study in 2008. The decision to conduct any direct *in situ* fish population work will be deferred and made after dike construction using a weight-of-evidence approach. However, sediment traps and video results will be used to determine the degree to which sediment has accumulated in key high-value habitat areas already filmed in 2009 (prior to TSS elevation).	No sampling in 2009; decision for future sampling deferred until after dike construction is completed. Analyze trap data in 2008; compare 2009 video survey results (already taken) between areas with high and low TSS exposure after completion of the Bay-Goose Dike.
Laboratory Effects Measurements		
Component	**Rationale**	**Sampling Design**
Zooplankton ● Lethal - *Daphnia magna* 48-hr LC50 ● Sublethal - *Ceriodaphnia dubia* 7-day growth/survival/repro	While current conditions are unlikely to cause lethal responses in zooplankton, they might result in sublethal effects.	Samples will be collected targeting the highest TSS concentrations observed in the field; laboratory dilutions will be used to test a range of concentrations in order to broadly extrapolate the results to the lake in general. Only one round of sampling will occur unless conditions worsen over the next several weeks.
Fish ● Lethal - Rainbow trout 96-hr LC50 ● Sublethal - Rainbow trout embryo 7-day (w/out renewal) ● Sublethal - Rainbow trout embryo 7-day (with renewal) ● Sublethal - Rainbow trout swim-up larvae 7-day surv/growth	While current conditions are unlikely to cause lethal responses in trout, they might result in sublethal effects to sensitive life history stages. The 7-day larval test will be conducted using live zooplankton as food to take reduced visibility into consideration. The embryo development test will be conducted with/without renewal of overlying water to allow settlement to occur in the non-renewal test.	As above.

Table 2. Second Portage Lake TSS Effects Assessment Study - Field Sampling Guide.

Water Quality and Limnology		
Component	**Sampling**	**Where to Sample**
TSS	Vertically-integrated water sample from 0 to 10m.	One sample per area (i.e., 5 in total) per event.
Metals (total/dissolved)	As above	As above.
Nutrients and Conventionals	As above	As above.
pH/Conductivity	Measured in field and lab.	As above.
Secchi Depth	One measurement.	Sample at each replicate sample location (i.e., 5 reps x 5 areas)
Dissolved oxygen	Conduct vertical profile in field; measure each meter.	As above.
Temperature	As above	As above.

Field Effects Measurements		
Component	**Sampling**	**Where to Sample**
Primary Production ● Chlorophyll-a ● Phytoplankton biomass/taxonomy	Take integrated water sample from 0 to 10m; filter 1 L for chlor-a (or less if very turbid) and sample directly for phytoplankton.	Sample at each replicate sample location (i.e., 5 reps x 5 areas)
Primary Production ● Periphyton Community ● Sediment accumulation in mats.	The qualitative survey will be conducted by collecting paired samples of periphyton mats: one sample analysed for community/biomass and the other for organic vs inorganic content.	5 replicates to be collected at each exposure and reference area; areas to be selected in 2011 after BG dike construction completed.
Secondary Production - Pelagic ● Zooplankton biomass/taxonomy	Biomass - composite of two vertical tows from 8 m. Taxonomy - as above.	Biomass - 5 reps x 5 areas Taxonomy - 1 rep x 5 areas
Secondary Production - Benthic ● Benthic community	No additional sampling in 2009.	N/A
Fish ● HVH Sed Traps ● Video	Sed traps - remove traps in September (while heli support still available); keep contents of each trap (4 per housing) separate; send to ALS for individual weighing and archival (for possible chem). Video - no additional sampling in 2009.	Traps - pull from existing locations; do not reinstall.

Laboratory Effects Measurements		
Component	**Sampling**	**Where to Sample**
Toxicity Testing - Acute and Chronic	Collect sample of most turbid water in the receiving environment; testing to be done as dilution series so we can extrapolate results back to the receiving environmenent. Take a water chemistry sample from the same water taken from toxicity testing and analyze for all the regular dike construction monitoring parameters.	Samples will be collected targeting the highest TSS concentrations observed in TPE-E area; laboratory dilutions will be used to test a range of concentrations in order to broadly extrapolate the results to the lake in general. Only one round of sampling will occur unless conditions worsen over the next several weeks.



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

SEDIMENT TRAP LOCATIONS

From: Stéphane Robert
Sent: Saturday, September 19, 2009 7:08 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 18
Attachments: Bay-Goose TSS Figure 18 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations yesterday. Winds were moderate to strong from the SE. Sampling results were again very similar to Sept 17.

Key results are as follows:

- Most stations had similar TSS concentrations to Sept 17 results.
- All stations had decreases in 7-day average TSS levels, highlighting the improving conditions in general.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.
- Short-term (24-hour) TSS triggers are not exceeded at any stations.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 8.75 m/L (6.9 to 10.5 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since 17 days, the average short term TSS concentration went to 54 mg/L to 8.75 mg/L

Monthly mean (30 days): 28.11 mg/L (8.3 to 102 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since 16 days, the average 7-day TSS concentration went to 48.4 mg/L to 10.3 mg/L.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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Environment superintendent
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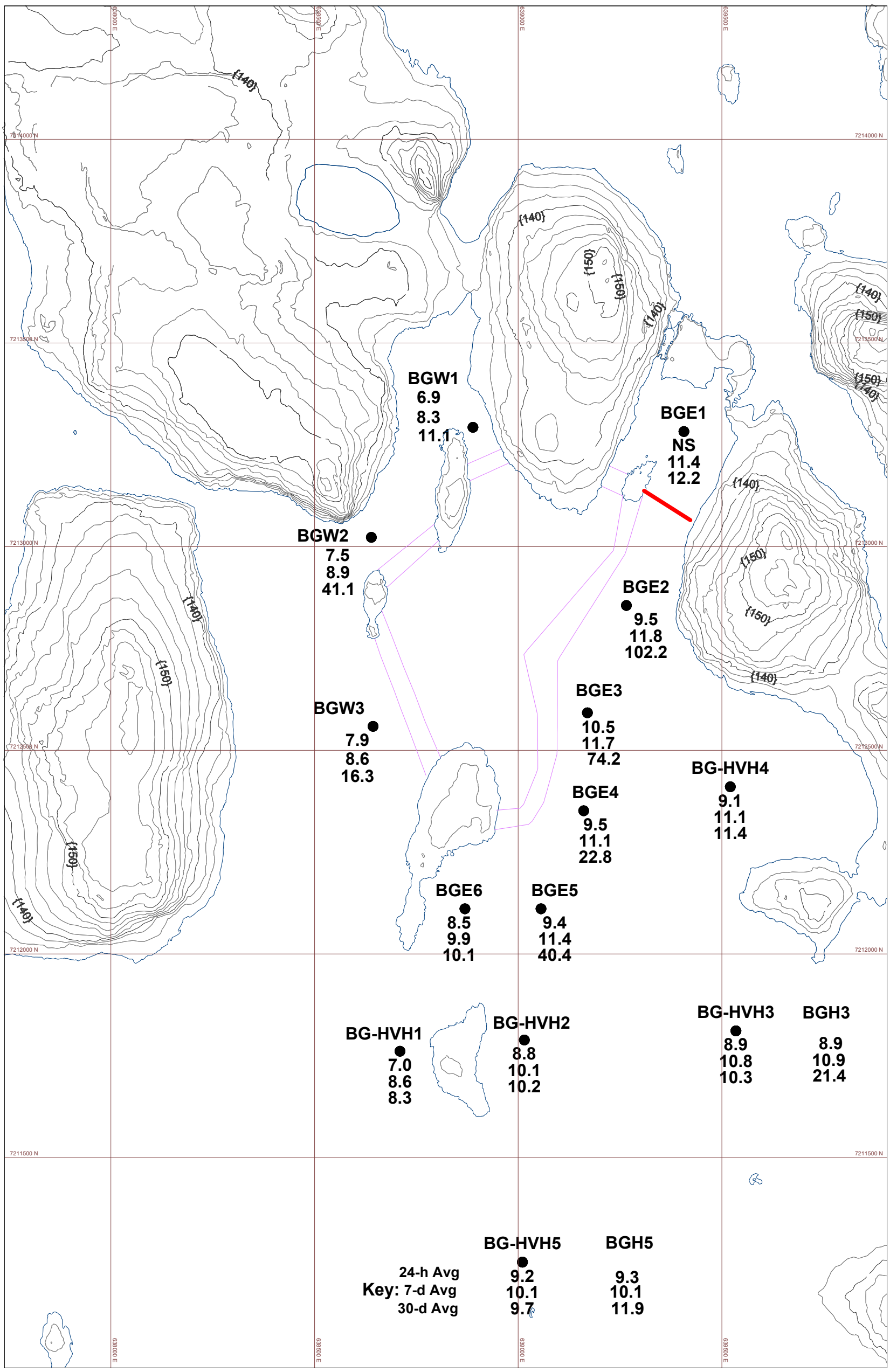

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 18, 2009 20:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Sunday, September 20, 2009 7:20 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 19
Attachments: Bay-Goose TSS Figure 19 September 2009.pdf; Bay-Goose Broad Map 19 September 2009.pdf; Bay-Goose Targeted Survey 19 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations yesterday. Winds were moderate S/SE in the morning, but reduced to light NW in the afternoon. Sampling results were again very similar to the last two days.

Key results are as follows:

- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August and the mixing that occurred just over two weeks ago.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.
- TSS concentrations inside the turbidity barrier were essentially the same as conditions outside. There was no indication of any elevated plumes within the work zone, indicating that construction activities are no longer resulting in sediment releases.
- TSS concentrations in Second Portage Lake were 2.2 mg/L at the inlet from Third Portage Lake and 1.3 mg/L at the outlet to Tehek Lake.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 8.5 m/L (6.5 to 10.2 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since 18 days, the average short term TSS concentration went to 54 mg/L to 8.5 mg/L

Monthly mean (30 days): 28.2 mg/L (8.3 to 102 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since 17 days, the average 7-day TSS concentration went to 48.4 mg/L to 10 mg/L.

If you have any question do not hesitate to contact me.

