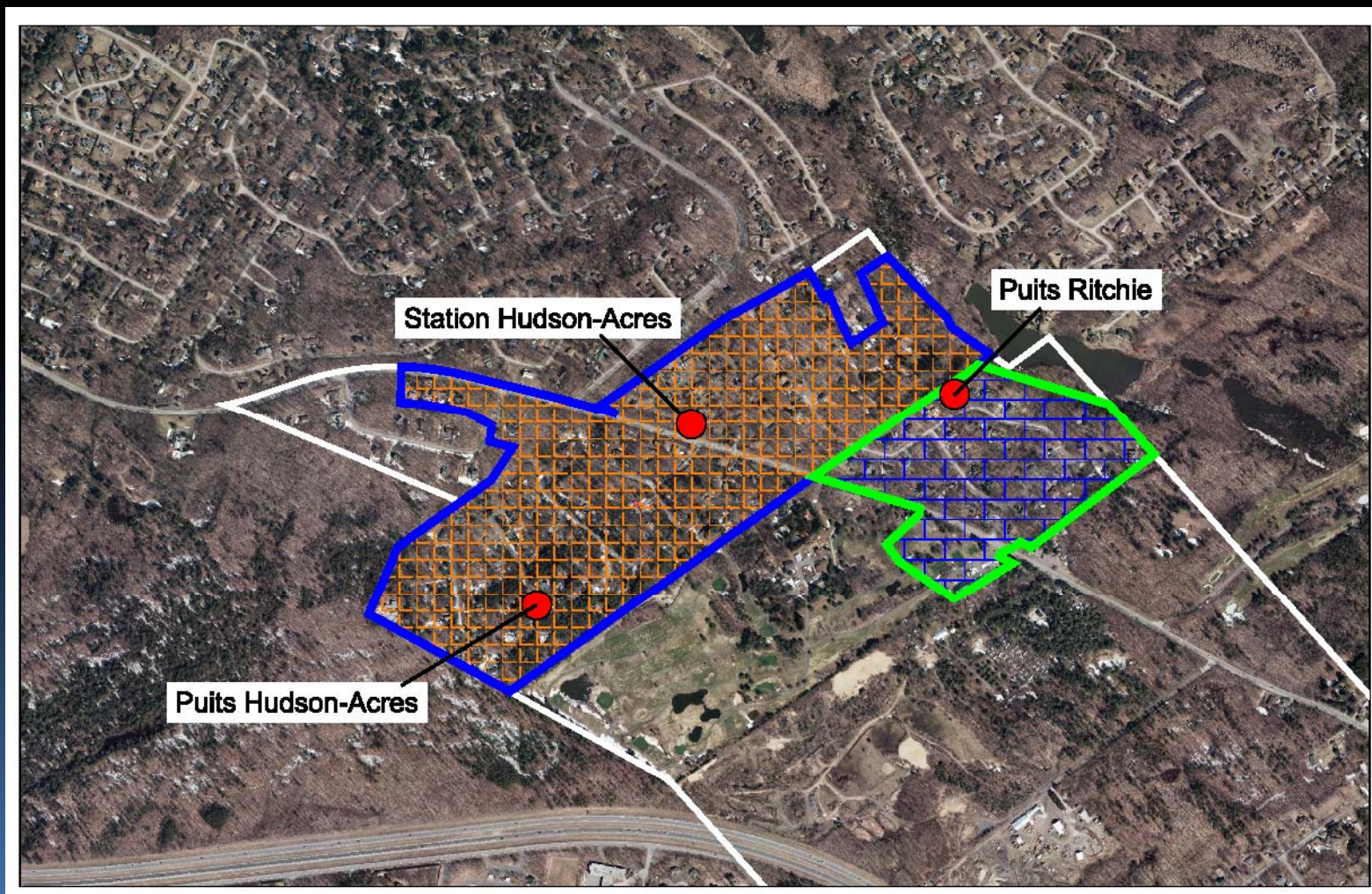


Drinking water issue

RITCHIE and HUDSON-ACRES sectors

FEBRUARY 8, 2017

LOCATION



History, actions and interventions

Ritchie well

- December 2015: The well cracked and the quality of the raw water significantly deteriorated.
- January 2016: The Ritchie well was closed. The sector was then supplied by the Hudson-Acres well and a boil-water advisory was issued for the Ritchie network.

History, actions and interventions



Filter cartridge from the Ritchie well after 3 hours of operation compared to a new cartridge

History, actions and interventions

Hudson-Acres well

- October 2013: The microbiological monitoring conducted on the well's raw water revealed the presence of enterococci bacteria. The drinking water facility that supplies the neighbourhood is equipped with a disinfection system that no longer meets provincial norms adopted in 2001. This is the reason why the water supply is subject to a boil-water advisory.
- April 2014: A camera inspection of the well revealed a perforation.

History, actions interventions

Puits Hudson-Acres

- April 2015: Meeting with residents of the Hudson-Acres sector and presentation of different possible solutions (new well or extension of water pipes).
- May 2015: Residents of the Hudson-Acres sector are surveyed and appear to favour the project aimed at supplying drinking water from the filtration plant and extending the pipe: 76%* of respondents preferred this solution despite the fact that no grant has yet to be provided. (\$1,380/year for 20 years) * (54 respondents out of 71)
- 2014 to 2016: The municipal filtration plant is updated and expanded. Production capacity goes from 16,500 m³/day to 40,000 m³/day.

