

Lake Survey Data Sheet – Long Term Trends

Lake: BROOKS' POND

County: DARE COUNTY

Waterbody # (WBIC): _____

Site Description or Storet #: Deep Hole
43.24564, -89.59703

Observers: AMANDA SMITH, SARAH RHODES, AME MARIE CLAY

Date: 07/24/2018

Start Time: 10:30 am End Time: 10:40 am

Cloud Cover (%): 5 Wind (mph): 5

Air Temperature (°F): 75° F

Secchi Depth (ft): 7 ft.

▪ Hit bottom? (yes/no) _____

Water Column Appearance (clear or murky): clear

Water Color (blue, green, brown, red, yellow): blue

User Perception* of Water Quality: 2

Lake Level (high, low, normal): _____

Other Observations: pump and aerator on

Water Chemistry (circle the ones that need to be taken)

- Nutrients (250mL bottle)
 - Total Phosphorus
 - NO₂ + NO₃ as Nitrogen
 - Total Kjeldahl-N
 - Metals (250mL bottle)
 - Calcium
 - Magnesium
 - Chlorophyll (1 quart bottle)
 - Alkalinity, pH, conductivity & color (1 quart bottle)
- Sampling Device: N/A
- Depth of Sample: N/A

N/A

Depth (m)	Temperature (°C)	DO (mg/L)	Conductivity (uhoms/cm ²)	pH
0	24.0	7.41	242.9	8.14
1	24.0	7.18	242.6	8.09
2	23.9	6.58	241.8	8.22
2.5	23.7	6.439	242.8	7.75
4 1.5	23.9	6.50	242.1	7.95
5 0.5	24.0	6.60	242.1	7.94
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Date data entered into SWIMS:

By: _____

*User perception of water quality

1 = Beautiful, could not be any nicer

2 = Very minor aesthetic problems; excellent for swimming and boating enjoyment

3 = Swimming and aesthetic enjoyment of lake slightly impaired because of high algae levels

4 = Desire to swim & level of enjoyment of lake substantially reduced because of algae; would not swim, but boating OK

5 = Swimming and aesthetic enjoyment of lake substantially reduced because of algae levels

Lake Survey Data Sheet – Long Term Trends

Lake: YFH Brook Pond
 County: DANE
 Waterbody # (WBIC): _____
 Site Description or Storet #: _____
 Observers: SARAH RHODES, AMANDA SMITH
 Date: 08/02/2018
 Start Time: 8:30am End Time: _____

Cloud Cover (%): 100 Wind (mph): 5
 Air Temperature (°C): _____
 Secchi Depth (m): 7.0 ft.
 ▪ Hit bottom? (yes/no): _____
 Water Column Appearance (clear or murky): CLEAR
 Water Color (blue, green, brown, red, yellow): _____
 User Perception* of Water Quality: _____
 Lake Level (high, low, normal): _____

Other Observations: _____

Water Chemistry (circle the ones that need to be taken)

- Nutrients (250mL bottle)
 - Total Phosphorus
 - NO₂ + NO₃ as Nitrogen
 - Total Kjeldahl-N
 - Metals (250mL bottle)
 - Calcium
 - Magnesium
 - Chlorophyll (1 quart bottle)
 - Alkalinity, pH, conductivity & color (1 quart bottle)
- Sampling Device: _____
 Depth of Sample: _____

Depth (m)	Temperature (°C)	DO (mg/L)	Conductivity (uhoms/cm ²)	pH
0	23.0	6.3	243.0	7.1
10.5	23.0	6.23	240.3	7.64
11	23.0	6.21	240.2	7.61
11.5	23.0	6.17	240.2	7.59
12	23.0	6.14	240.3	7.59
12.5	23.0	5.90	240.5	7.57
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Date data entered into SWIMS: Excel sheet
 By: AnneMarie Croly 8/16/18

QAQC: _____

If July, Secchi Dip In: _____

*User perception of water quality

- 1 = Beautiful, could not be any nicer
- 2 = Very minor aesthetic problems; excellent for swimming and boating enjoyment
- 3 = Swimming and aesthetic enjoyment of lake slightly impaired because of high algae levels
- 4 = Desire to swim & level of enjoyment of lake substantially reduced because of algae; would not swim, but boating OK
- 5 = Swimming and aesthetic enjoyment of lake substantially reduced because of algae levels