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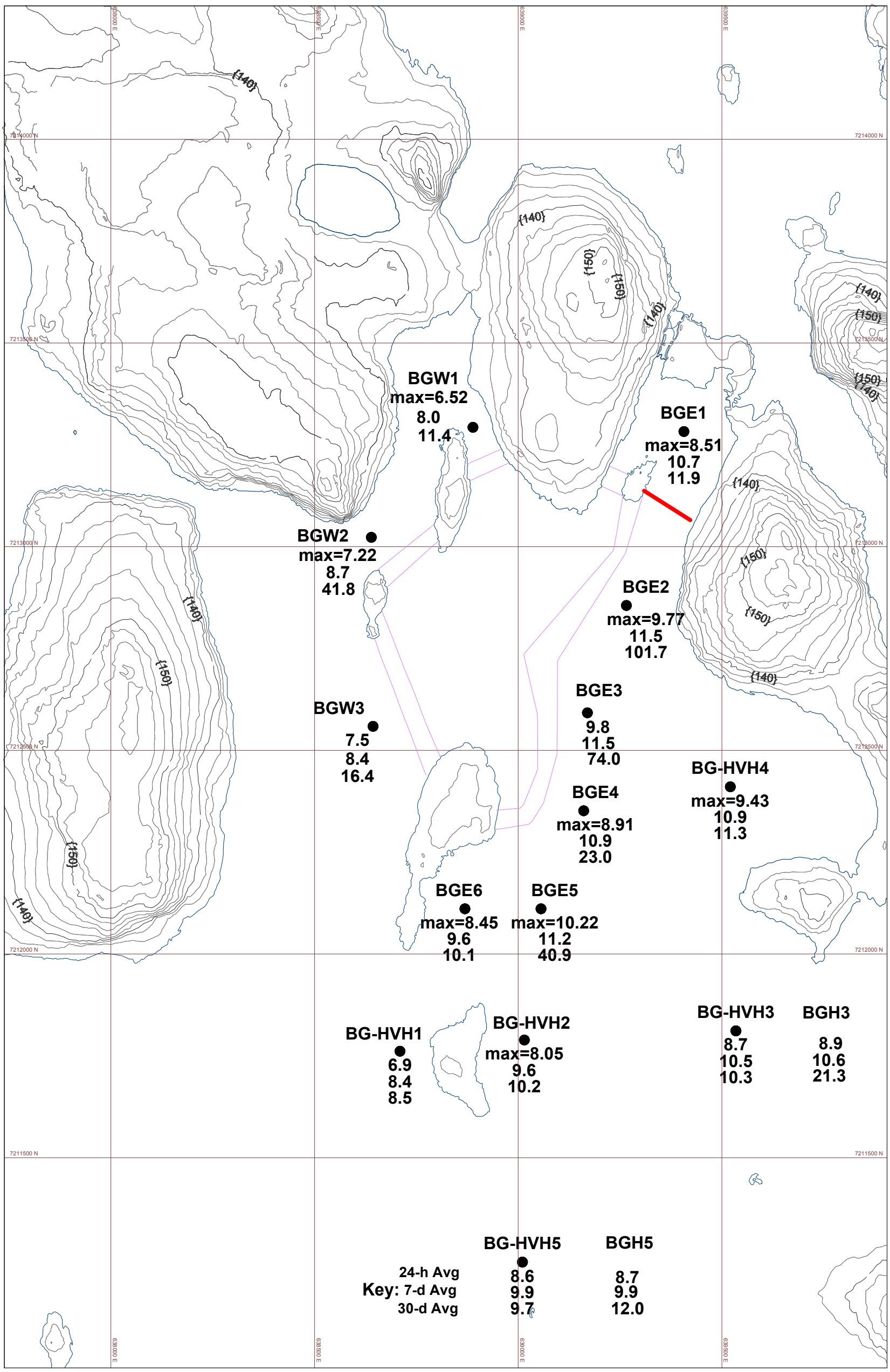

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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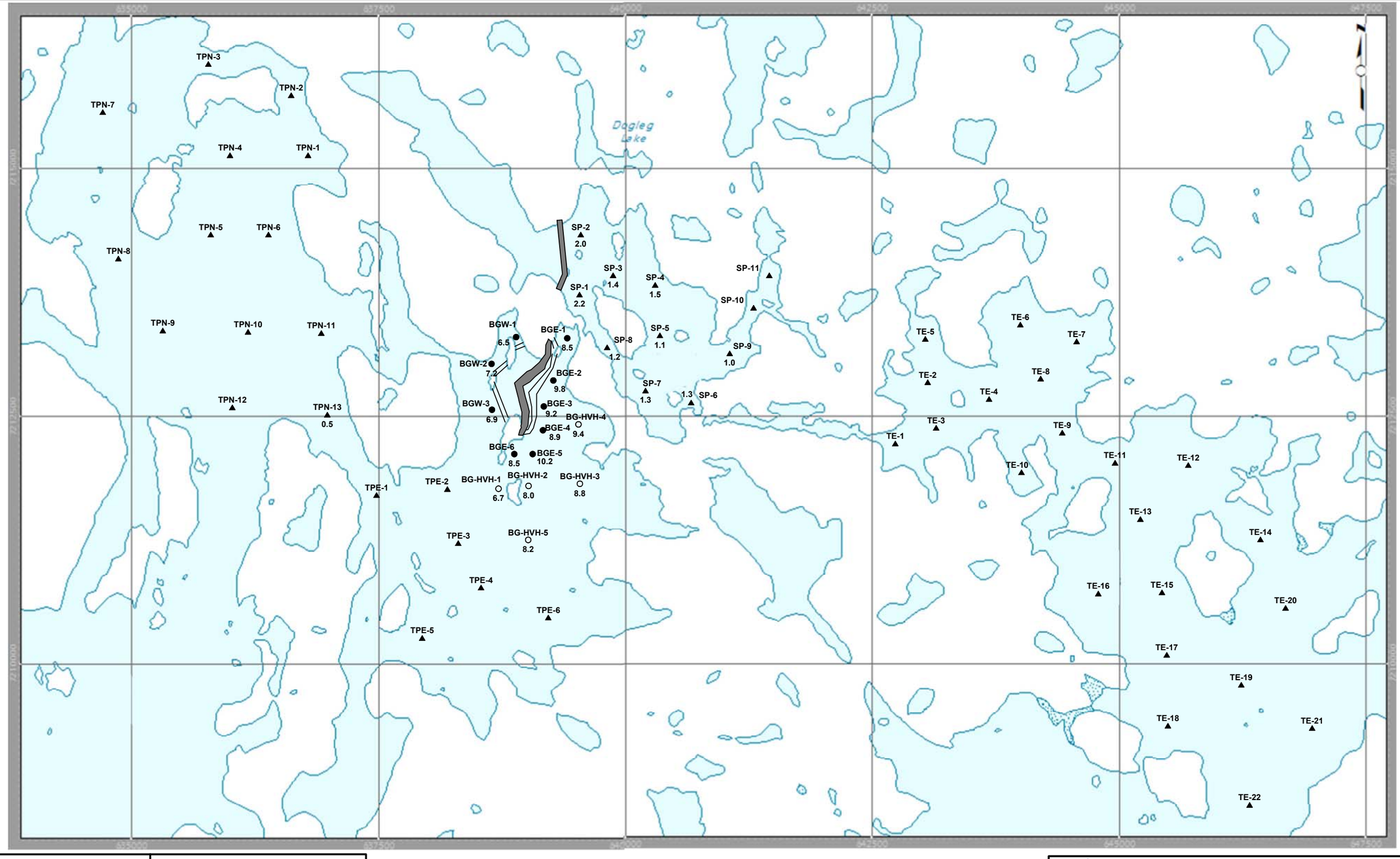
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 19, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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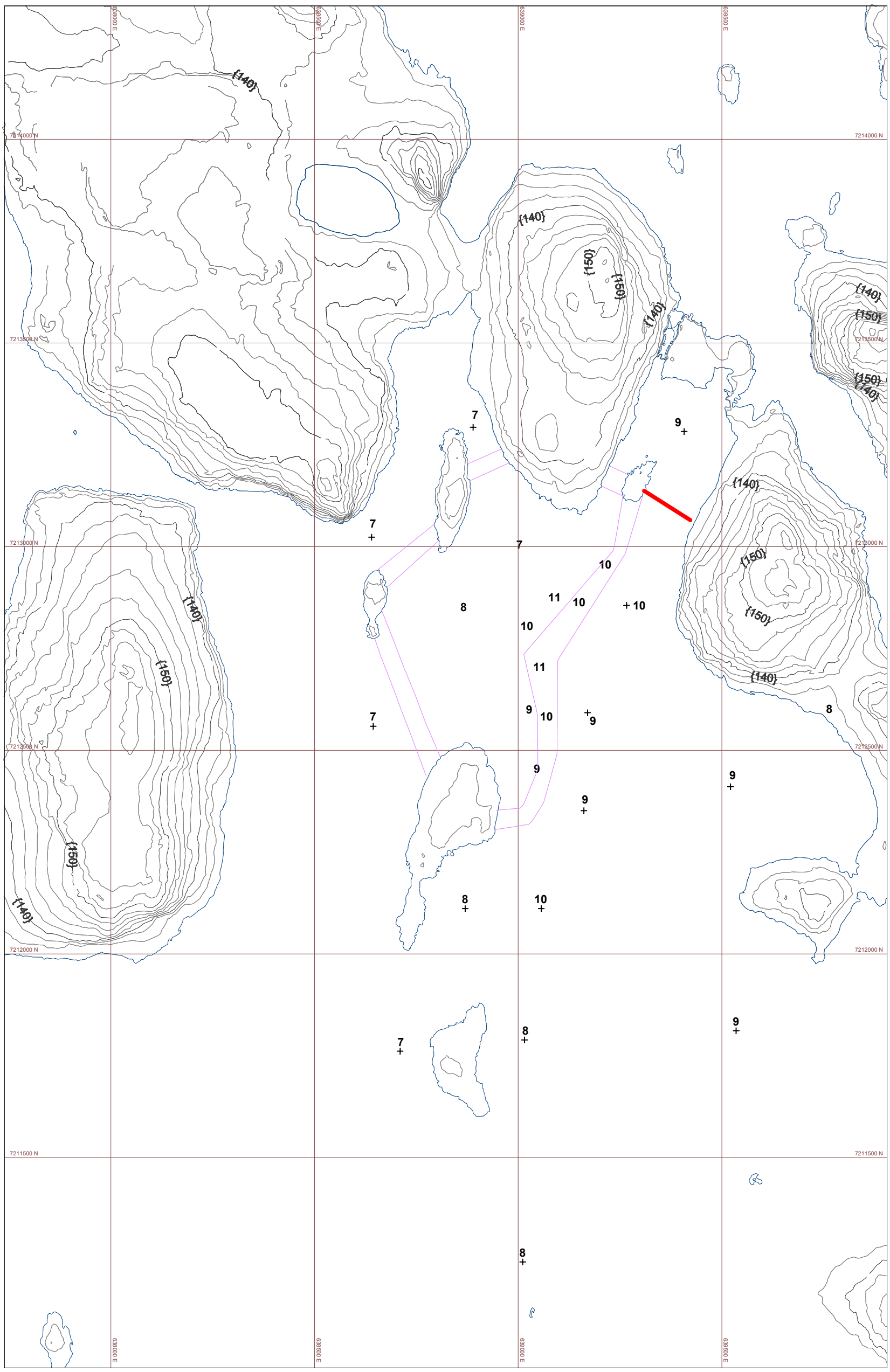
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 19, 2009.

