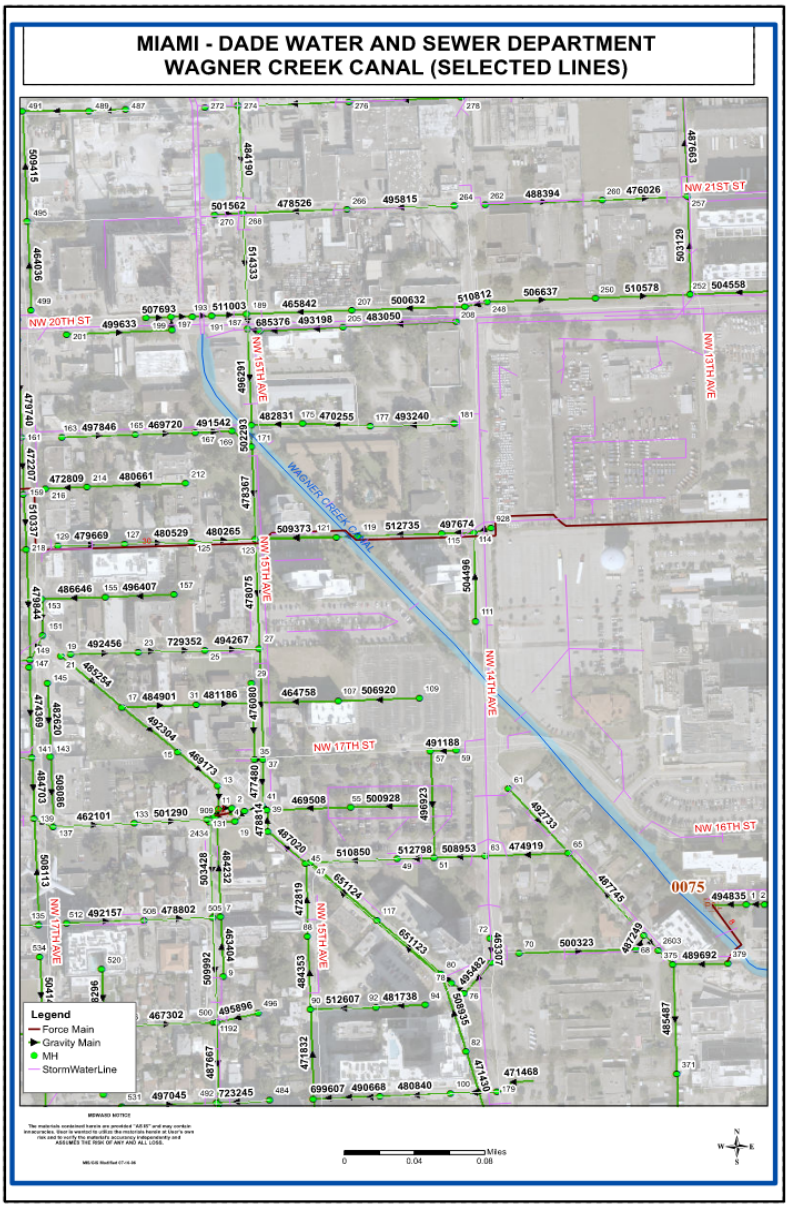
MIAMI-DADE WATER AND SEWER DEPARTMENT

Wagner Creek Canal Assessment

July 2024



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Overview

The Wagner Creek canal is a tributary of the Miami River in Miami, Florida that drains out the Biscayne Aquifer.

It is 1.6 mile long and emerges above ground south of NW 20th Street between 15th and 17th avenues.

From there it flows southeast passing under SR836 towards 11th Street and meets the Miami River west of 5th Street and 7th Avenue.

Along the 1.6 mile from 20th Street to the Miami River, we have identified seven (7) locations where the WASD System crosses the Wagner Creek Canal.

WASD's investigation involved dye tests and visual inspections to check for leaks at the force main and gravity main crossings with the canal.