7PDU → Michael Hiatt
 - LATER IN THE SEASON
 @ YES. THEN IT WILL BE GONE"
 - Refining things as we go

Lake Survey Data Sheet – Long Term Trends

Lake: Brooke's Pond

County: Dane

Waterbody # (WBIC): _____

Site Description or Storet #: _____

Observers: Croy + Rhodes

Date: 08/02/2018

Start Time: 12:15 pm End Time: 12:22 pm

Cloud Cover (%): 100% Wind (mph): 3 mph

Air Temperature (°C): 68°F

Secchi Depth (m): 6.5

▪ Hit bottom? (yes/no): no

Water Column Appearance (clear or murky): _____

Water Color (blue, green, brown, red, yellow): _____

User Perception* of Water Quality: _____

Lake Level (high, low, normal): _____

Other Observations: _____

Water Chemistry (circle the ones that need to be taken)

- Nutrients (250mL bottle)
 - Total Phosphorus
 - NO₂ + NO₃ as Nitrogen
 - Total Kjeldahl-N
 - Metals (250mL bottle)
 - Calcium
 - Magnesium
 - Chlorophyll (1 quart bottle)
 - Alkalinity, pH, conductivity & color (1 quart bottle)
- Sampling Device: _____
- Depth of Sample: _____

Depth (m)	Temperature (°C)	DO (mg/L)	Conductivity (uhoms/cm ²)	pH
0	23.0	6.49	243.3	7.72
0.5	23.0	6.44	240.3	7.72
1	23.0	6.44	240.3	7.70
1.5	23.0	6.41	240.3	7.69
2	23.0	6.39	240.3	7.68
2.5	23.0	6.42	240.4	7.69
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Date data entered into **SWIMS**: excel sheet
 By: AnneMarie Croy 8/6/18

QAQC: _____

If July, Secchi Dip In: _____

*User perception of water quality
 1 = Beautiful, could not be any nicer
 2 = Very minor aesthetic problems; excellent for swimming and boating enjoyment
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 4 = Desire to swim & level of enjoyment of lake substantially reduced because of algae; would not swim, but boating OK
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Lake Survey Data Sheet - Long Term Trends

Lake: Brook's Pond

County: Dane

Waterbody # (WBIC): _____

Site Description or Storet #: _____

Observers: CROY, RHODES, SMITH

Date: 08/03/2018

Start Time: 9:55am End Time: _____

Cloud Cover (%): 70% Wind (mph): 2mph

Air Temperature (°C): 69°F

Secchi Depth (m): 7ft

▪ Hit bottom? (yes/no): _____

Water Column Appearance (clear or murky): _____

Water Color (blue, green, brown, red, yellow): _____

User Perception* of Water Quality: _____

Lake Level (high, low, normal): _____

Other Observations: _____

Water Chemistry (circle the ones that need to be taken)

— Nutrients (250mL bottle)

— Total Phosphorus

— NO₂ + NO₃ as Nitrogen

— Total Kjeldahl-N

— Metals (250mL bottle)

— Calcium

— Magnesium

— Chlorophyll (1 quart bottle)

— Alkalinity, pH, conductivity & color (1 quart bottle)

Sampling Device: _____

Depth of Sample: _____

Depth (m)	Temperature (°C)	DO (mg/L)	Conductivity (uhoms/cm ²)	pH
0	22.5	5.04	241.5	7.54
10.5	22.5	4.99	241.4	7.54
21	22.5	5.04	241.5	7.54
31.5	22.5	5.00	241.4	7.53
42	22.5	4.98	241.5	7.52
52.5	22.5	4.61	241.6	7.49
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Date data entered into **SWIMS**: excel sheet

By: AnneMarie Croy 8/16/18

QAQC: _____

If July, Secchi Dip In: _____

*User perception of water quality

1 = Beautiful, could not be any nicer

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5 = Swimming and aesthetic enjoyment of lake substantially reduced because of algae levels

Lake Survey Data Sheet - Long Term Trends

Lake: BROOKS Pond
 County: Dane
 Waterbody # (WBIC): _____
 Site Description or Storet #: _____
 Observers: AMANDA, Kayla, Mom
 Date: 08/05/2018
 Start Time: 12:15 pm End Time: _____