BAY-GOOSE BROAD MAP.GRF



Legend	TSS Trigger Values (mg/L)
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled	

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

TARGETED SURVEY September 19, 2009
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Monday, September 21, 2009 9:12 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 20
Attachments: Bay-Goose TSS Figure 20 September 2009.pdf; Bay-Goose Targeted Survey 20 September 2009.pdf; Bay-Goose Broad Map 20 September 2009.pdf; image001.jpg

Hi

One round of sampling was conducted at all routine stations yesterday. In addition, we did a broad survey of the east basin (plus one station in the north basin) and some more sampling inside/outside the work zone (to verify Sept 19 results). Winds were light to moderate NNE.

Key results are as follows:

- Most stations had slightly lower TSS concentrations than Sept 19.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August and the mixing that occurred just over two weeks ago.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.
- TSS concentrations inside the turbidity barrier were essentially the same as conditions outside. There was no indication of any elevated plumes within the work zone, indicating that construction activities are no longer resulting in sediment releases.
- The broad survey results confirmed that the TSS is largely confined to the east basin (6 to 9 mg/L) and drop off dramatically through the channel to the north basin (0.6 mg/L at TPN-13).

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 8.3 m/L (6.8 to 9.5 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since 19 days, the average short term TSS concentration went to 54 mg/L to 8.3 mg/L

Monthly mean (30 days): 27.8 mg/L (8.6 to 98.5 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since 18 days, the average 7-day TSS concentration went to 48.4 mg/L to 9.6 mg/L.

If you have any question do not hesitate to contact me.

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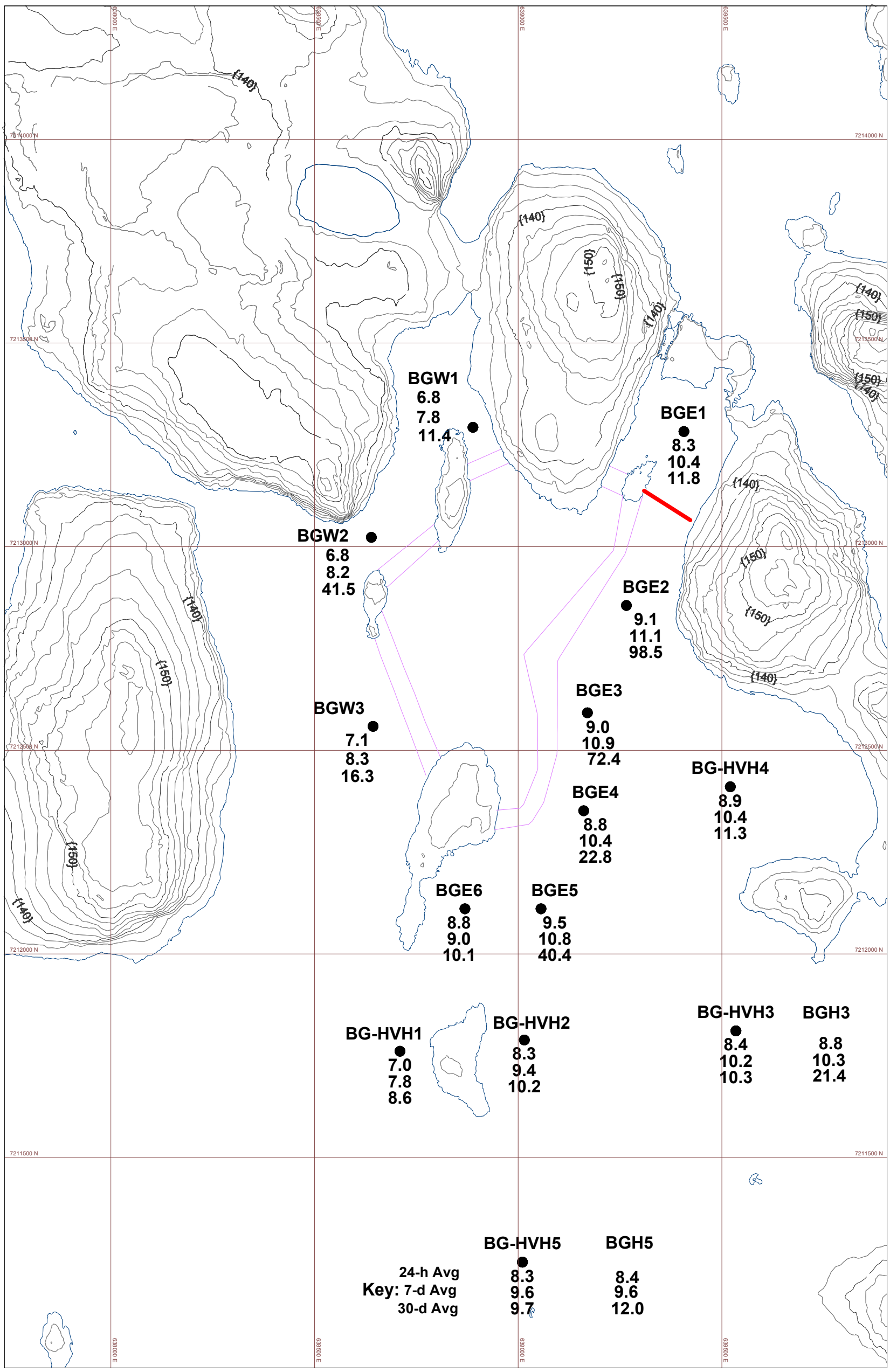

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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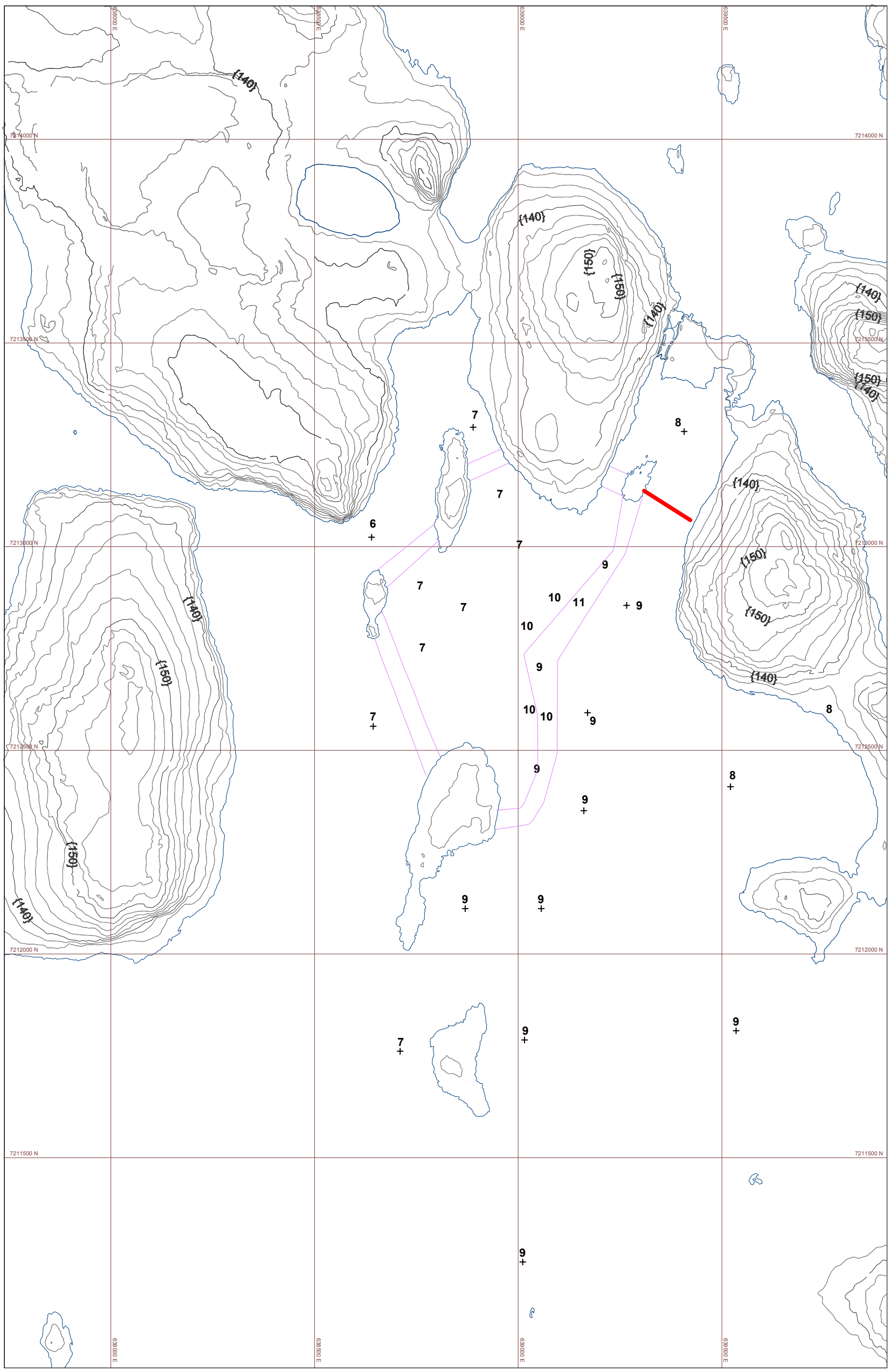
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 20, 2009 19:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend	TSS Trigger Values (mg/L)
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled	

