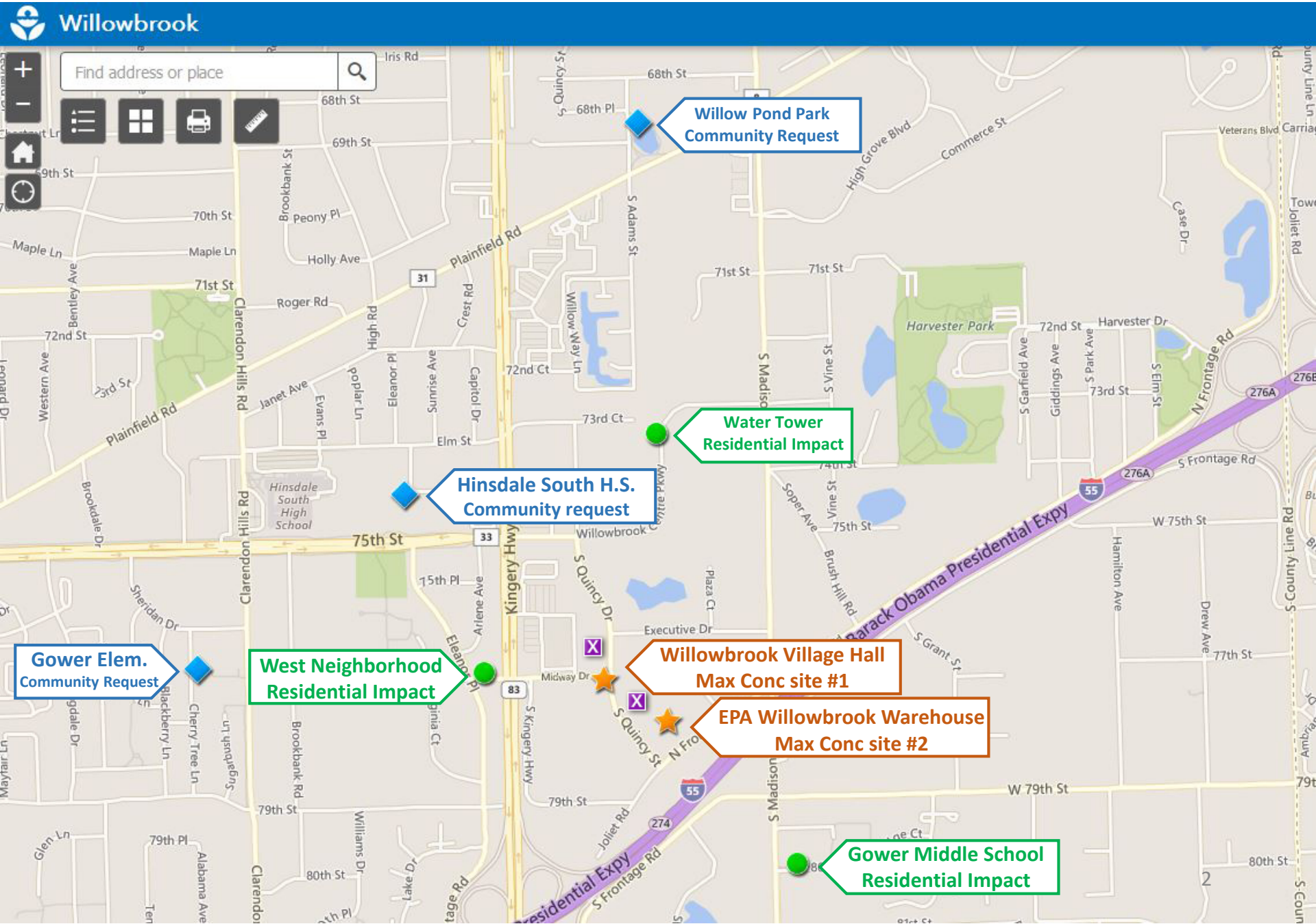


Update on EPA Ethylene Oxide Monitoring Data

Willowbrook, IL

Tuesday, February 5, 2019

Willow Brook EtO Monitoring Network



2018/2019 3-Day EtO Sampling Through January 2019

November						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	TB	14	15	16	17
18	19	20	21	22	23	24
25	26	27	TB	29	30	

December						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	TB	7	8
9	10	11	12	TB	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

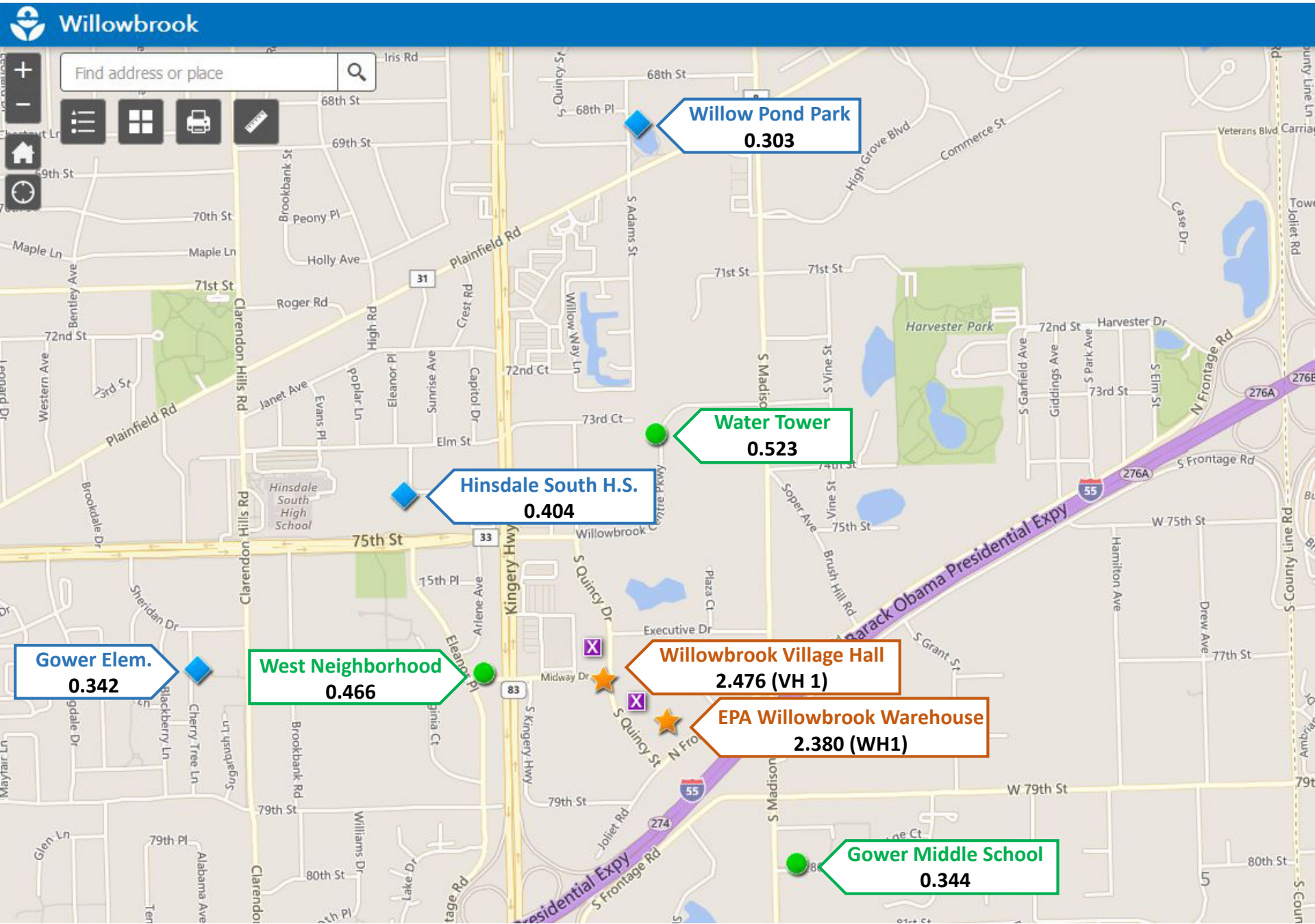
January						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	TB	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Standard Sample Collection

