

Managing Total Facility Odour Emissions – What is your “Odour Pie” Image?

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Gestionar el total de las
emisiones de olores
de las Instalaciones –
Cuál es la “huella”
de olor



St. Croix Sensory, Inc.

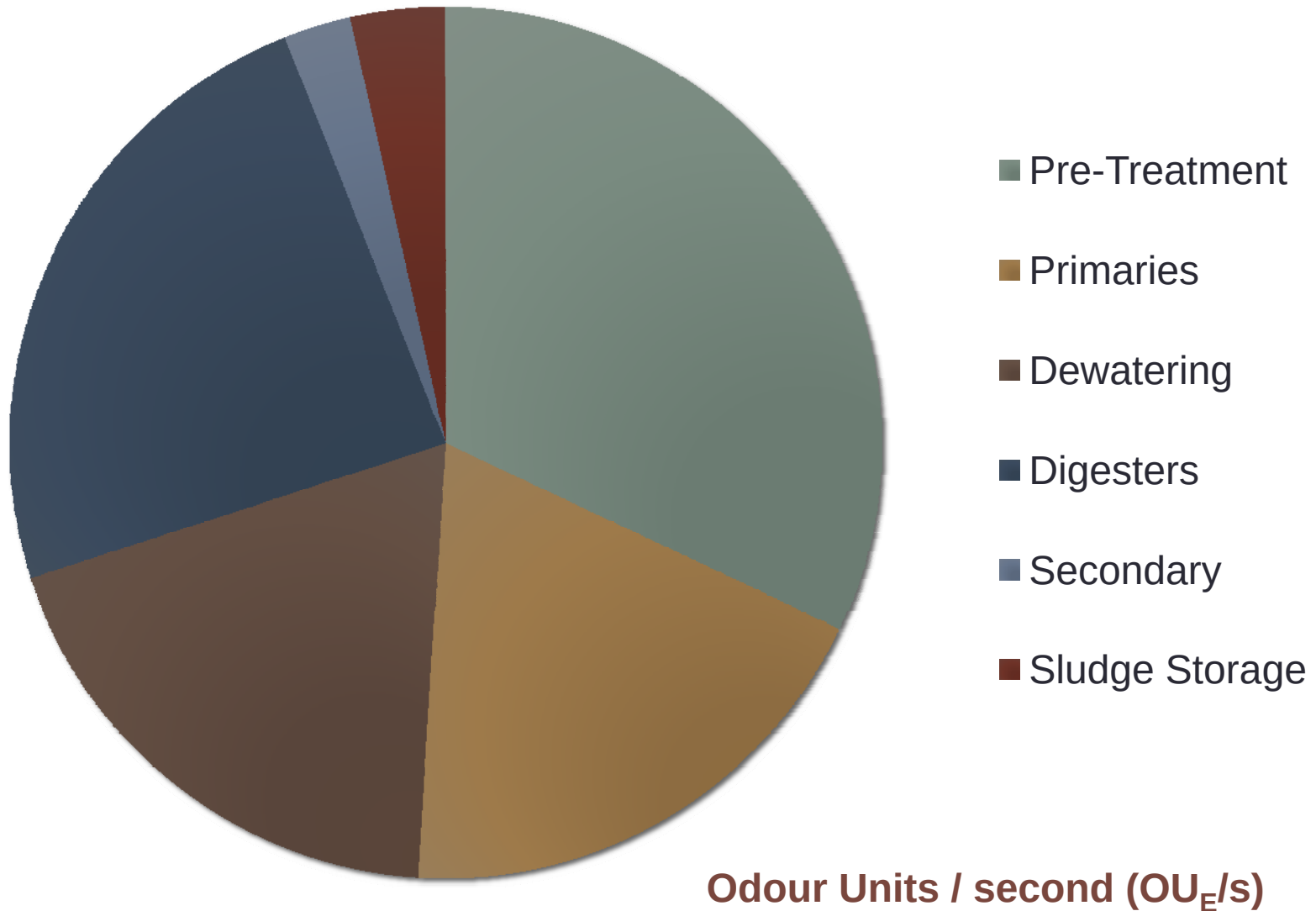
Sewer District

- 30MGD
- Activated Sludge & Tertiary Treatment
- Located in River Valley
- Residential Areas Nearby