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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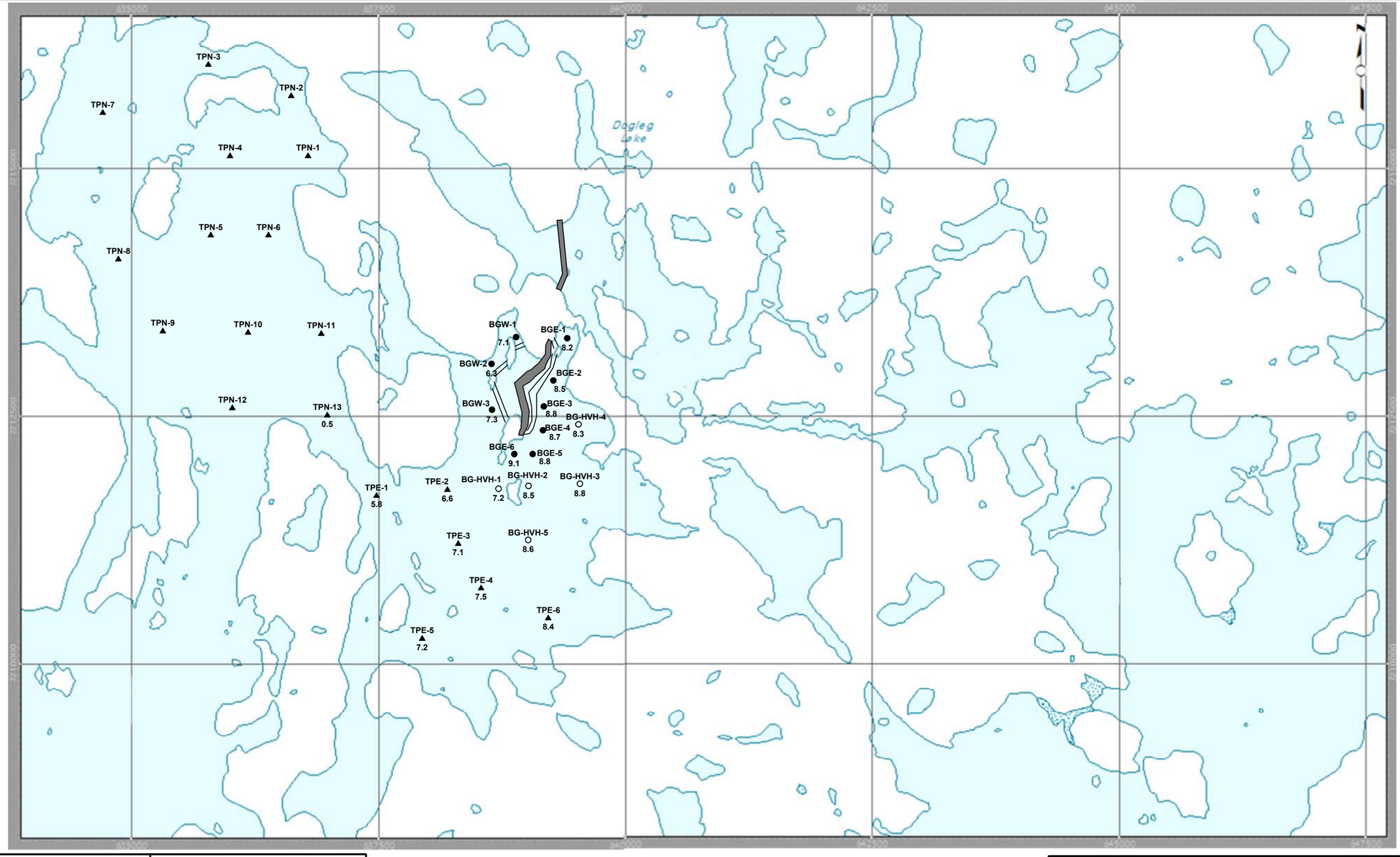
MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

DEEP PLUME SURVEY September 20, 2009
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR September 20, 2009.

BAY-GOOSE BROAD MAP.GRF

From: Stéphane Robert
Sent: Wednesday, September 23, 2009 5:02 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 22
Attachments: Bay-Goose TSS Figure 22 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations yesterday.

Key results are as follows:

- TSS concentrations continue to had a slightly decrease.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August and the mixing that occurred just over two weeks ago.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 8.15 m/L (6.4 to 8.9 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since the last 14 days, the average short term TSS concentration went to 16 mg/L to 8.3 mg/L

Monthly mean (30 days): 25.9 mg/L (8.6 to 83.7 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since the last 14 days, the average 7-day TSS concentration went to 18.4 mg/L to 8.62 mg/L.

If you have any question do not hesitate to contact me.

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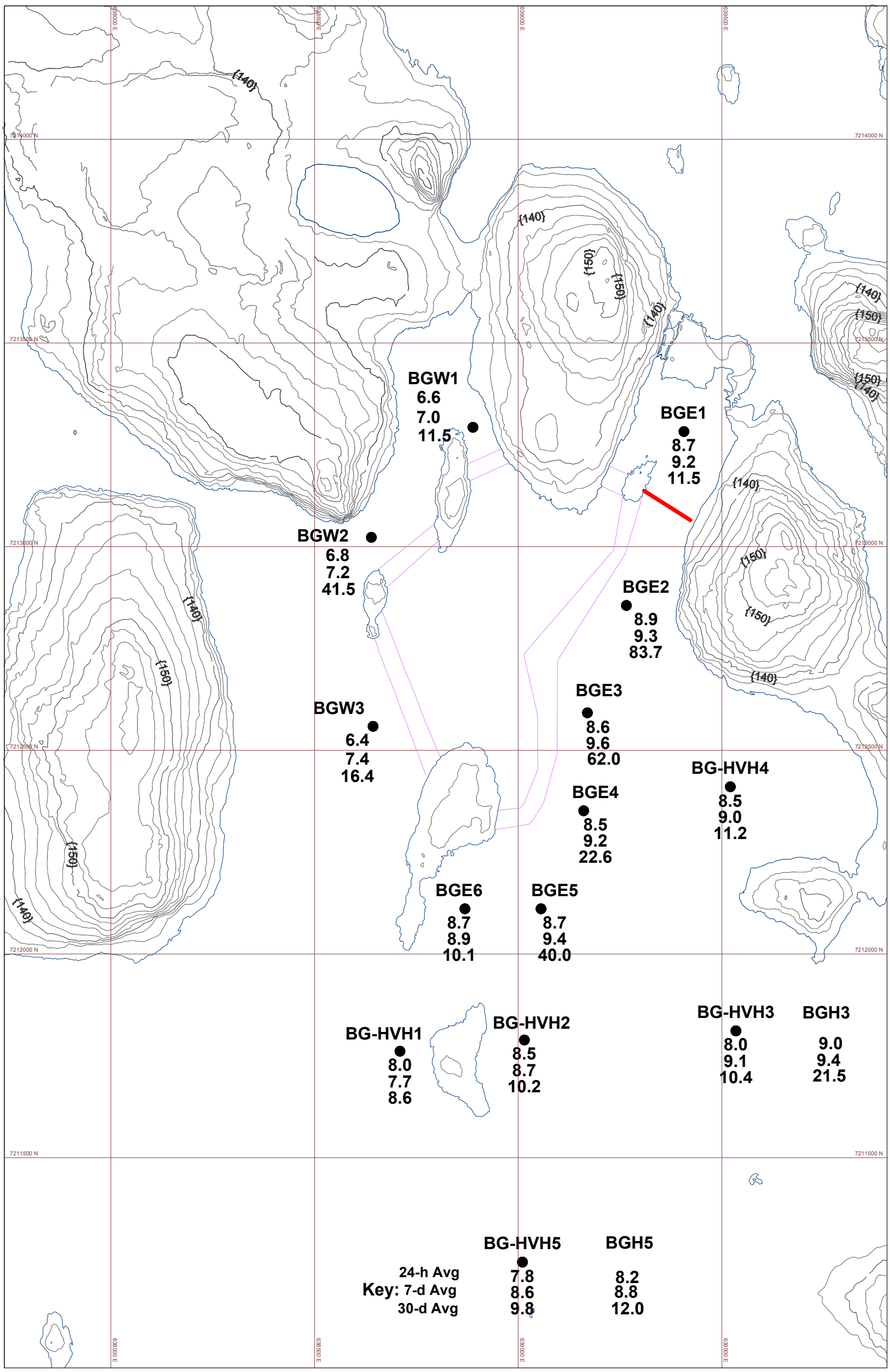
stephane.robert@agnico-eagle.com



Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 22, 2009 21:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Wednesday, September 23, 2009 7:20 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 23
Attachments: Bay-Goose TSS Figure 23 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations today. Sorry for the repetition, but the sampling results are again very similar to yesterday's. Overall, things are slowly getting better.

Key results are as follows:

- TSS concentrations continue to had a slightly decrease.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August and the mixing that occurred just over two weeks ago.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 7.85 m/L (6.4 to 10.1 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since the last 14 days, the average short term TSS concentration went to 15.3 mg/L to 7.85 mg/L

Monthly mean (30 days): 25.1 mg/L (8.6 to 77.1 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since the last 14 days, the average 7-day TSS concentration went to 16.8 mg/L to 8.36 mg/L.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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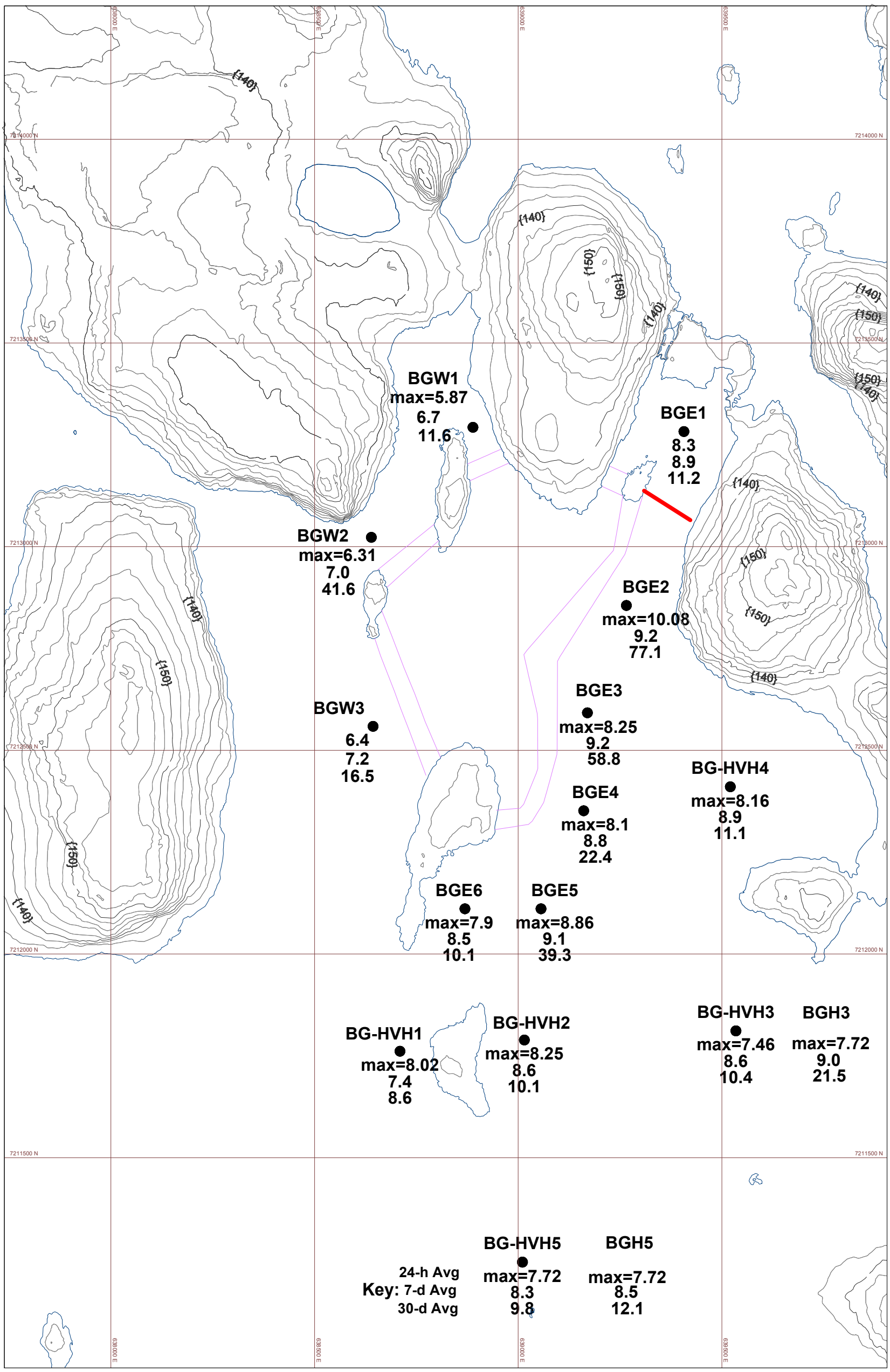

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 23, 2009 20:30
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Friday, September 25, 2009 10:08 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 24
Attachments: Bay-Goose TSS Figure 24 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations (except BGE-1) yesterday. Winds were moderate to strong (gust over 60 km/hr this afternoon) from the S. Sorry for the repetition, but the sampling results are again very similar to the last days. Overall, things are slowly getting better.