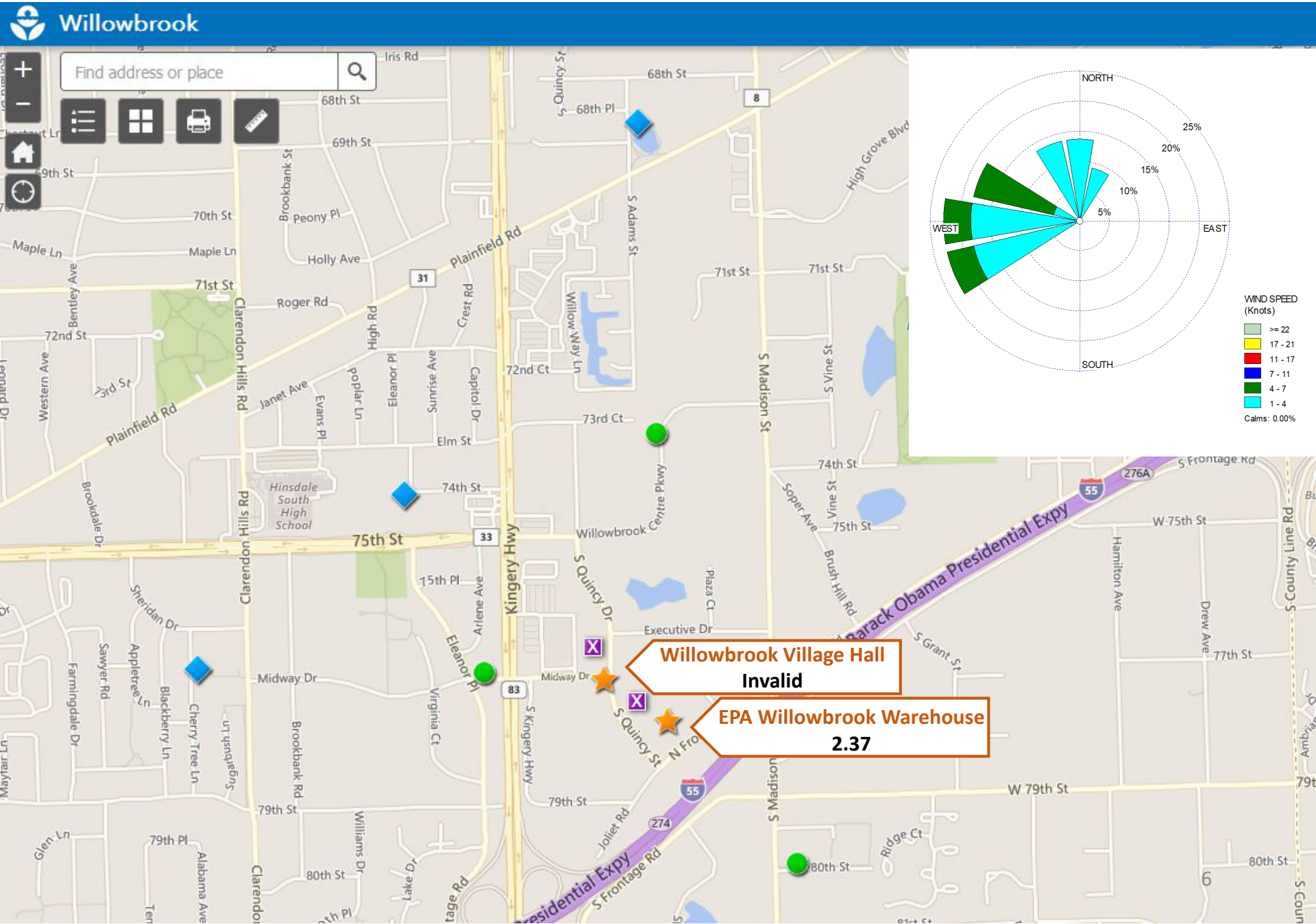
TB Trip Blank Collection

EtO Concentrations

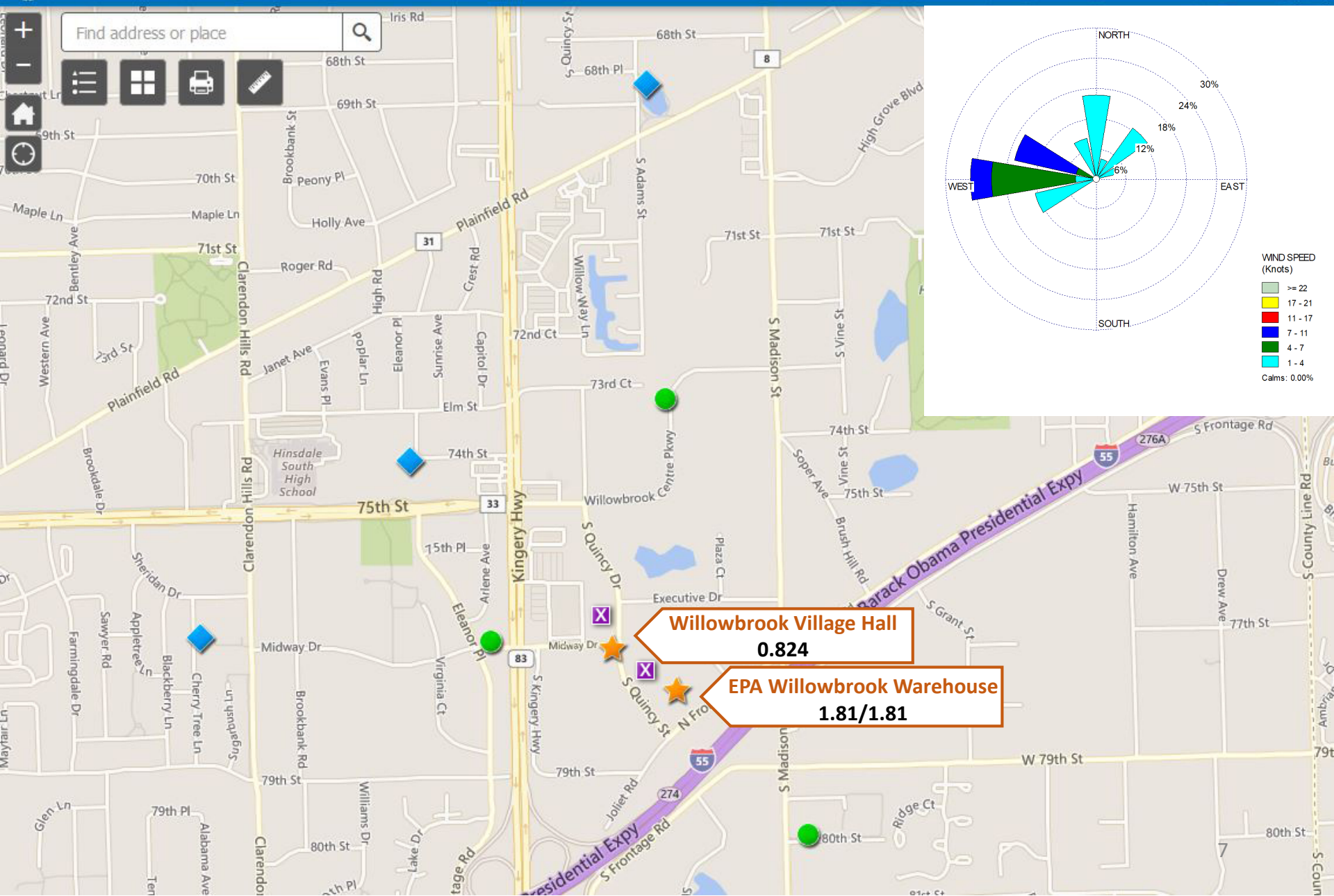
Average EtO Concentrations ($\mu\text{g}/\text{m}^3$) – November 13-December 28, 2018