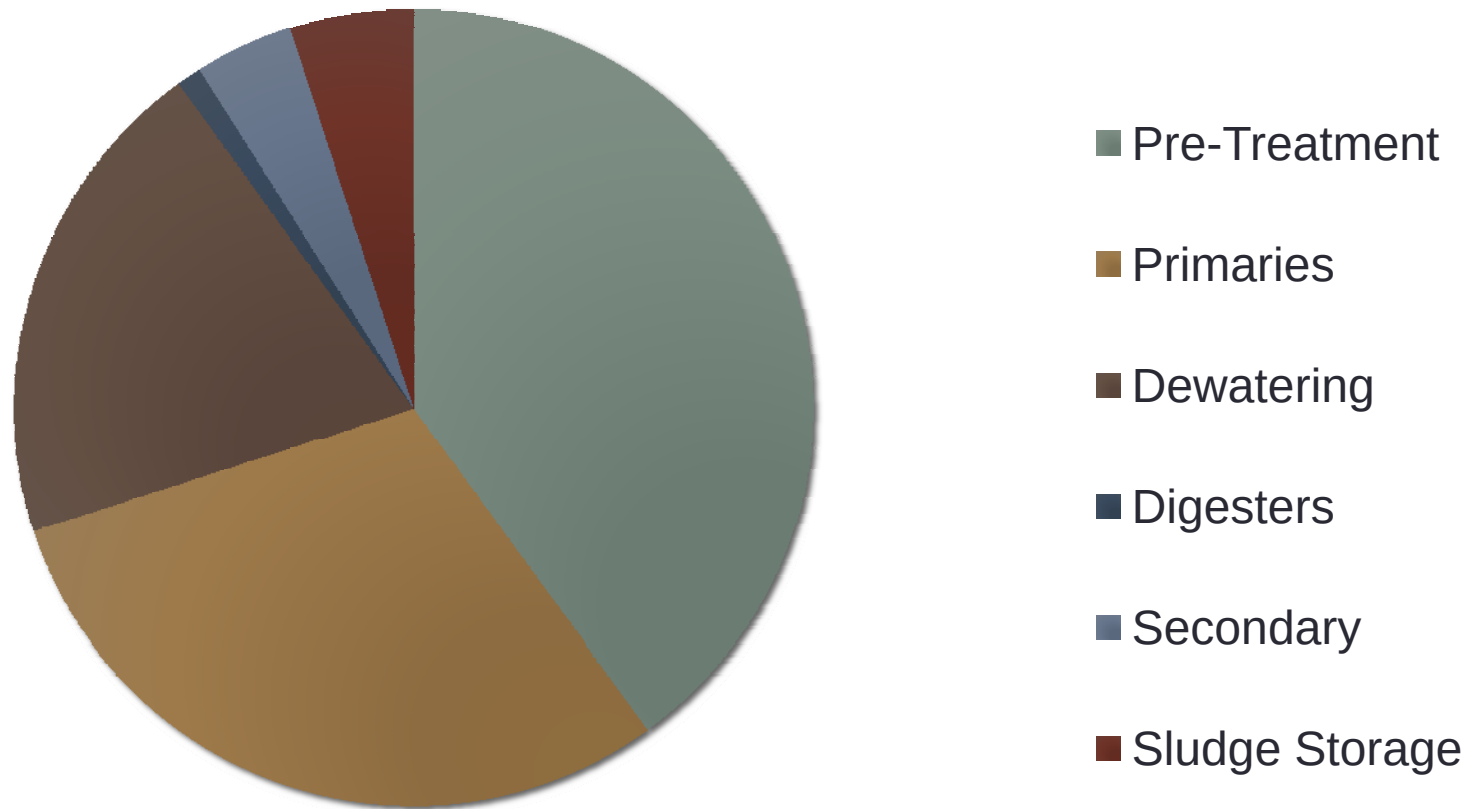
2007 Odour Study

- Initiated to lower odours in community
- “Good Neighbor”
- Communication to Stakeholder