Key results are as follows:

- TSS concentrations continue to had a slightly decrease.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August and the mixing that occurred just over two weeks ago.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 7.75 m/L (5.2 to 8.5 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since the last 14 days, the average short term TSS concentration went to 13.5 mg/L to 7.75 mg/L

Monthly mean (30 days): 24.1 mg/L (8.6 to 69.4 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since the last 14 days, the average 7-day TSS concentration went to 16.5 mg/L to 8.2 mg/L.

If you have any question do not hesitate to contact me.

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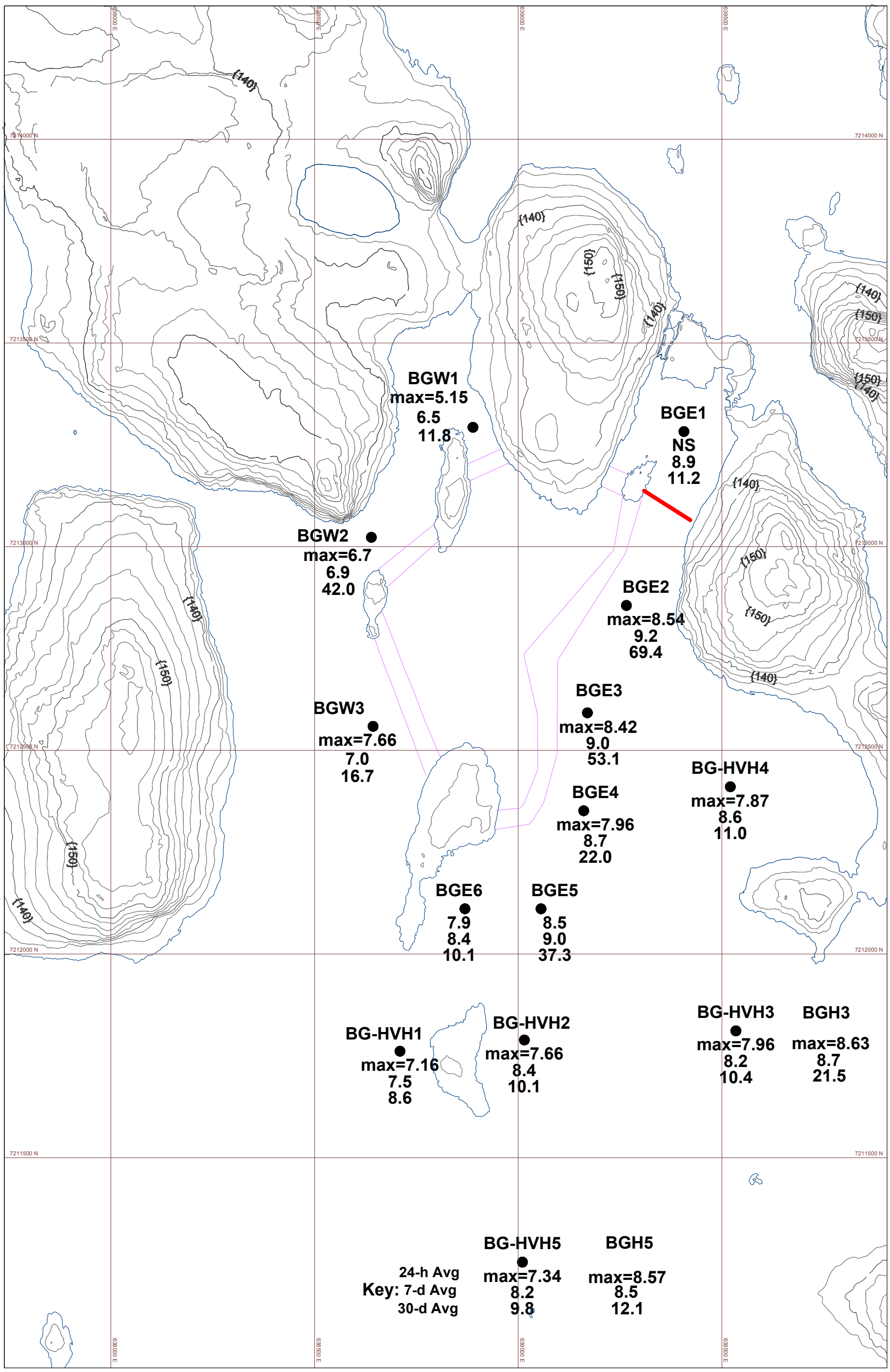

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 24, 2009 19:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Sunday, September 27, 2009 12:07 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 25 and 26
Attachments: Bay-Goose TSS Figure 26 September 2009.pdf

Hi

No sampling was conducted Sept 25 due to strong winds (averaging 60 km/hr W gusting to nearly 90 km/hr). One round of sampling was conducted at all routine stations (except BGE-1) Sept 26. Winds were quite strong overnight (averaging over 60 km/hr and gusting past 90 km/hr), but abated throughout the day to moderate N (20 to 30 km/hr). Despite the strong winds the past 48 hrs, TSS concentrations were not substantially different today.

Key results are as follows:

- TSS concentrations continue to had a slightly decrease.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August and the mixing that occurred just over two weeks ago.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 7.5 m/L (6 to 8.3 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since the last 14 days, the average short term TSS concentration went to 11.6 mg/L to 7.5 mg/L

Monthly mean (30 days): 21.4 mg/L (8.7 to 51.5 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since the last 14 days, the average 7-day TSS concentration went to 14.5 mg/L to 8 mg/L.

If you have any question do not hesitate to contact me.

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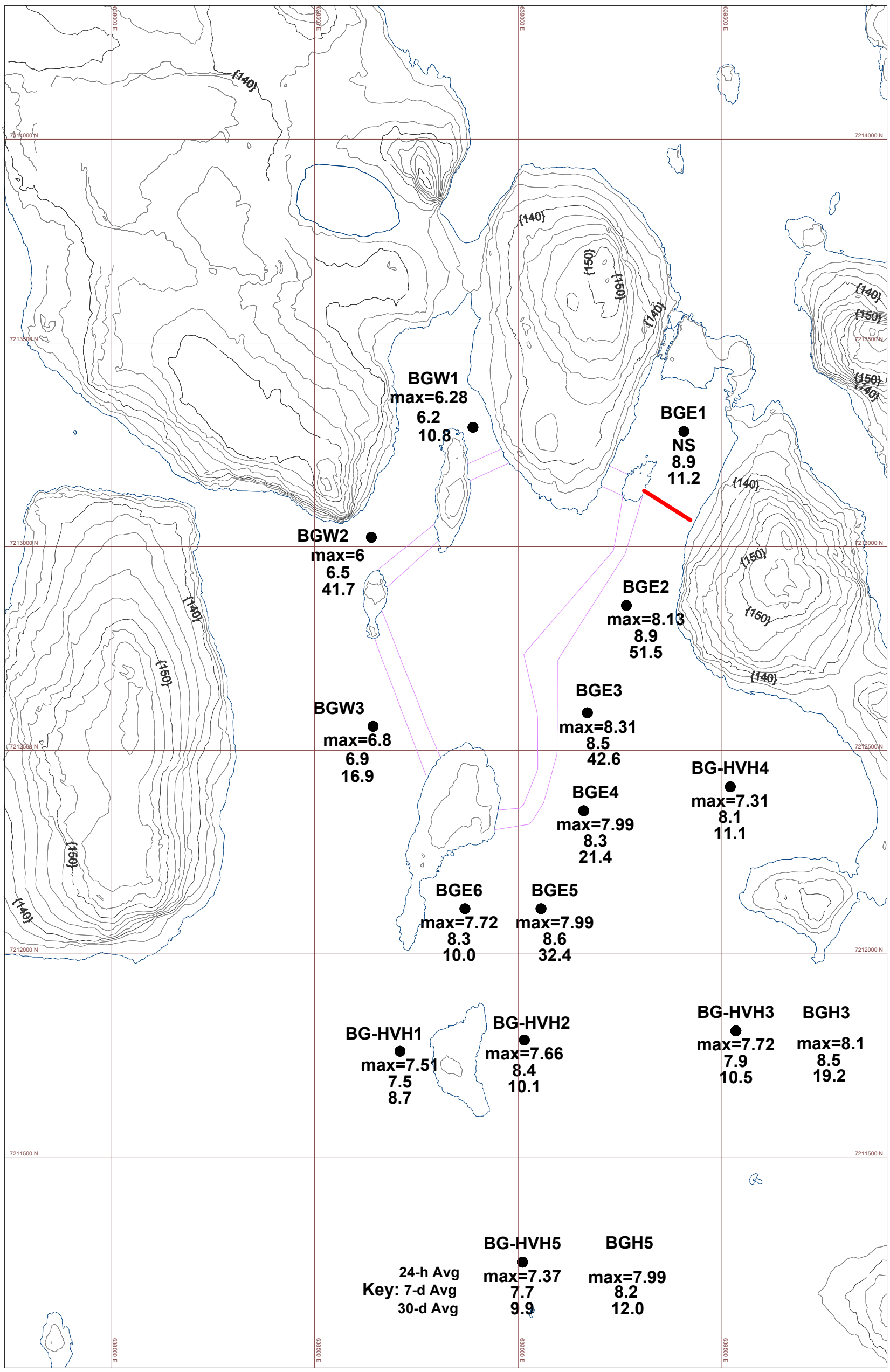

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 26, 2009 20:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Monday, September 28, 2009 5:41 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 27
Attachments: Bay-Goose TSS Figure 27 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations yesterday. Winds were moderate from the NW. TSS results are similar to Sept 26. The cutoff wall was completed Sept 26. The construction of Bay Goose dike is completed for 2009 except for the placement of a rock platform on top of the cutoff wall. The grouting will begin in April 2010.