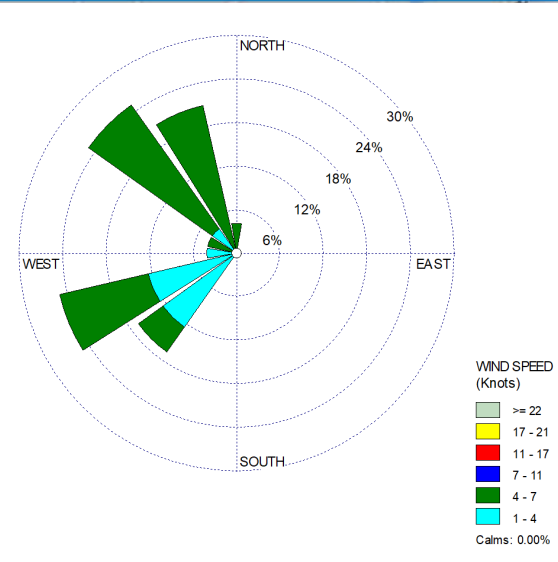
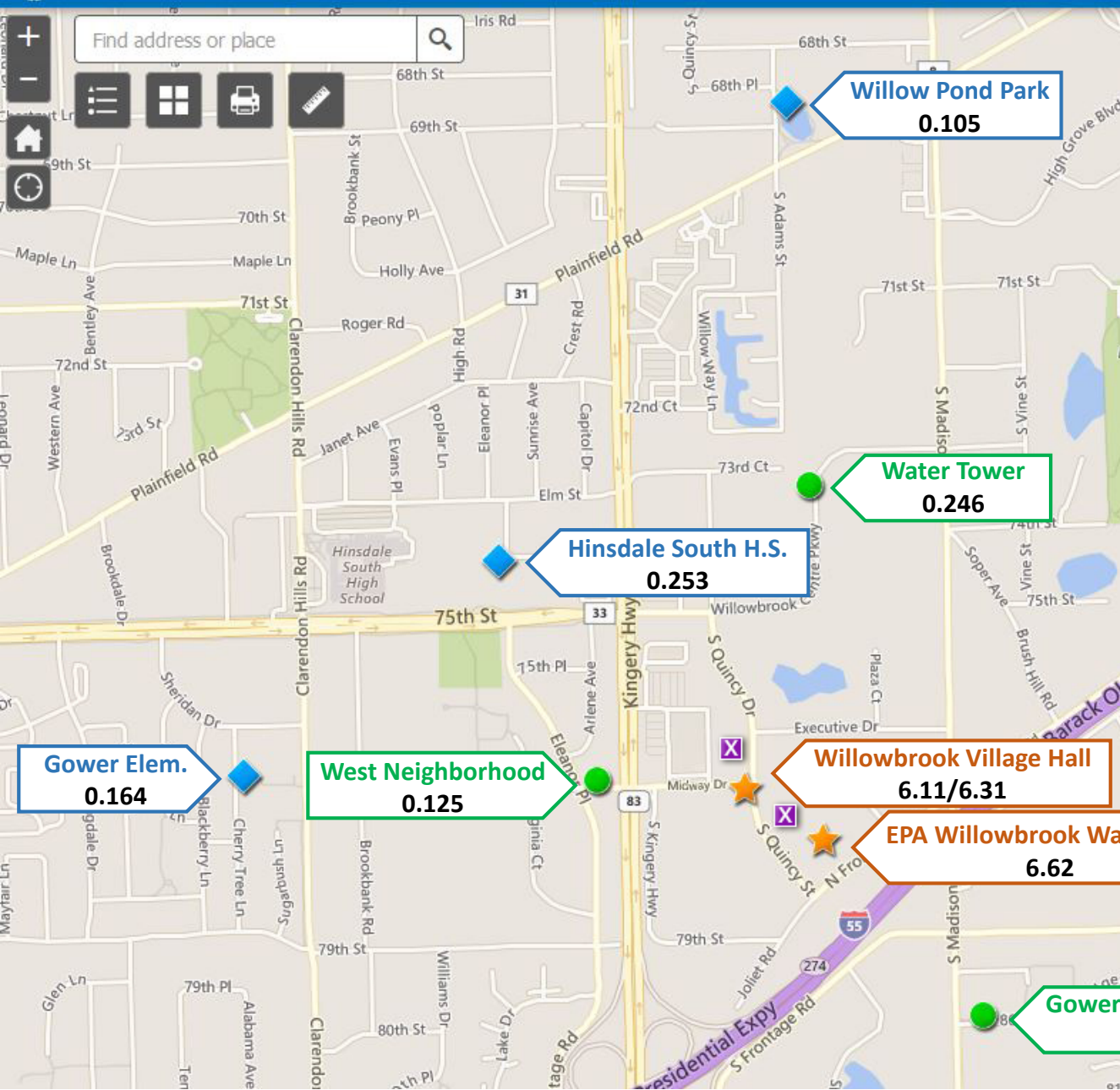
November 13, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



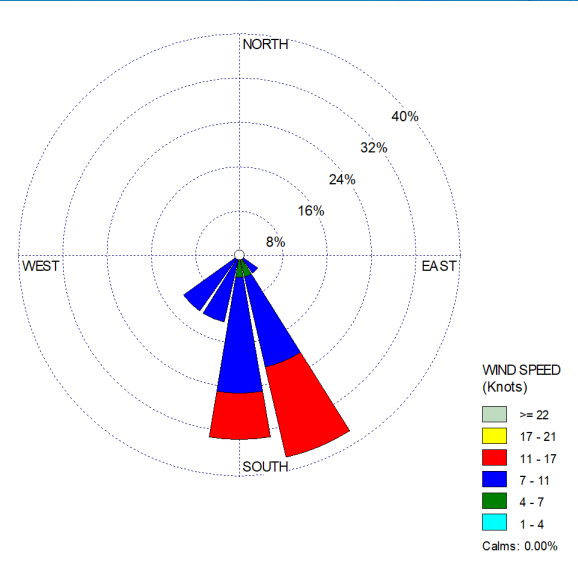
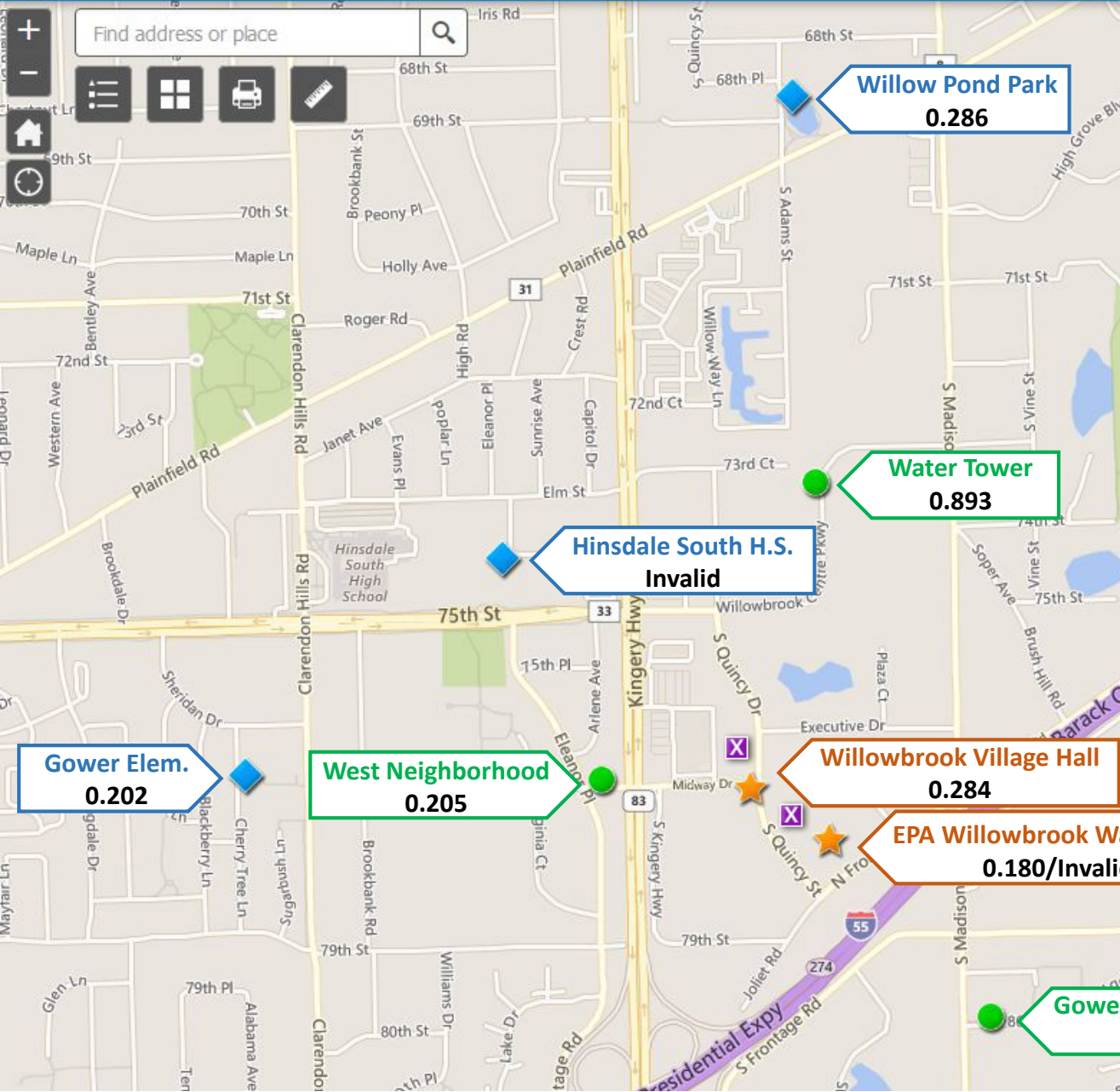
November 16, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