The “Odour Pie” - 2007

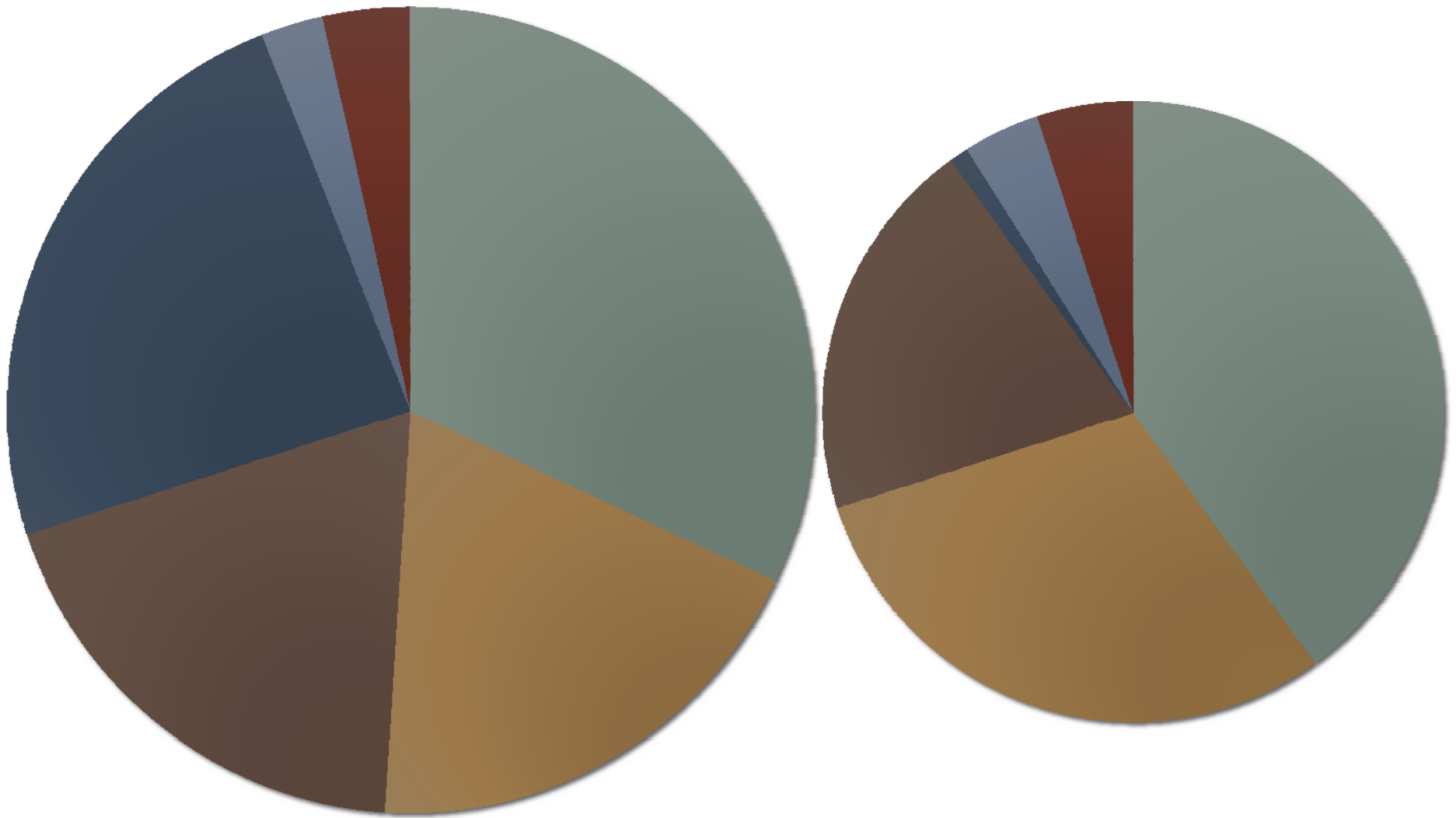