Key results are as follows:

- TSS concentrations continue to had a slightly decrease.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 7.6 m/L (6.2 to 8.4 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 20.5 mg/L (8.7 to 48.4 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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stephane.robert@agnico-eagle.com

From: Stéphane Robert
Sent: Sunday, September 27, 2009 2:07 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 25 and 26

Hi

No sampling was conducted Sept 25 due to strong winds (averaging 60 km/hr W gusting to nearly 90 km/hr). One round of sampling was conducted at all routine stations (except BGE-1) Sept 26. Winds were quite strong overnight (averaging

over 60 km/hr and gusting past 90 km/hr), but abated throughout the day to moderate N (20 to 30 km/hr). Despite the strong winds the past 48 hrs, TSS concentrations were not substantially different today.

Key results are as follows:

- TSS concentrations continue to had a slightly decrease.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August and the mixing that occurred just over two weeks ago.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 7.5 m/L (6 to 8.3 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since the last 14 days, the average short term TSS concentration went to 11.6 mg/L to 7.5 mg/L

Monthly mean (30 days): 21.4 mg/L (8.7 to 51.5 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since the last 14 days, the average 7-day TSS concentration went to 14.5 mg/L to 8 mg/L.

If you have any question do not hesitate to contact me.

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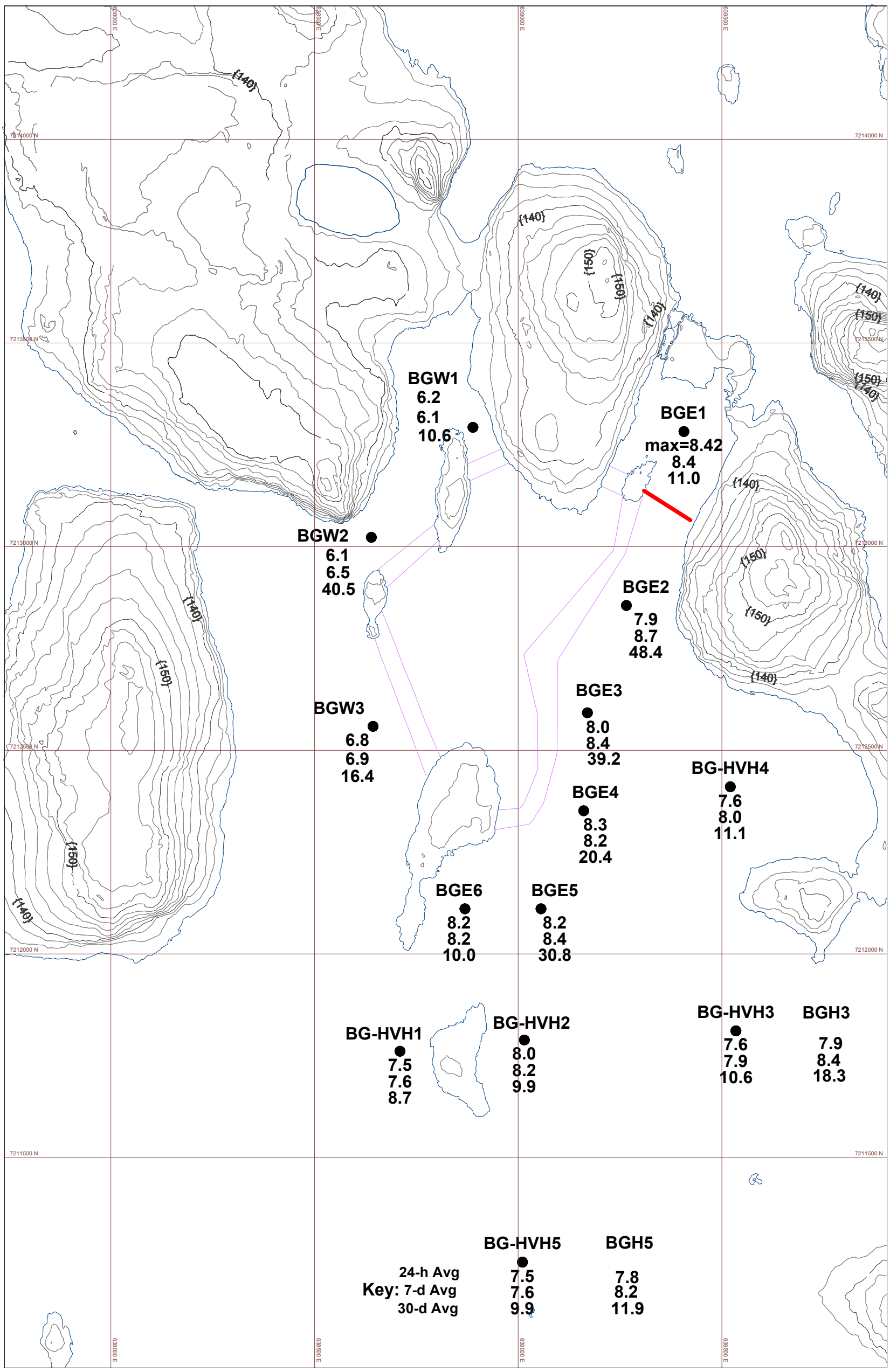

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 27, 2009 20:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Tuesday, September 29, 2009 6:18 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 28
Attachments: Bay-Goose TSS Figure 28 September 2009.pdf; Bay-Goose Broad Map 28 September 2009.pdf

Hi

One round of sampling was conducted at all routine stations yesterday. In addition, we conducted a broad survey of Third Portage (east [TPE] and north [TPN] basins) and Second Portage [SP] over the last two days. Winds were light to moderate from the NW. Key results are as follows:

- TSS concentrations were slightly lower today than previous days.
- The 7-day average TSS concentrations are slowly declining at most stations.
- The 30-day average TSS levels continued to drop at most stations.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.
- TSS concentrations were < 1 mg/L in TPN (most about 0.5 mg/L) and <1.5 mg/L in SP. TPE was similar to the routine results, with TSS concentrations mostly between 6 and 8 mg/L.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 7.1 m/L (5.7 to 8.2 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 18.2 mg/L (8.8 to 35.1 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGW-3, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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Cel: 819-763-0229
stephane.robert@agnico-eagle.com

From: Stéphane Robert
Sent: Monday, September 28, 2009 7:41 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 27

Hi

One round of sampling was conducted at all routine stations yesterday. Winds were moderate from the NW. TSS results are similar to Sept 26. The cutoff wall was completed Sept 26. The construction of Bay Goose dike is completed for 2009 except for the placement of a rock platform on top of the cutoff wall. The grouting will begin in April 2010.

Key results are as follows:

- TSS concentrations continue to had a slightly decrease.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 7.6 m/L (6.2 to 8.4 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 20.5 mg/L (8.7 to 48.4 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations.

If you have any question do not hesitate to contact me.

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From: Stéphane Robert
Sent: Sunday, September 27, 2009 2:07 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Sept 25 and 26

Hi

No sampling was conducted Sept 25 due to strong winds (averaging 60 km/hr W gusting to nearly 90 km/hr). One round of sampling was conducted at all routine stations (except BGE-1) Sept 26. Winds were quite strong overnight (averaging over 60 km/hr and gusting past 90 km/hr), but abated throughout the day to moderate N (20 to 30 km/hr). Despite the strong winds the past 48 hrs, TSS concentrations were not substantially different today.

Key results are as follows:

- TSS concentrations continue to had a slightly decrease.
- The 30-day average TSS levels appear to be peaking at most stations, showing the strong influence of the deep turbid plume that prevailed in late August and the mixing that occurred just over two weeks ago.
- There is still no indication of the reformation of the deep turbid plumes anywhere in the east basin.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 7.5 m/L (6 to 8.3 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations. Since the last 14 days, the average short term TSS concentration went to 11.6 mg/L to 7.5 mg/L

Monthly mean (30 days): 21.4 mg/L (8.7 to 51.5 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at all stations except BGW-1, BGE-1 and BGE-6. However, it is important to note that the 7-day average TSS concentrations are not exceed at any stations. Since the last 14 days, the average 7-day TSS concentration went to 14.5 mg/L to 8 mg/L.

If you have any question do not hesitate to contact me.

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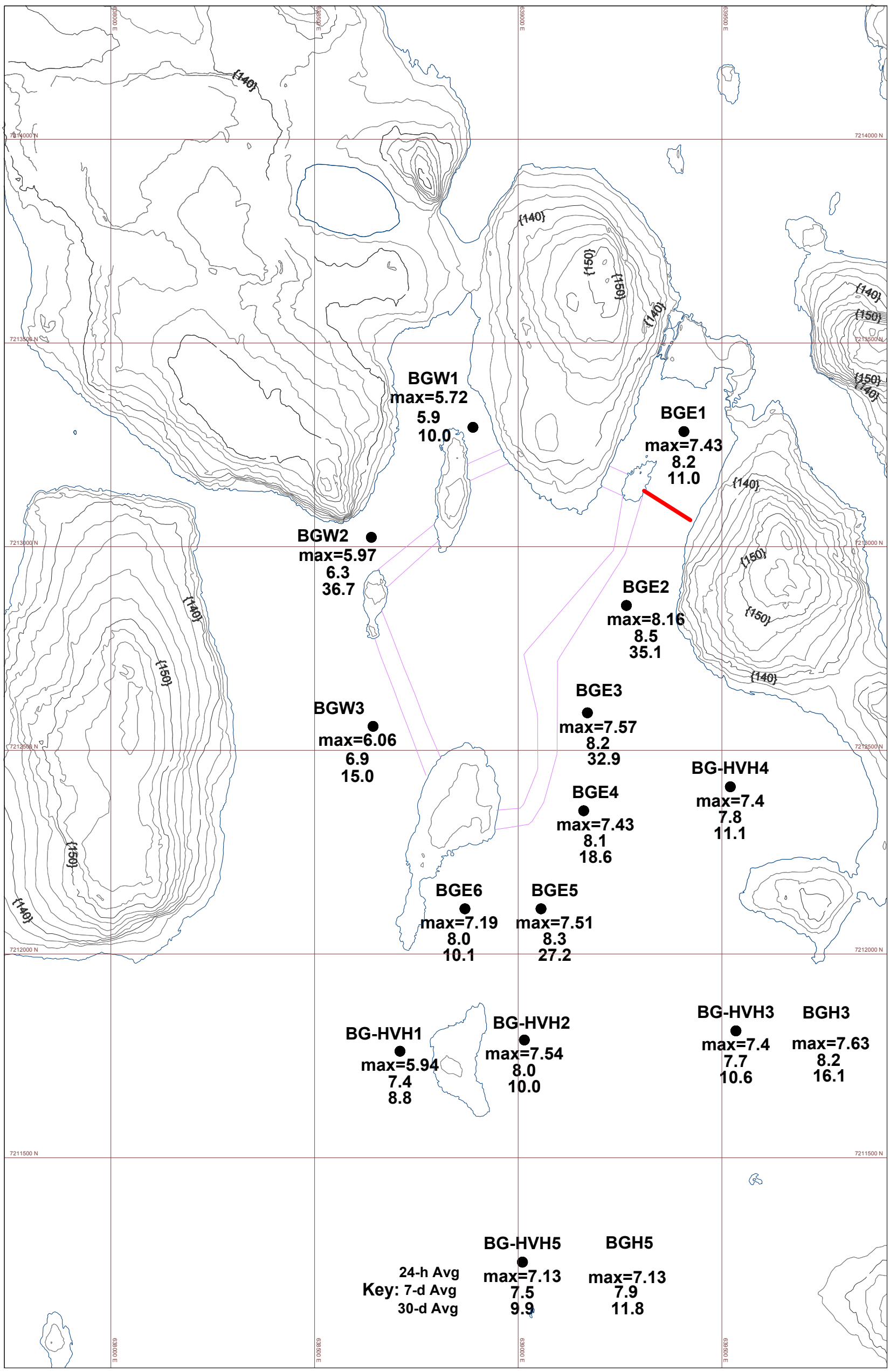


Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

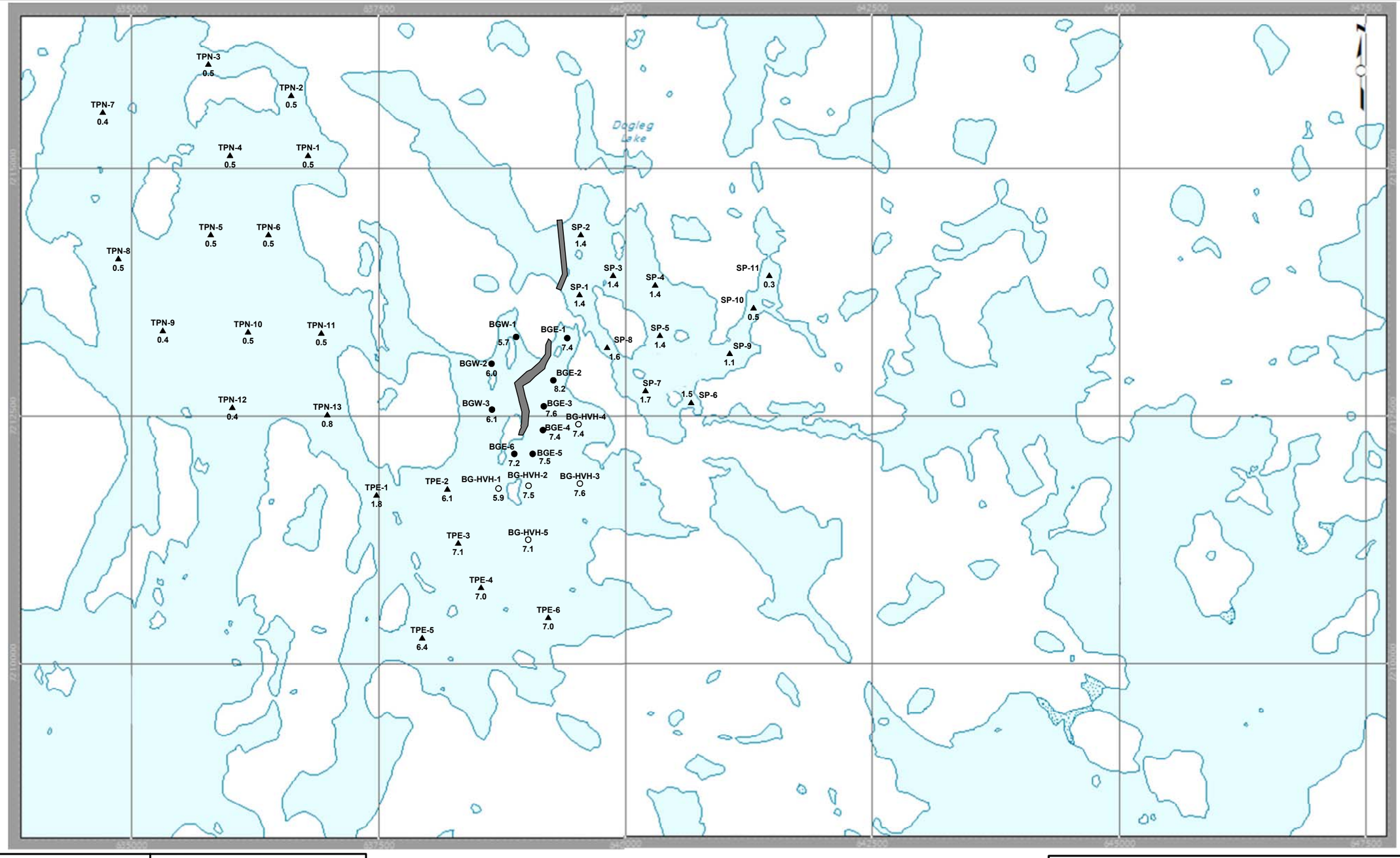
Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF September 28, 2009 19:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf



Legend

- ▲ Broad Survey Stns
- ● BG Routine Stns
- ○ BG HVH Stns
- ■ TE Sed Trap Stns

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations

n/a = data do not cover full duration
blank = no data available

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING

BROAD SURVEY
MAXIMUM TSS ESTIMATES (mg/L) FOR SEPTEMBER 27 & 28, 2009.

FIGURE 1

BAY-GOOSE BROAD MAP.GRF

From: Stéphane Robert
Sent: Saturday, October 03, 2009 5:01 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Kevin Buck'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Oct 1
Attachments: Bay-Goose TSS Figure 1 October 2009.pdf

Hi

One round of sampling was conducted at all routine stations Oct 1. Key results are as follows:

· TSS concentrations continue to drop with time.

· The 7-day average TSS concentrations are steadily declining at all stations.

· The 30-day average TSS levels dropped appreciably at most stations.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 6.7 m/L (5.2 to 7.8 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 11.4 mg/L (8.6 to 16.6 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded at BGE-3 and at all HV stations.

We began to removed the silt curtain on the west side of the Bay Goose Dike.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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Meadowbank Division
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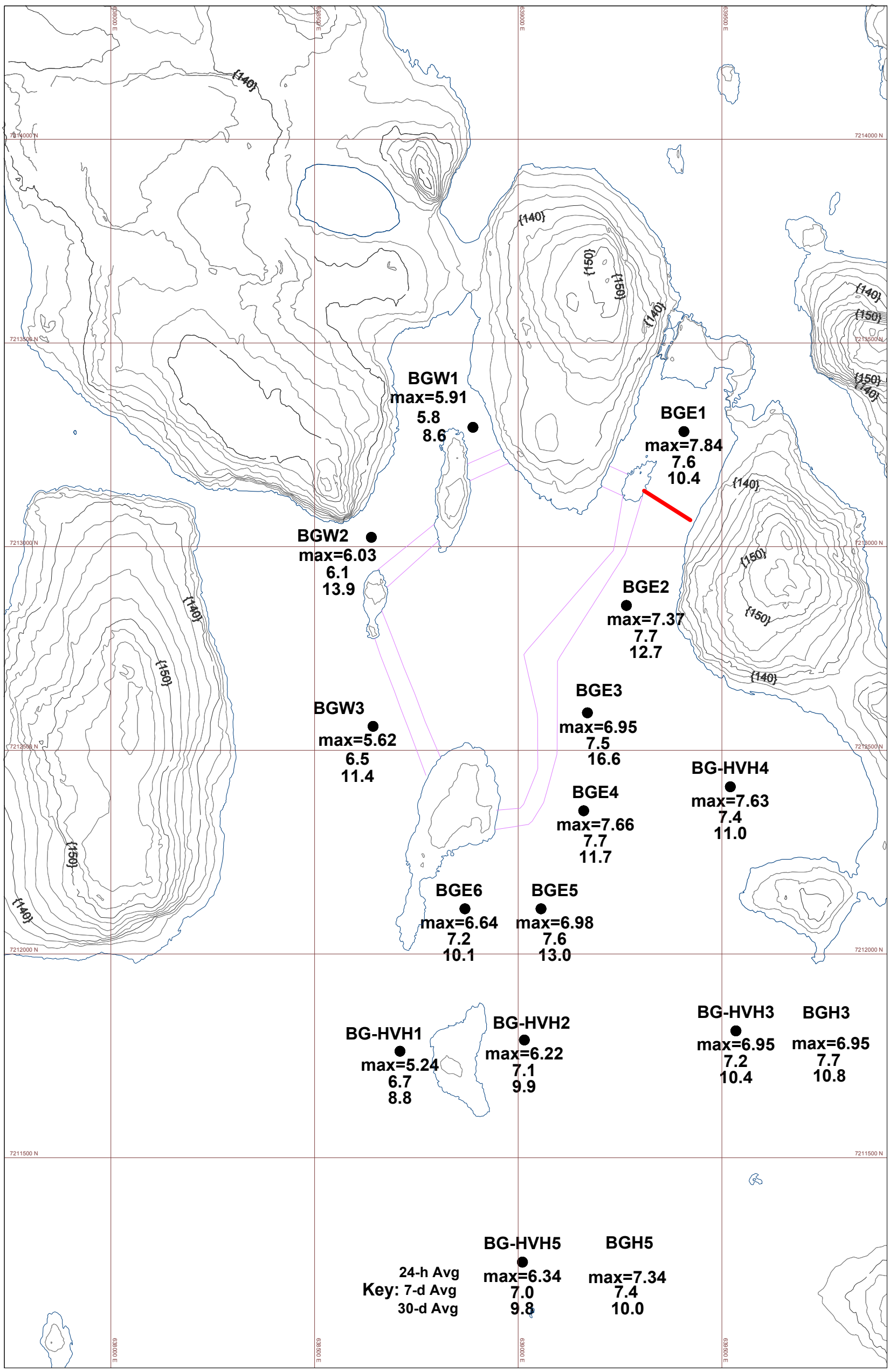
Cel: 819-763-0229
stephane.robert@agnico-eagle.com



Legend	TSS Trigger Values (mg/L)

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations
(BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m))

n/a = data do not cover full duration
NS = not sampled

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF October 1, 2009 16:00
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Wednesday, October 07, 2009 4:59 AM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'; 'ian.rumboldt@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Oct 4
Attachments: Bay-Goose TSS Figure 4 October 2009.pdf

Hi

One round of sampling was conducted at all routine stations Oct 4. Key results are as follows:

· TSS concentrations continue to drop with time.

· The 7-day average TSS concentrations are steadily declining at all stations.