History, actions and interventions

Hudson-Acres well

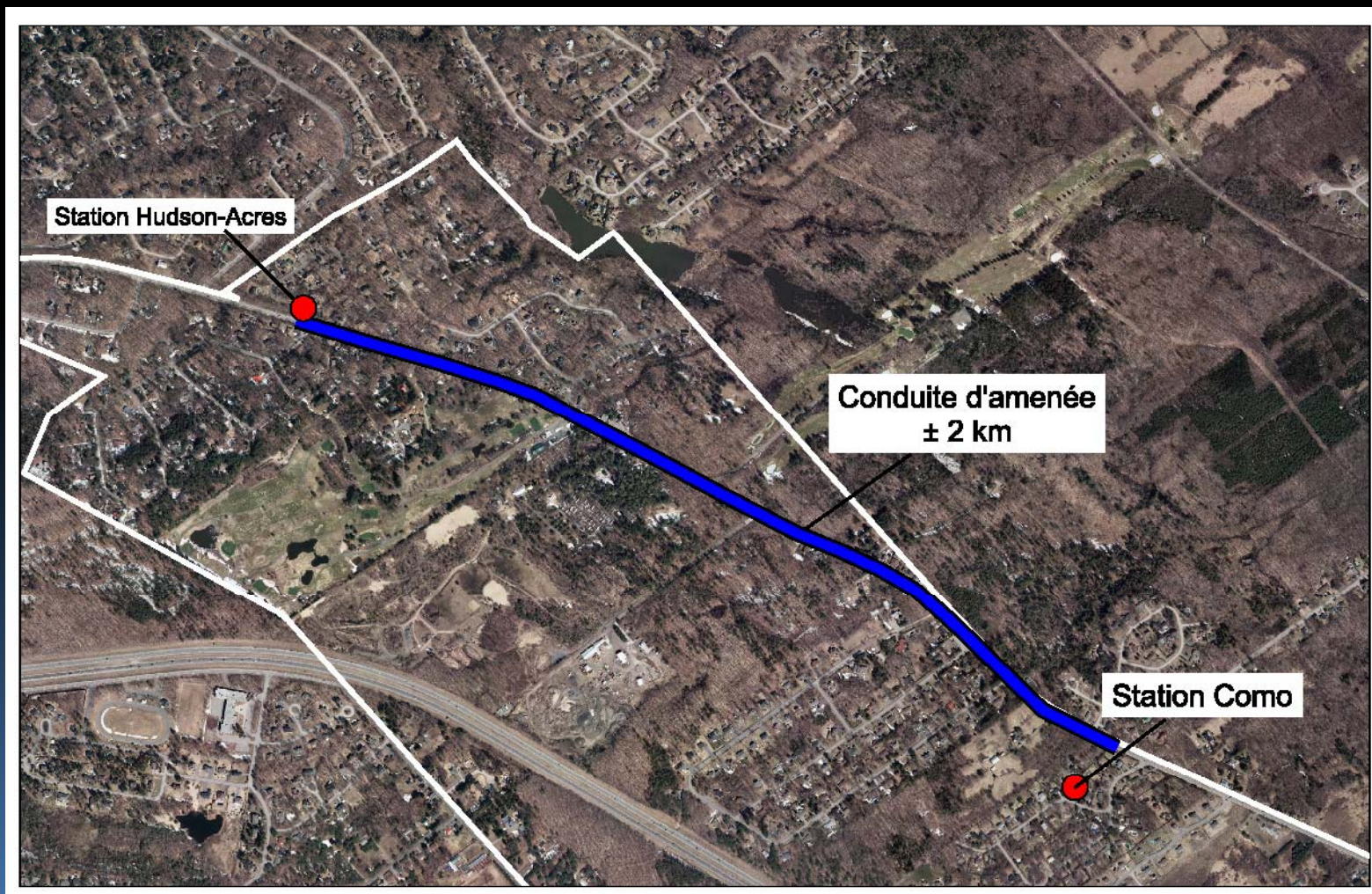
- July 2015: A resolution is adopted and request for funding is filed.
- May 2016: The project is approved by the MAMOT. It authorizes the preparation of tender documents for the professional services that will be required to prepare the plans and specifications.
- January 2017: Approval of tender documents for professional services and launch of the bidding process.

Supply the sector by extending the water supply pipe from the Como sector

Estimated cost of the work: **\$2,000,000**

- Description of the work: 2,200-metre water pipe, pumps, connections and modifications to pumping stations.
- Supplying drinking water from the filtration plant would guarantee good quality drinking water in ample supplies.

SOLUTION



Timeline and next steps to be taken

ID	Étapes principales du projet	2017											2018	
		févr.	mars	avr.	mai	juin	juil.	août	sept.	oct.	nov.	déc.	janv.	févr.
1	Plans et devis techniques	6 février au 22 mai 2017												
2	Approbation des plans et devis par le MAMOT	MAMOT 22 mai au 18 sept 2017												
3	Processus Appel d'offres « Entrepreneur »	18 sept au 18 octobre 2017												
4	Réalisation des travaux	18 octobre 2017 au 18 février 2018												

	Evaluation of \$300,000 over a period of 20 years	Evaluation of \$300,000 over a period of 30 years
Future regulation for a water supply line \$1,000,000 (Cost of work: \$2,000,000 – funding provided for 50%)	\$500	\$405
Total cost	\$10,000	\$12,150
Regulation in effect for expanding the filtration plant	\$145	
Total annual cost	\$645	\$550

QUESTION PERIOD