The results were negative at all the locations, with no trace of dye or leaks found

Inspection Log

Location	Address	Description	Type of Inspection		Results		Comments
			Dye	Visual	Positive	Negative	
1	1500 NW 20th Street	Start of Wagner Creek Canal	x	x		x	Dye in manhole #193 (EAMID 373344) to verify leaks in the gravity main crossing the canal
2	NW 15th Ave and NW 19 Ter	PS 0054 - 42" Gravity main	x	x		x	Dye in manhole #173 (EAMID 384958) to verify if 42" gravity main has leaks
3a	1441 NW 19 Street	PS 0054 - 30" Force Main		x		x	Visual Inspection of 30" Force Main with no signs of leaks
3b	1441 NW 19 Street	PS 0054 - 16" Gravity main	x	x		x	Dye in manhole #121 (EAMID 343180) to verify if 16" GM has leaks
4	1310 NW 16 Street	PS 0075 - Force Main	x	x		x	Force main dumping into MH 379 (EAMID 358995). Dye test at the wet well with no signs of leaks in the Wagner Canal.
5	NW 12th Ave and NW 14th Street	18" Gravity Main	x	x		x	Dye in manhole #270 (EAMID 382095) to verify if 18" gravity main has leaks
6	1150 NW 14 Street	PS 0045 - Force Main		x		x	Visual Inspection of 10" Force Main with no signs of leaks
7	617 NW 7th Street	60" Interceptor	x	x		x	Dye in manhole #105 (351520) to verify if 60" interceptor has leaks into the canal

Location #1: 1500 NW 20th Street

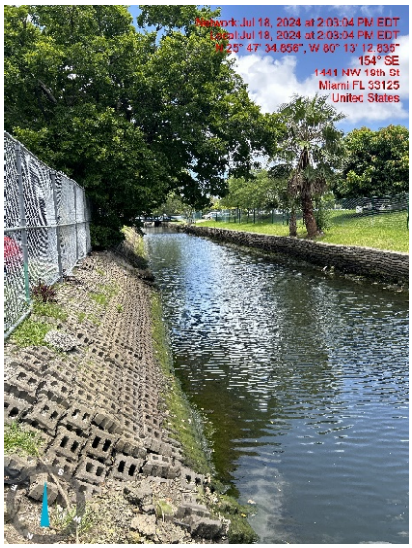
This is the starting point of the Wagner Creek Canal, dye was introduced into manhole # 193 located on 20th Street, no traces were detected in the canal.

Location #2: NW 15th Ave & NW 19 Ter

This location is where the 42" gravity line crosses the Wagner Creek Canal. Dye was introduced at manhole # 173 the result was negative. No traces were detected into the canal.

Location #3a: 1441 NW 19th Street

This location is where the 30" force main coming from PS 0054 crosses the Wagner Creek Canal. We did a visual inspection of the canal, and no issues were found.



Location #3b: 1441 NW 19th Street

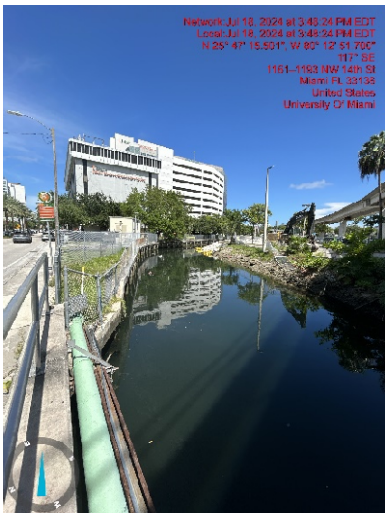
This location is where the 16" gravity main coming from PS 0054 crosses the Wagner Creek Canal. Dye was introduced into manhole #121 and no traces were detected in the canal.

Location #4: 1310 NW 16th Street

This location is where pump station 0075 is located. Dye was introduced into the wet well and tracked the force main that discharges in manhole 379. No trace of dye was detected in the canal.

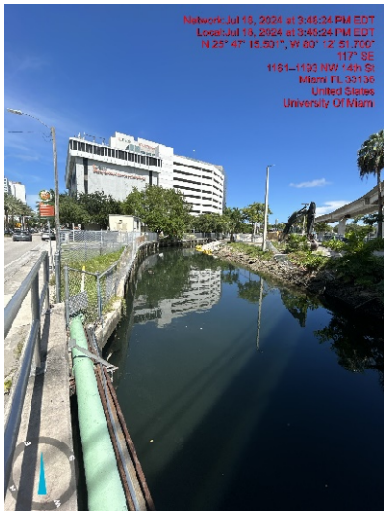
Location #5: NW 12th Ave & NW 14th Street

This location is where the 18" gravity main crosses the canal. Dye was introduced into manhole #270 and no signs of dye was detected in the canal.



Location #6: 1150 NW 14th Street

This location is where a 10" force main coming from PS 0045 is located. We did a visual inspection and no issues were found.



Location #7: 617 NW 7th Street

This location is where the 60" interceptor crosses the Seybold Canal. Dye was introduced into manhole #105 with no signs of dye in the canal.

Conclusion

After conducting the field investigation of the Wagner Creek Canal, no sources of contamination from our WASD system or at the crossing points were identified.