

Parks Canada Agency  
Repair of lock #9, Canal-de-Chambly  
Project N° CCHM 1446  
Addendum n° 03

THIS ADDENDUM COMPLETES, MODIFIES OR ELIMINATES CERTAIN ELEMENTS OF THE TENDER DOCUMENTS, WHICH THE ADDENDUM REFERS TO. IT IS AN INTEGRAL PART OF THE TENDER DOCUMENTS.

**PRECISIONS AND AMENDMENTS ON PLANS AND SPECIFICATIONS**

Following questions from the bidders (Q.), the following replies (R.) are provided as precisions and amendments to the drawings and specifications.

**1. MISCELLANEOUS INFORMATION**

**1.1 Levels of Canal Bed**

**Q. :** What are the levels of Canal Bed and water depth at the various work sites (upstream, downstream and downstream injection areas)?

- Only one Cofferdam height is specified at 1,5 m in the Contract Documents...please clarify.

**R. :** Water level in the upstream Reach will be lowered by the installation (by MTQ) of a cofferdam upstream of the Gouin Bridge. Water intake will come from leaks in the cofferdam at Gouin Bridge, outflow from City outfalls, and rain or snow/ice melting between Gouin Bridge and Lock #9. Consequently, water level upstream of Lock #9 could vary but it is assumed that a 1,5 m high cofferdam, measured from the top of upstream Lock Doors sill, will be sufficient to allow for the drydock of the lock. Water level upstream of the cofferdam will hence be less than 1,5 m above top of sill.

Water level of the downstream Reach shows important fluctuations depending on weather conditions and period of year. The average low-water level corresponds to approximately 100 mm above the top of downstream Lock Doors sill, and the average high-water level corresponds to approximately 900 mm above the downstream sill. Final total height of cofferdam depends on the location chosen by the Contractor. Final total height of cofferdam will depend on the water depth at the cofferdam location, due to local variations of the level of Canal Bed downstream of the Lock, and on the Contractor's choice to use only one cofferdam to ensure dry conditions of all work areas or use several cofferdams: a first one approximately 5 m downstream of the downstream doors, for the drydock of the Lock, and others to locally isolate and ensure dry conditions for the injections work zones on the downstream walls.

A bathymetry survey was conducted in 2001 over the area downstream of Lock #9. General profile results are shown in Annex 1 of this Addendum for information purpose to bidders. Bidders shall include contingencies as this survey dates back to 2001 and profile of Canal Bed might have changed since.

**1.2 Cofferdam**

**Q. :** In connection with cofferdam works, photo 18 of Annex III shows a cofferdam installed by PCA in 2018. Does PCA have cofferdams in inventory that could be used for this project in order to reduce costs?

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**R.** : No cofferdam is available for the complete duration of works at Lock #9. Contractor is responsible for supplying and installing its own cofferdams at upstream and downstream locations.

**1.3** Wood and Bolts Schedules (Tables)

**Q.** : Please confirm that the Quantities given in the Wood and Bolts Schedules shown on Plan ST.16 are those for only one Door.

**R.** : Quantities given are effectively for one (1) Door only.

**1.4** Plan 19/31 : Clarification

**Q.** : On the detail « Upstream side face » on Structure Plan 19/31, dimensions in French and English do not correspond (5-63x146 vs 5-75x146). Please clarify.

**R.** : The correct dimensions for the White Oak pieces are : 63 x 146.

**1.5** Price Form : Item 2.7.3 « Guardrail modifications »

**Q.** : What Guardrail modification Works are payable under Item 2.7.3 (Guardrail modifications) versus Item 2.14.1 (New Arrangements) (See description of payment page 16 of 22)?

**R.** : Item 2.7.3 covers Works for the guardrails to be replaced on the access ramps (inclined portions) for the downstream Doors, as shown on detail 23.6 of Plan 23/31. All other modification Works on guardrails (excluding those on Doors or Footbridges), in particular those required for the Rack Trenches Reconstruction Works (Structure Plans 28/31, 29/31 and 30/31), are payable under Item 2.14.1.

**1.6** Price Form : Item 2.14.7 « Coping Stone »

**Q.** : What are the details for the Works to be carried out under Item 2.14.7 (Coping Stone)? There doesn't seem to be details shown on plans nor technical specifications in the Specs.

**R.** : Coping Stones are those required for the reconstruction of Rack Trenches on the Right Side Wall, as shown on Structure Plan 28/31.