The “Odour Pie” - 2013

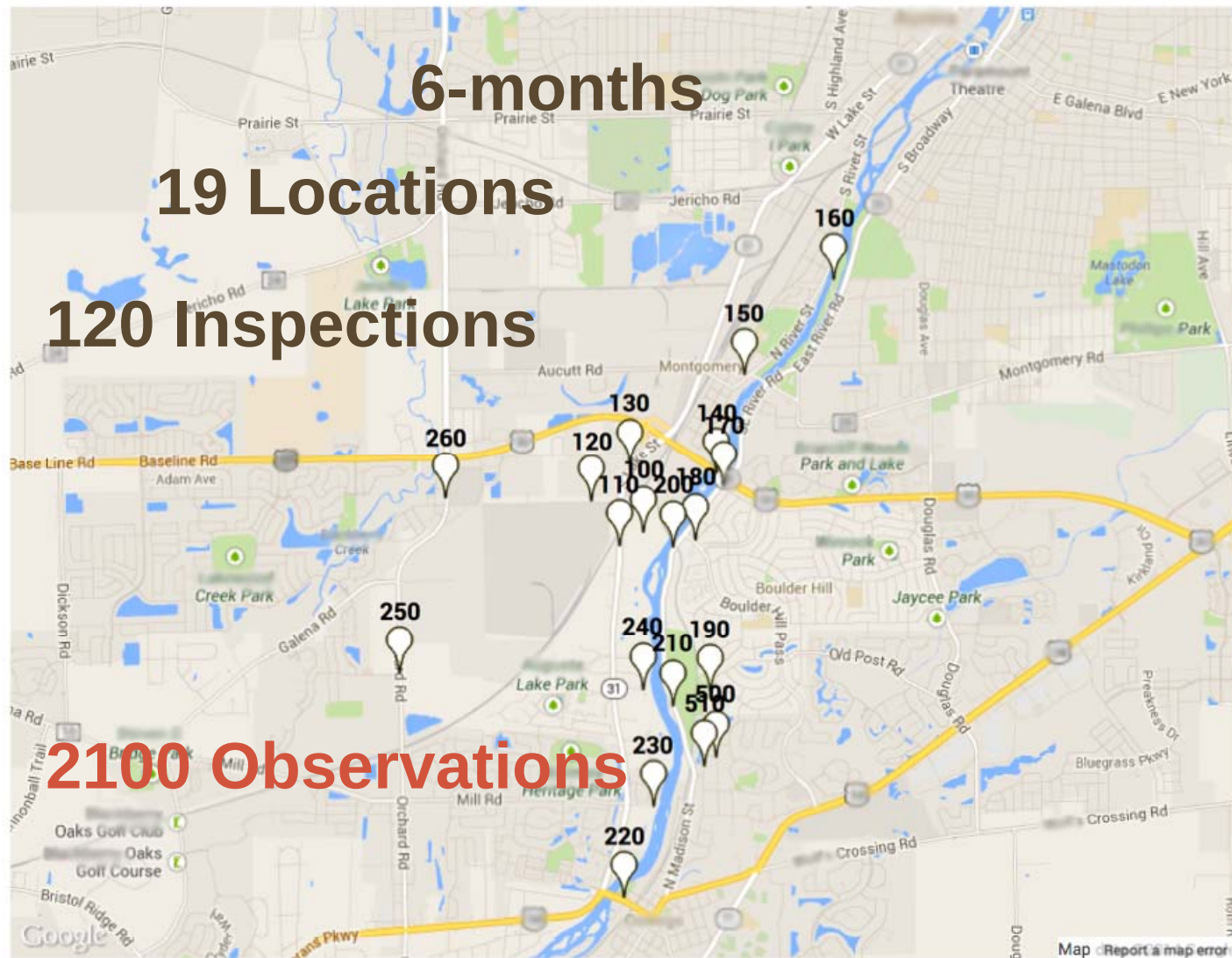