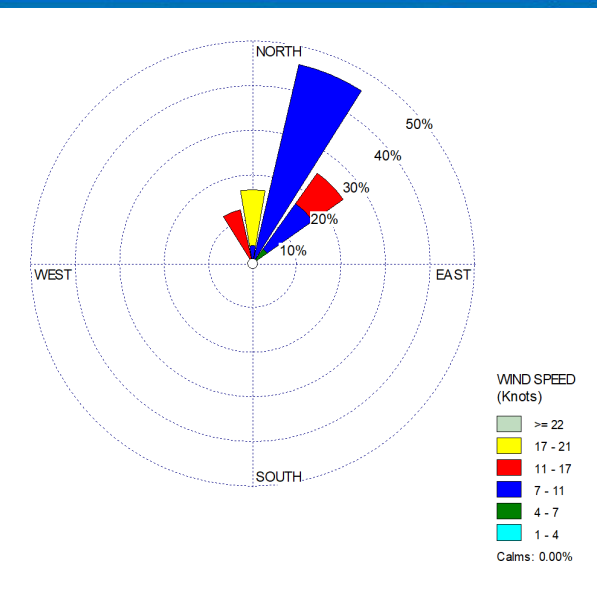
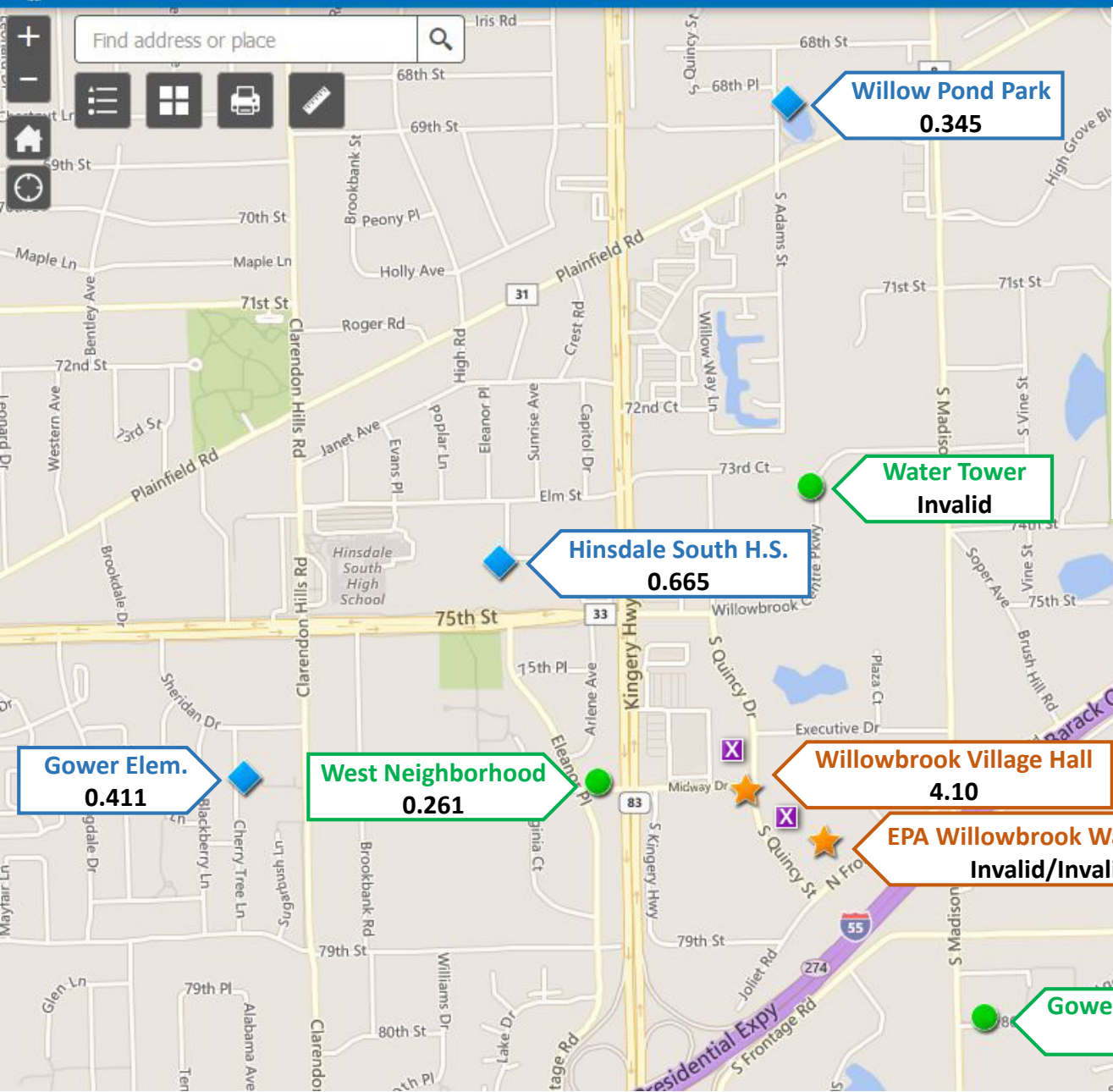
November 19, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



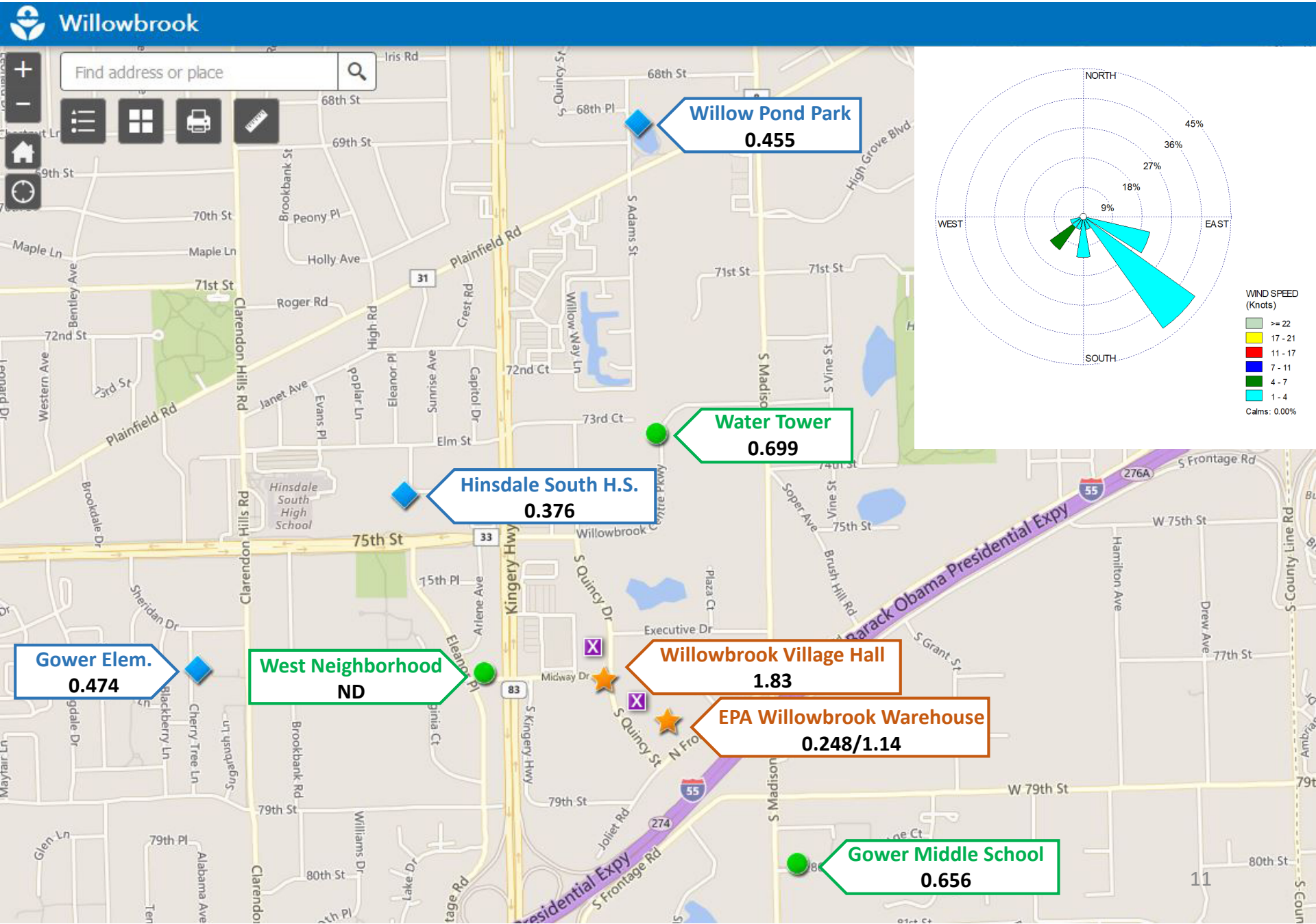
November 23, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