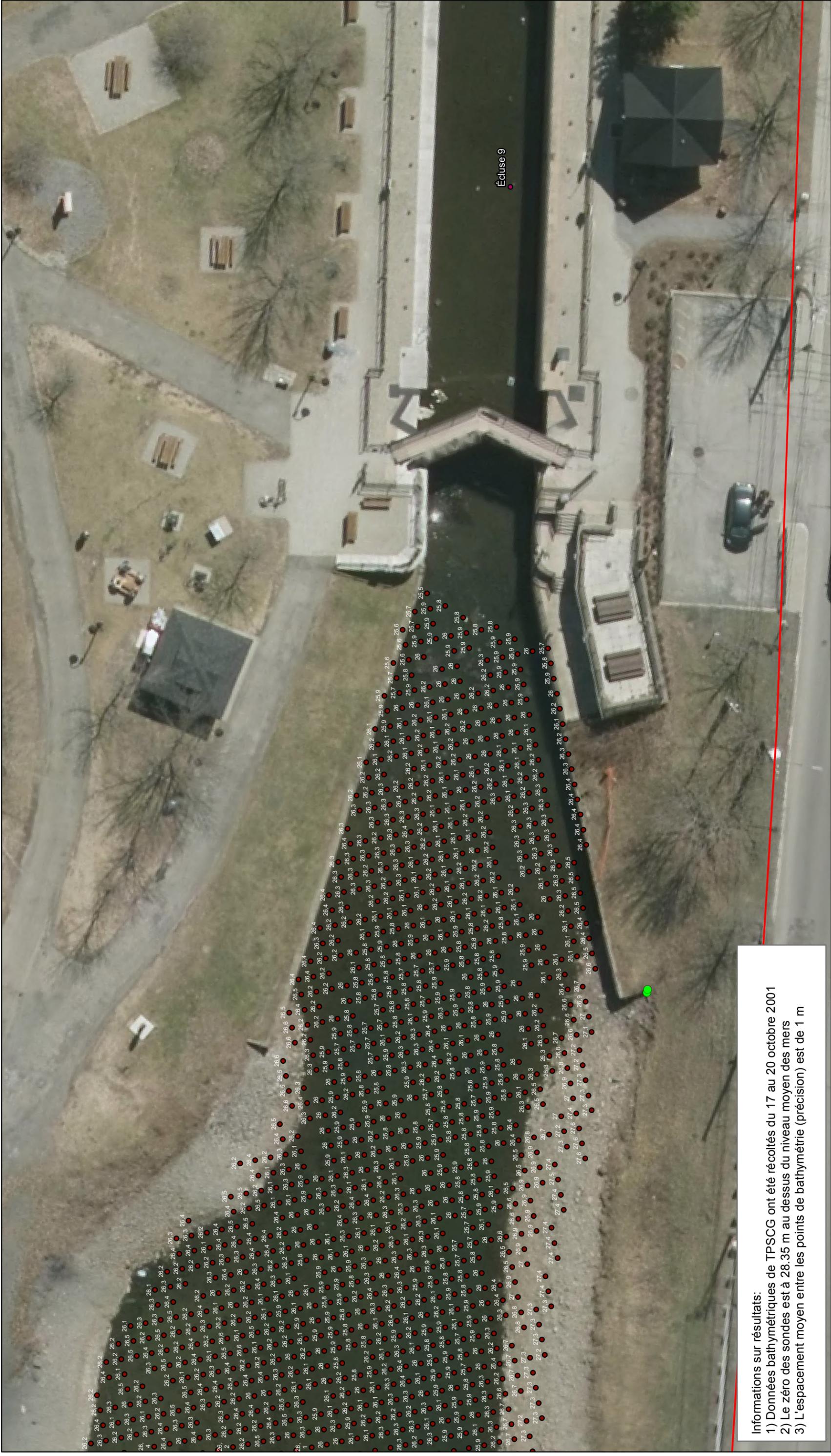
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ANNEX 1

Bathymetry Survey downstream of Lock #9 (2001)



**Informations sur résultats:**

- 1) Données bathymétriques de TPSCG ont été récoltés du 17 au 20 octobre 2001
- 2) Le zéro des sondes est à 28.35 m au dessus du niveau moyen des mers
- 3) L'espacement moyen entre les points de bathymétrie (précision) est de 1 m

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