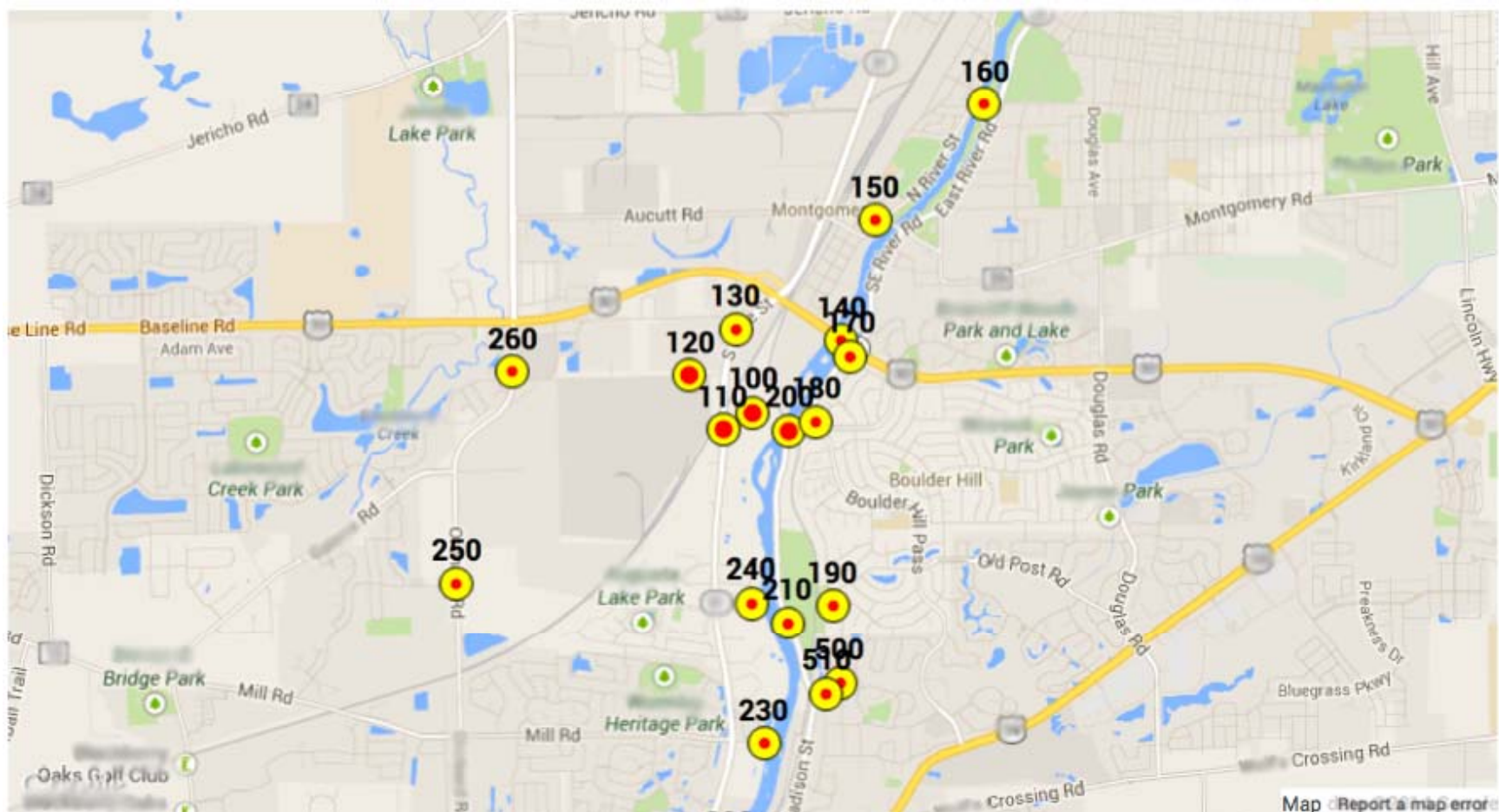
Odour Units / second (OU_E/s)