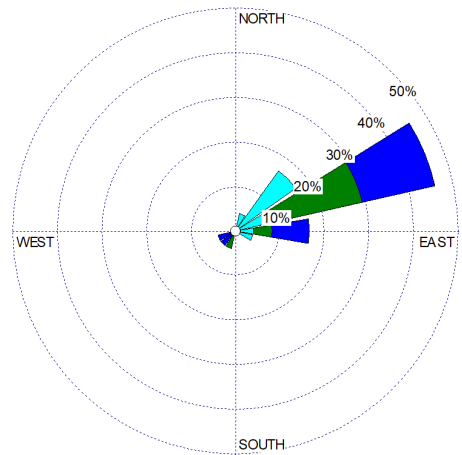
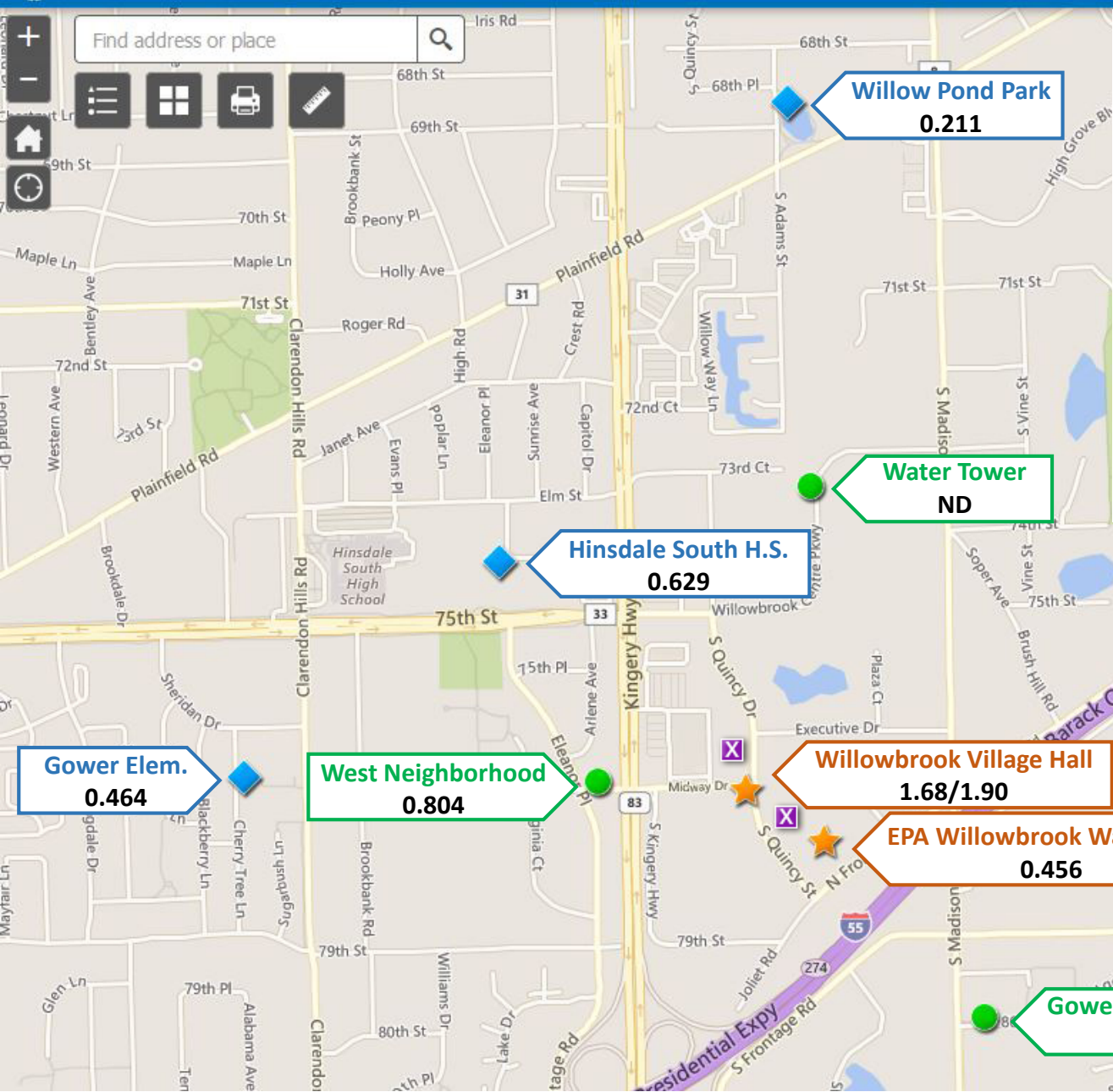
November 25, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



November 28, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



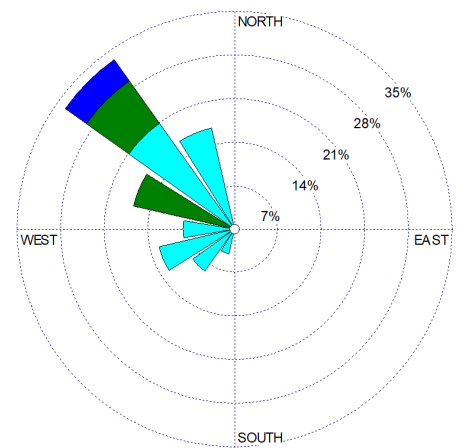
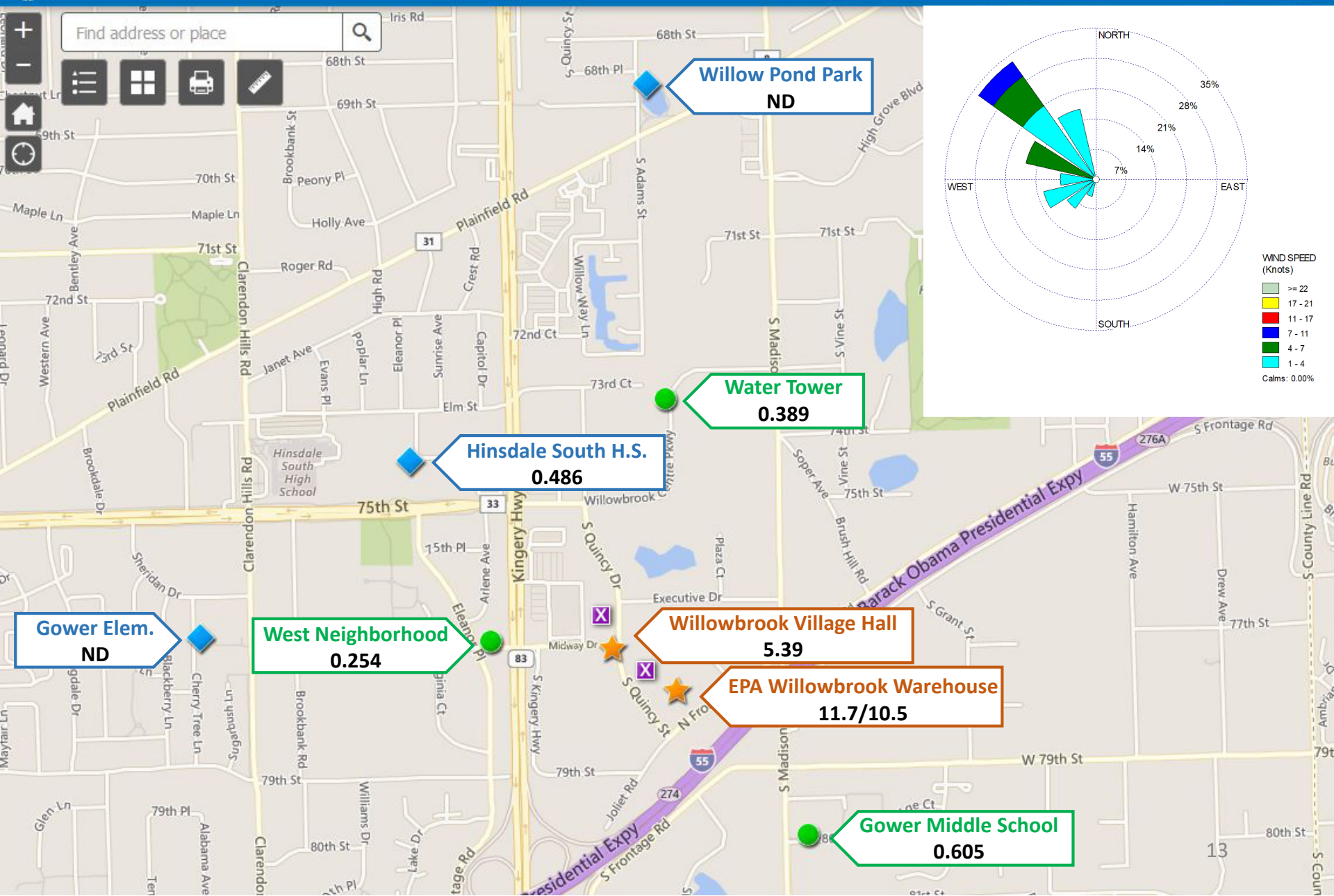
December 1, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



WIND SPEED (Knots)