· The 30-day average TSS levels dropped appreciably at most stations.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 5.8 m/L (4.9 to 6.2 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 10.22 mg/L (8 to 13.8 mg/L) - Limit is 15 mg/L. TSS triggers are exceeded only at the HVH stations.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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Environment superintendent
Agnico-Eagle
Meadowbank Division
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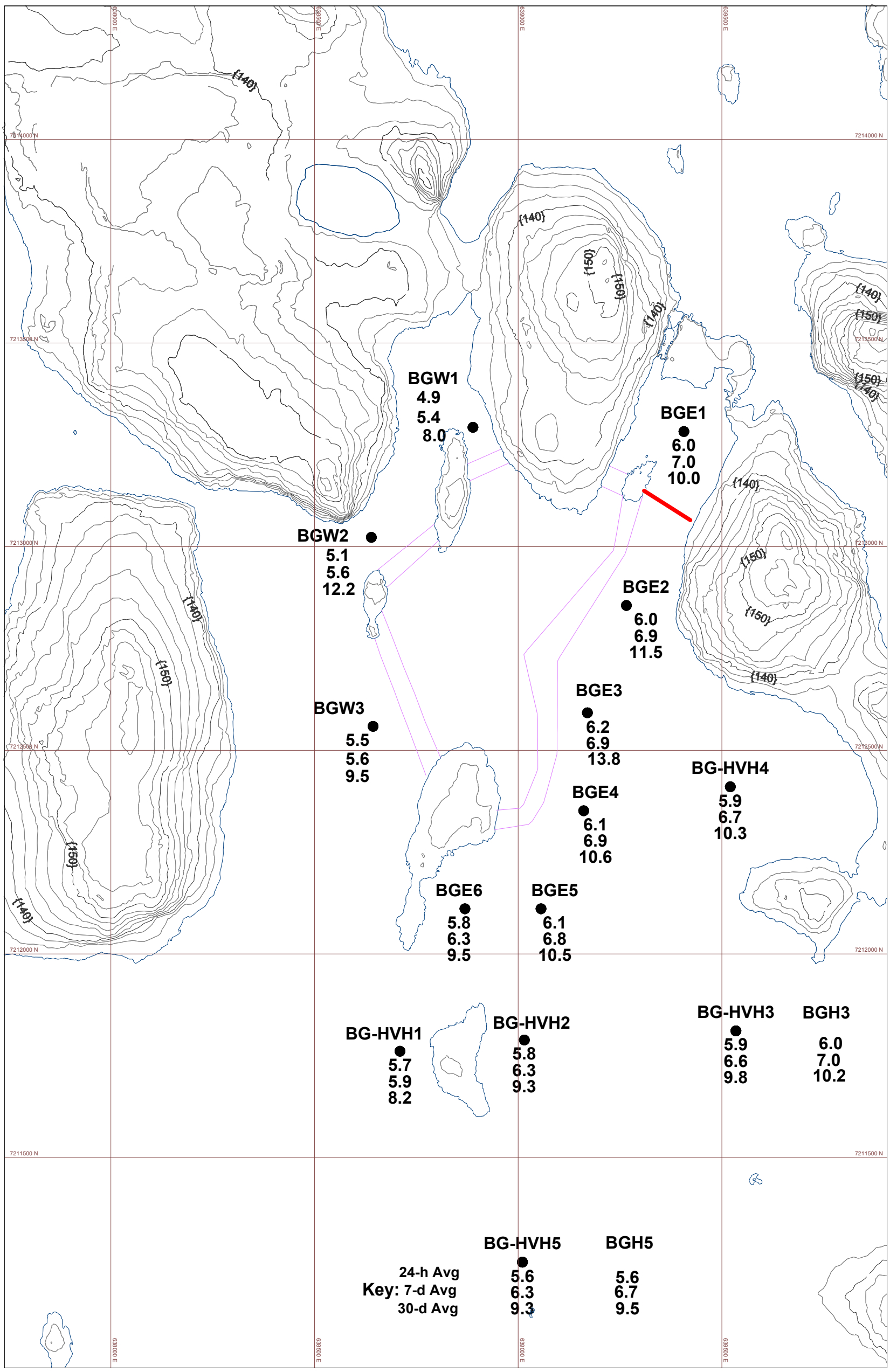

Legend

BG = Bay-Goose Routine Stations
HVH = High Value Habitat Stations
(BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m))

n/a = data do not cover full duration
NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

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MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF October 4, 2009 16:37
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf

From: Stéphane Robert
Sent: Saturday, October 10, 2009 7:56 PM
To: 'Wilson,Anne [Yel]'; 'Liu, Amy'; 'Balint, David'; 'David Abernethy'; 'Andrew.Keim@inac-ainc.gc.ca'; 'Luis Manzo'; 'Stephen Hartman'; 'dts@nunavutwaterboard.org'; 'Harden,Chad [Yel]'; 'peter.kusugak@inac-ainc.gc.ca'; 'ian.rumboldt@inac-ainc.gc.ca'
Cc: Louise Grondin; Larry Connell; Sylvain Doire; Rachel Gould; Denis Gourde
Subject: Bay Goose Dike construction Oct 7
Attachments: Bay-Goose TSS Figure 7 October 2009.pdf

Hi

One round of sampling was conducted at all routine stations Oct 7. Key results are as follows:

· **Overall** - TSS concentrations continued to decrease, as expected, with concentrations less than 6 mg/L at most stations.·Time-averaged (7-day or 30-day) TSS concentrations also continue to decline at all stations.

· **Routine Stations** - No exceedances.

· **High-value Habitat (HVH) Stations** - No short-term trigger (25 mg/L) exceedances. 30-day average TSS concentrations still exceed the 6 mg/L trigger for all HVH stations; however, 7-day average TSS concentrations no longer exceed this trigger for any HVH stations.

The average TSS concentration for the 14 stations of the Bay Goose dike construction is:

Short-term (24-hr): 5.4 m/L (2.8 to 6.2 mg/L) - Limit is 50 mg/L TSS triggers are not exceeded at any stations.

Monthly mean (30 days): 8.96 mg/L (7.9 to 11.4 mg/L) - Limit is 15 mg/L.

If you have any question do not hesitate to contact me.

AGNICO-EAGLE

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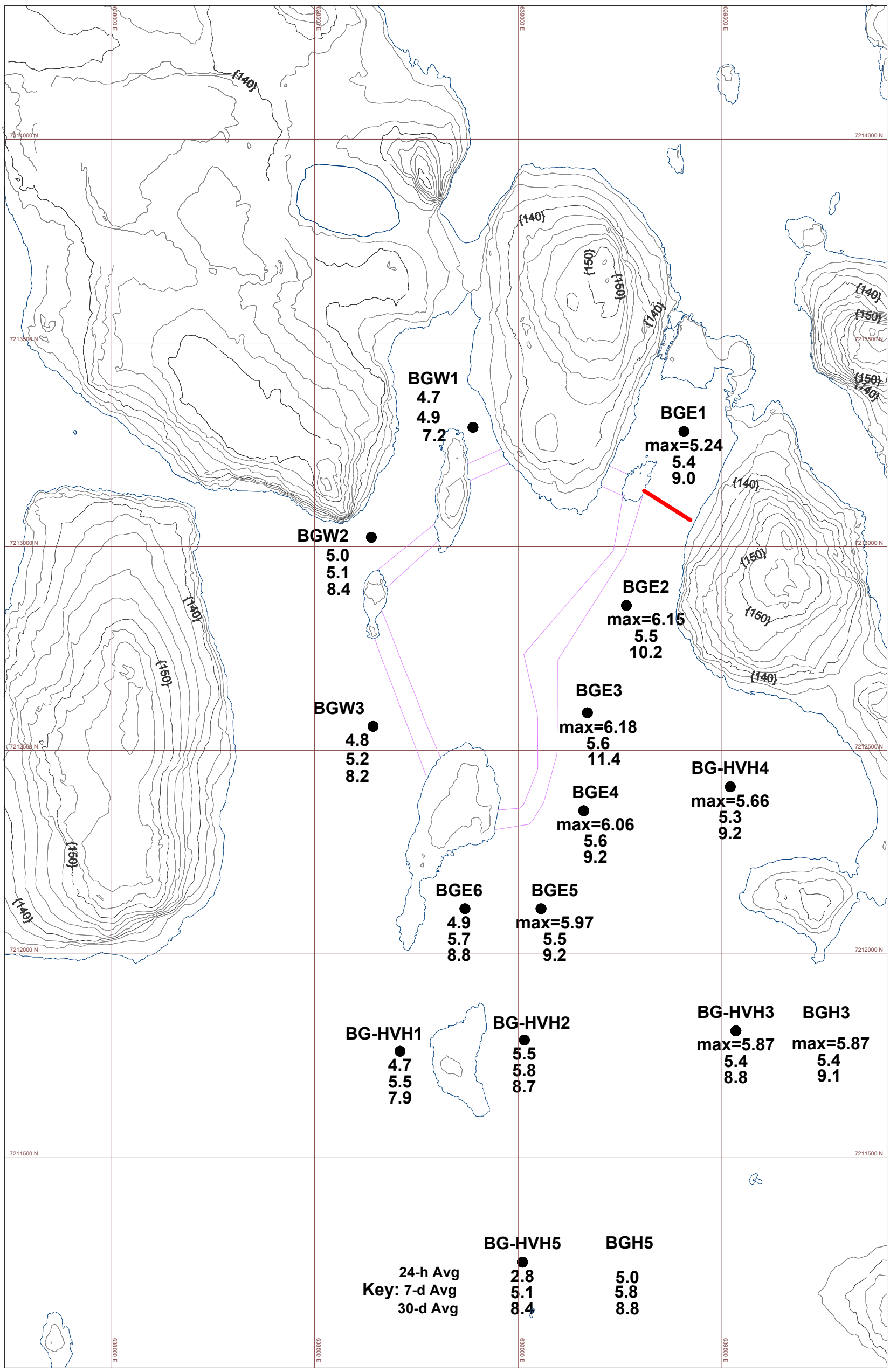

Legend
BG = Bay-Goose Routine Stations HVH = High Value Habitat Stations (BGH3 and BGH5 are at the same locations as the HVH stations, but cover full depth profile (i.e., >8m)) n/a = data do not cover full duration NS = not sampled

TSS Trigger Values (mg/L)

Station	24-hr	30-day
Routine	50	15
HVH_a	50	15
HVH_b	25	6
a = prior to Sept 1		
b = after Sept 1		

Azimuth Consulting Group Inc.

MEADOWBANK GOLD PROJECT
BAY-GOOSE DIKE CONSTRUCTION MONITORING 2009

MONITORING RESULTS AS OF October 7, 2009 11:12
TURBIDITY-BASED ESTIMATES OF TOTAL SUSPENDED SOLIDS (TSS IN MG/L)

FIGURE 1

Bay-Goose North4.grf