The “Odour Pie” - Compare

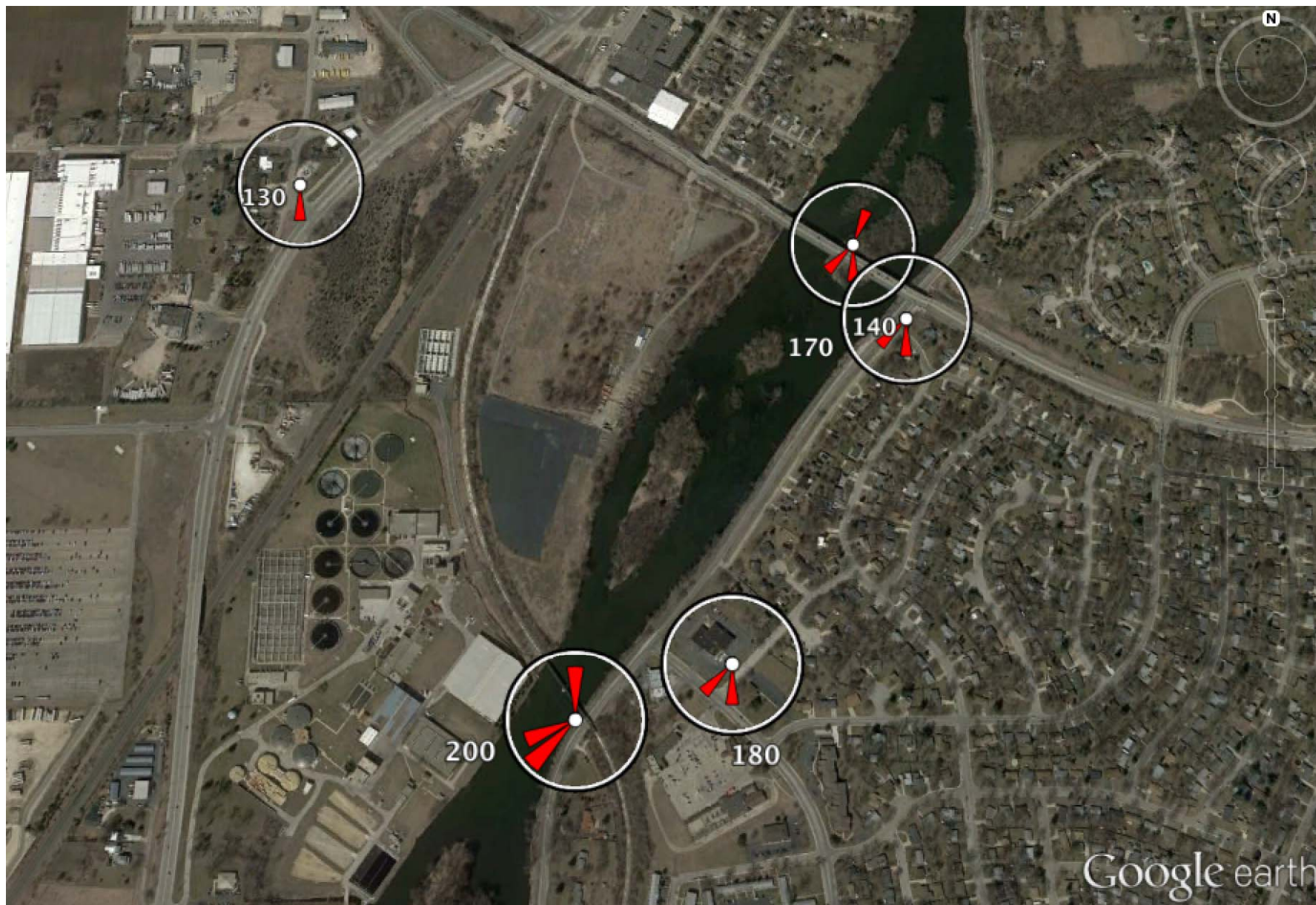


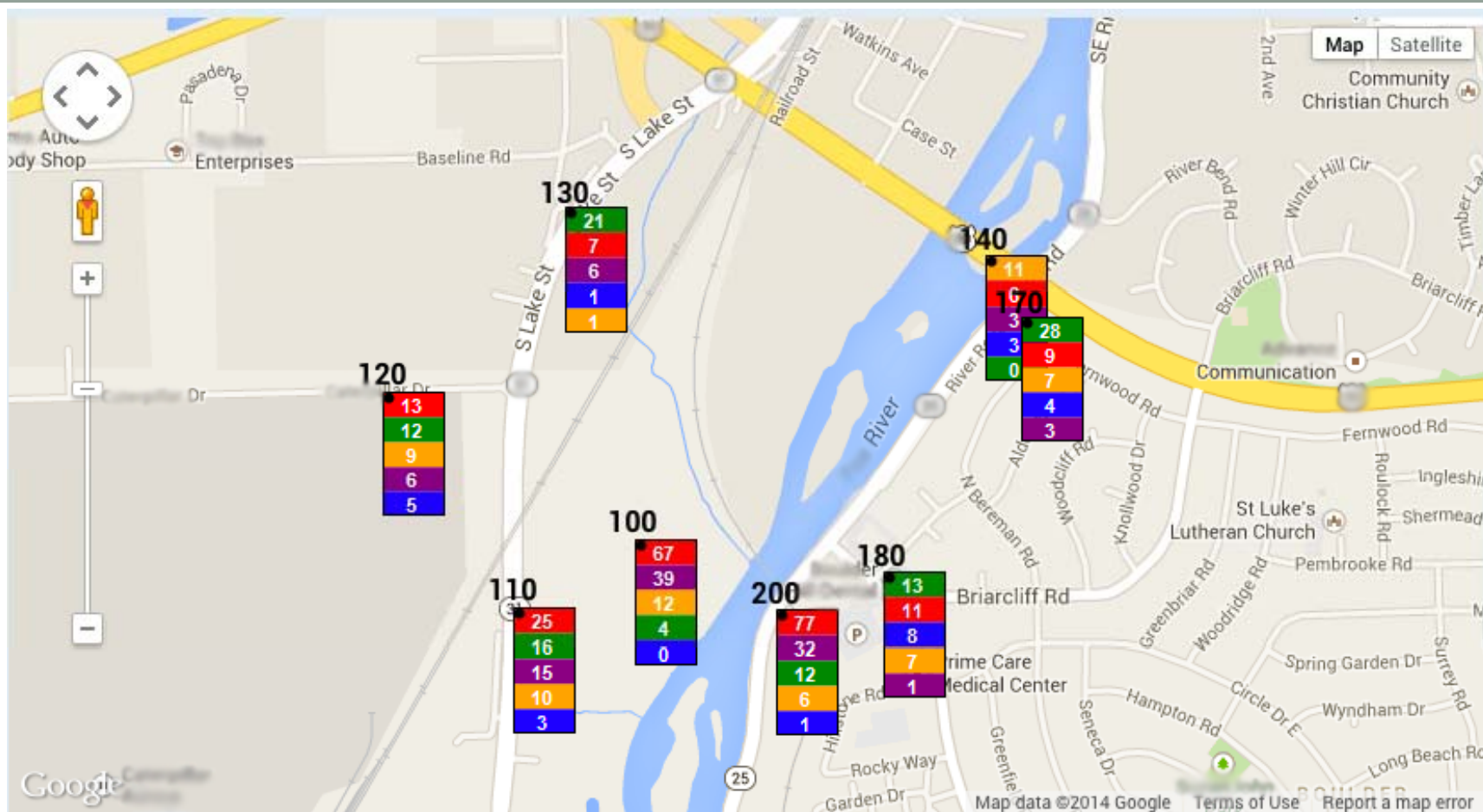
Odour Units / second ($\text{OU}_\text{E}/\text{s}$)





Odor DT Criteria (Eclipse Key)				Date Range: 4/1/2013 thru 1/1/2014 Any Time of Day Assessment Type: Inspection (DT) EXCLUDE Non-Detect
Avg. Log	Avg.	Eclipse Symbol	Description	
0.000	= ND		Full Sun	
0.001-0.301	< 2		1/4 Eclipse	
0.301-0.845	>= 2		1/2 Eclipse	
0.846-	>= 7		Full Eclipse	





Odor Descriptor Criteria (Descriptor Key)

Descriptor

Color

509 - Sewer
402 - Grassy
508 - Septic
100 - Floral
407 - Musty

Red
Green
Purple
Blue
Orange

Descriptor frequency reported at each location

Date Range: 3/1/2013 thru 11/30/2013

Any Time of Day

Assessment Type: Inspection

EXCLUDE Non-Detect

Summary Comments

- Odour – The Third Effluent
- Odour Emission Inventory – Complete Picture
- Communicate with the Community
 - Odour Pie – Simple image
 - Odour Maps – Story Telling

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