- ≥ 22
- 17 - 21
- 11 - 17
- 7 - 11
- 4 - 7
- 1 - 4
- Calms: 0.00%

December 6, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



Gower Elem.
ND

West Neighborhood
0.254

Hinsdale South H.S.
0.486

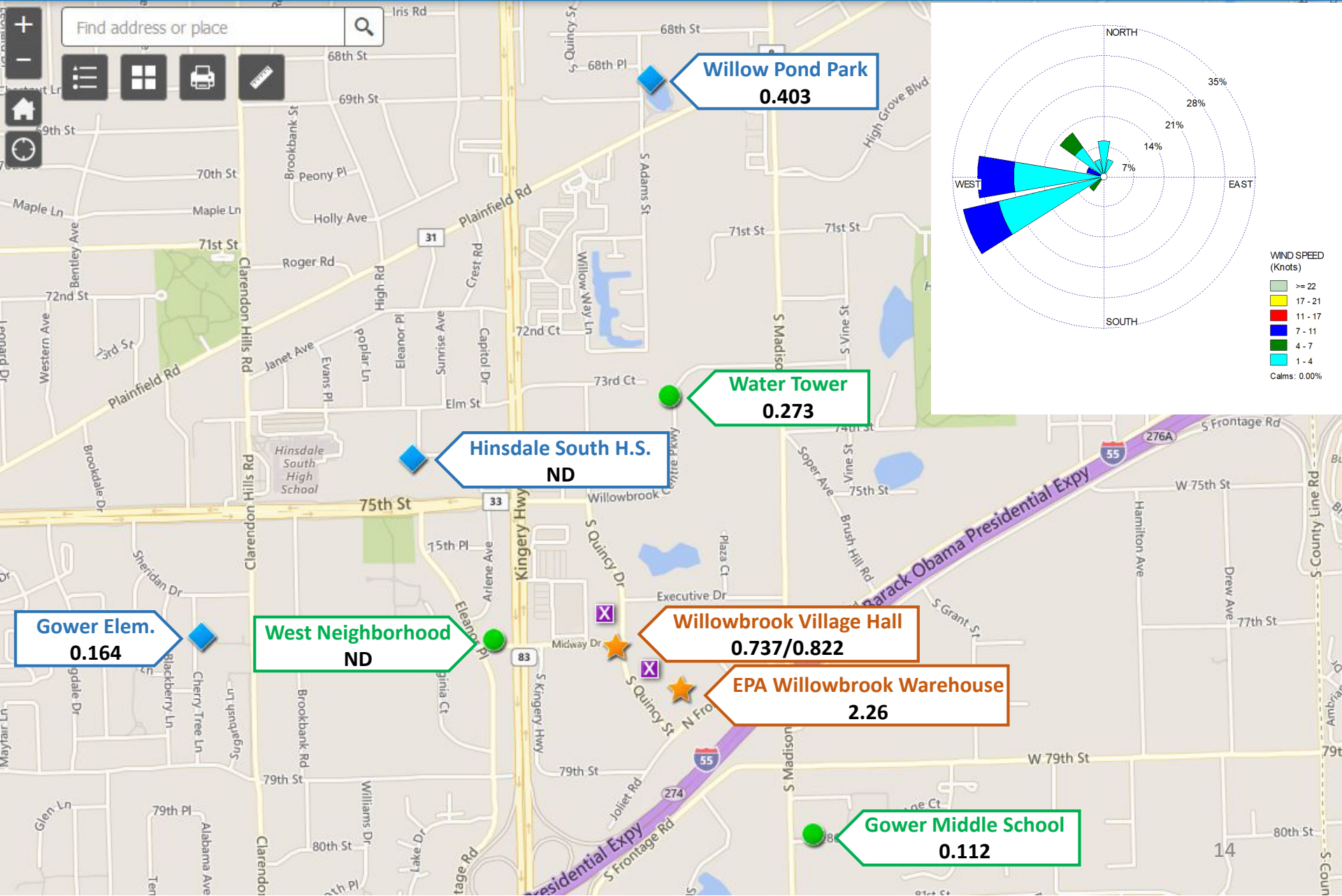
Water Tower
0.389

Willowbrook Village Hall
5.39

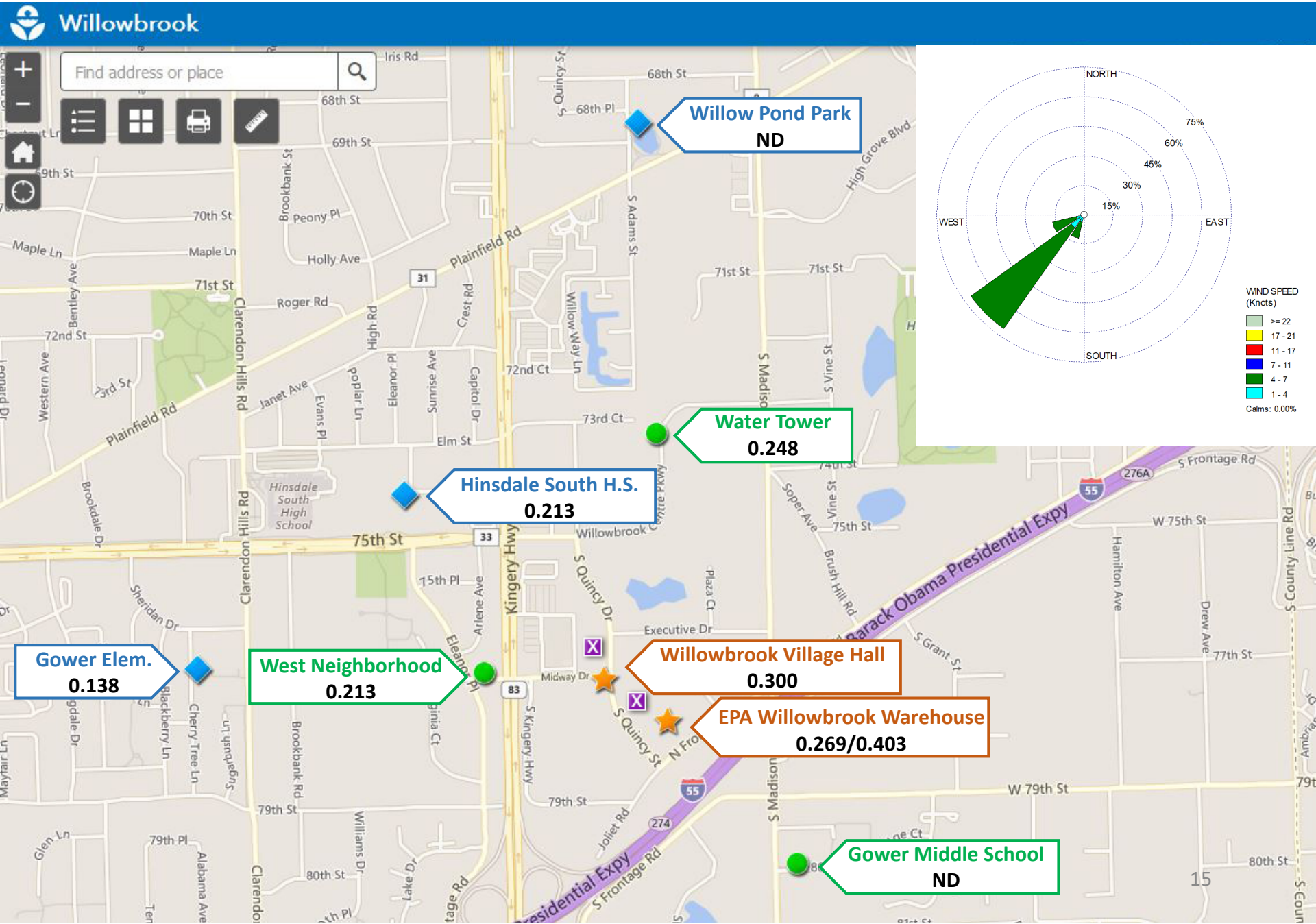
EPA Willowbrook Warehouse
11.7/10.5

Gower Middle School
0.605

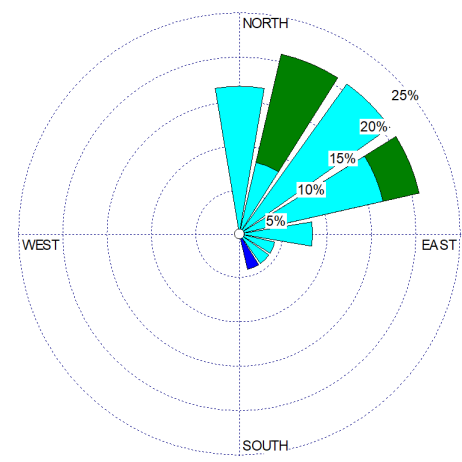
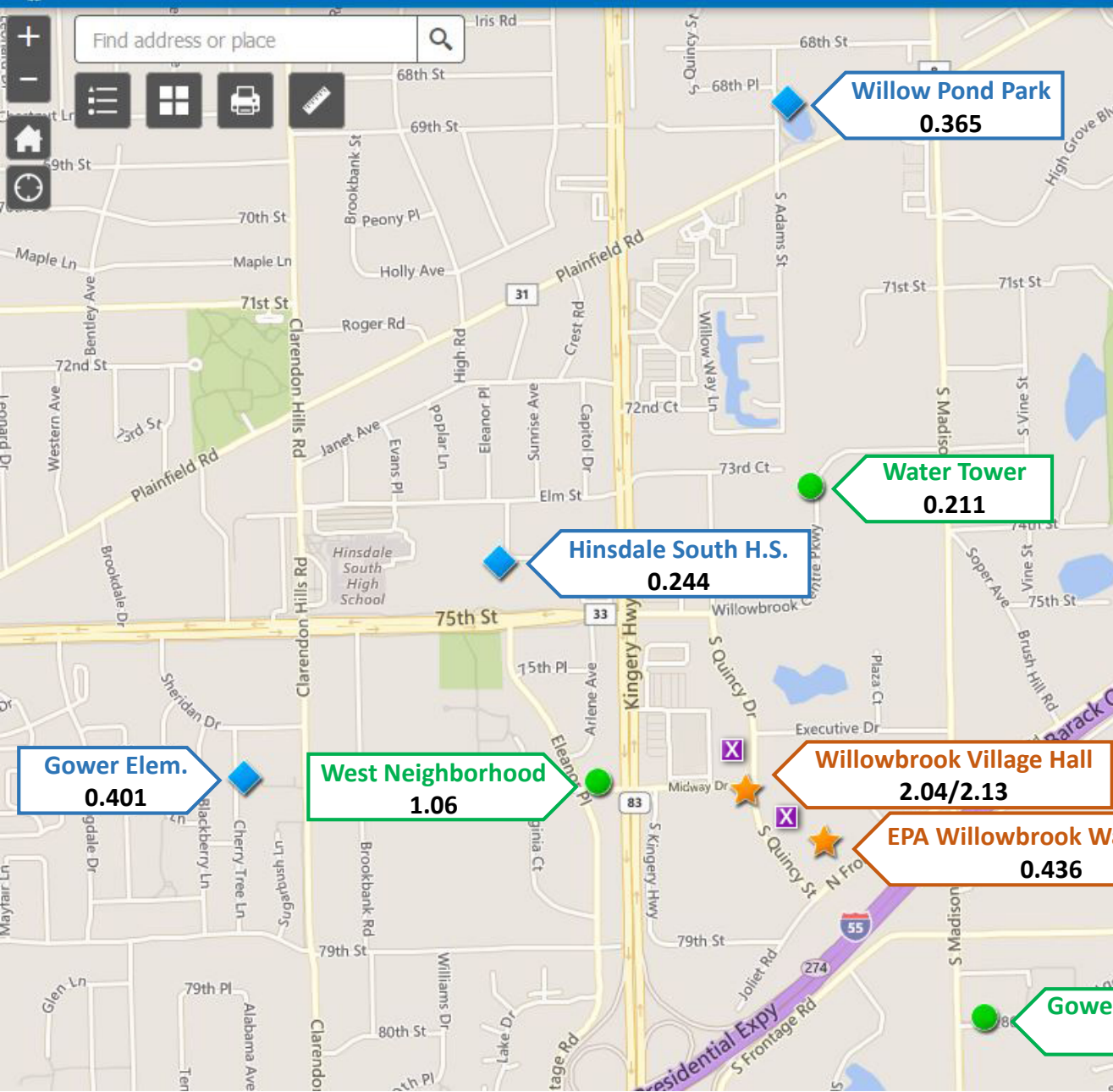
December 7, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



December 10, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



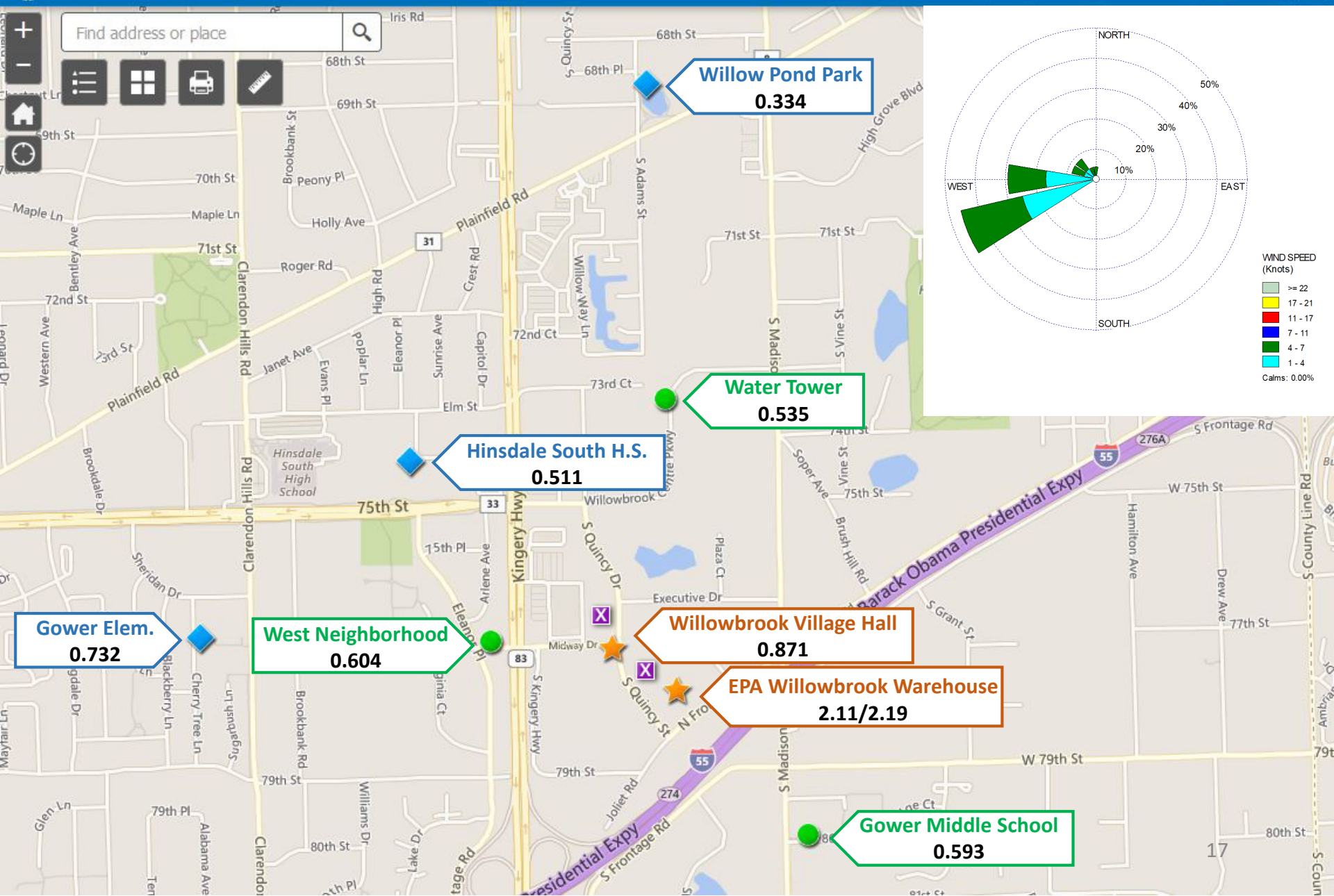
December 13, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



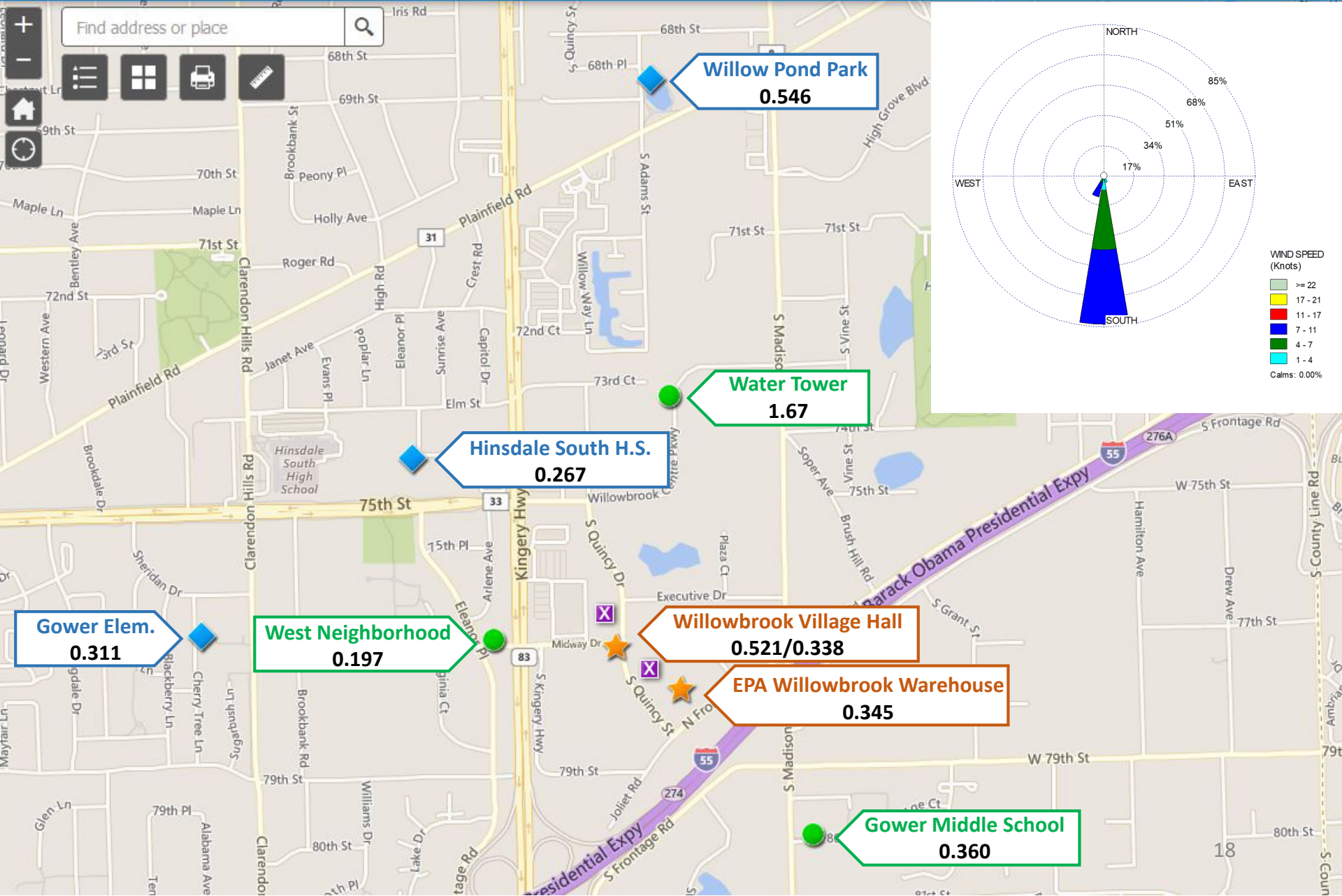
WIND SPEED (Knots)

- ≥ 22
- 17 - 21
- 11 - 17
- 7 - 11
- 4 - 7
- 1 - 4
- Calms: 0.00%

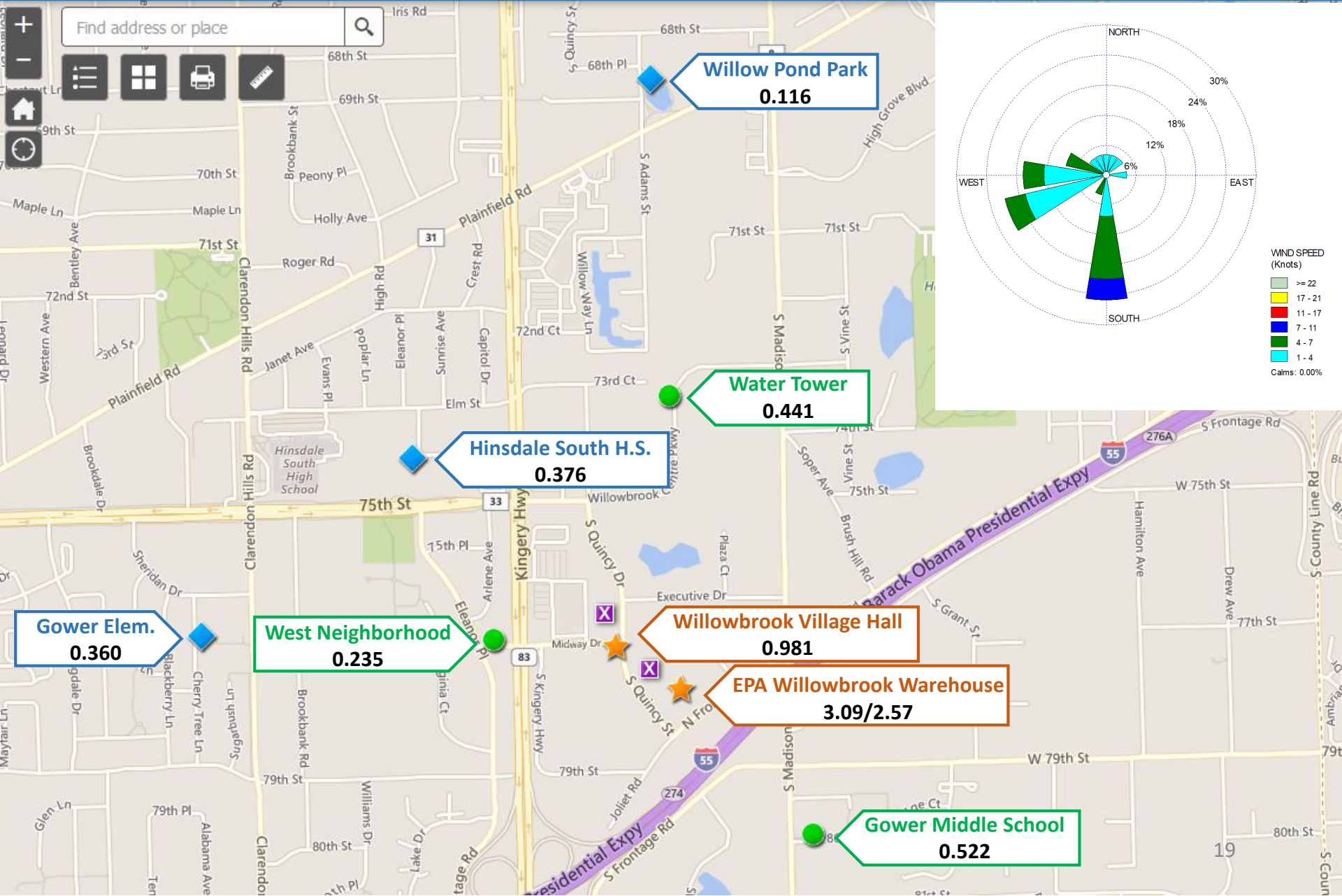
December 16, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



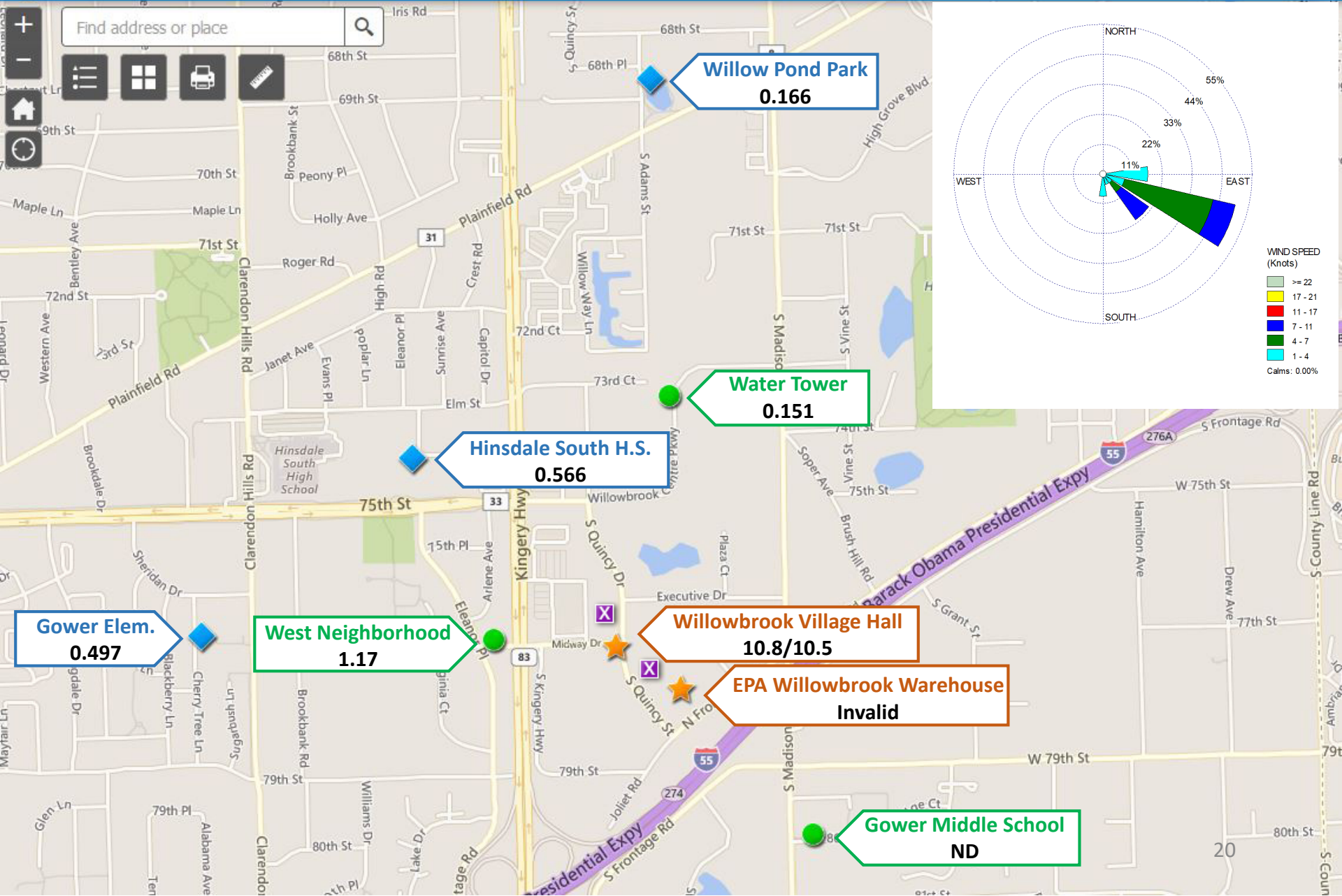
December 19, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



December 22, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



December 26, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)



December 28, 2018 – 24-hour average EtO Concentrations ($\mu\text{g}/\text{m}^3$)