Cloud Cover (%): _____ Wind (mph): 15
 Air Temperature (°C): 85 °F
 Secchi Depth (m): 10
 ▪ Hit bottom? (yes/no): _____
 Water Column Appearance (clear or murky): clear
 Water Color (blue, green, brown, red, yellow): _____
 User Perception* of Water Quality: 1
 Lake Level (high, low, normal): normal
 Other Observations: _____

~~Water Chemistry (circle the ones that need to be taken)~~
~~— Nutrients (250mL bottle)~~
 ~~— Total Phosphorus~~
 ~~— NO₂ + NO₃ as Nitrogen~~
 ~~— Total Kjeldahl-N~~
~~— Metals (250mL bottle)~~
 ~~— Calcium~~
 ~~— Magnesium~~
 — Chlorophyll (1 quart bottle)
 — Alkalinity, pH, conductivity & color (1 quart bottle)
 Sampling Device: V.S.
 Depth of Sample: 0-6 ft.

Depth (m)	Temperature (°C)	DO (mg/L)	Conductivity (uhoms/cm ²)	pH
0	24.2	5.75	244.1	7.57
10.5	24.2	5.66	244.1	7.53
11	24.3	5.67	244.1	7.53
11.5	24.2	5.64	244.1	7.52
12	24.2	5.56	244.0	7.52
12.5	24.0	5.27	244.3	7.53
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Date data entered into ~~SWIMS~~ excel sheet
 By: AnneMarie Gray 8/6/18

QAQC: _____
 If July, Secchi Dip In: _____

*User perception of water quality
 1 = Beautiful, could not be any nicer
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Lake Survey Data Sheet – Long Term Trends

Lake: YFH Brooks Pond
 County: Dare
 Waterbody # (WBIC): _____
 Site Description or Storet #: _____

Observers: AMANDA SMITH, AnnMarie Clay
 Date: 03/09/2018
 Start Time: 9:15 am End Time: 9:30 am

Cloud Cover (%): 100 Wind (mph): 5
 Air Temperature (°F): 70° F
 Secchi Depth (ft): 7.5 ft.
 ▪ Hit bottom? (yes/no): (no)
 Water Column Appearance (clear or murky): CLEAR
 Water Color (blue, green, brown, red, yellow): _____
 User Perception* of Water Quality: 2
 Lake Level (high, low, normal): _____

Other Observations: _____

Water Chemistry (circle the ones that need to be taken)

- Nutrients (250mL bottle)
 - Total Phosphorus
 - NO₂ + NO₃ as Nitrogen
 - Total Kjeldahl-N
 - Metals (250mL bottle)
 - Calcium
 - Magnesium
 - Chlorophyll (1 quart bottle)
 - Alkalinity, pH, conductivity & color (1 quart bottle)
- Sampling Device: IS
 Depth of Sample: 0-6 ft.

Depth (m)	Temperature (°C)	DO (mg/L)	Conductivity (uhoms/cm ²)	pH
0	23.8	4.87	244.4	7.56
1 <u>0.5</u>	23.8	4.82	244.4	7.54
2 <u>1</u>	23.8	4.81	244.4	7.53
3 <u>1.5</u>	23.8	4.79	244.4	7.52
4 <u>2</u>	23.8	4.77	244.4	7.52
5 <u>2.5</u>	23.8	4.33	244.6	7.47
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Date data entered into SWIMS:

By: _____

QAQC : _____
 If July, Secchi Dip In: _____

*User perception of water quality
 1 = Beautiful, could not be any nicer
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Lake Survey Data Sheet – Long Term Trends

Lake: Brooks Pond

County: DANE

Waterbody # (WBIC): _____

Site Description or Storet #: _____

Observers: Smith, Gray

Date: 08-23-18

Start Time: 11:05am End Time: 11:10am

Cloud Cover (%): 0 Wind (mph): 5

Air Temperature (°C): 76°F

Secchi Depth (m): 4.5 FT

▪ Hit bottom? (yes/no): _____

Water Column Appearance (clear or murky): _____

Water Color (blue, green, brown, red, yellow): _____

User Perception* of Water Quality: _____

Lake Level (high, low, normal): _____

Other Observations: NOT THE DEEP HOLE!

Water Chemistry (circle the ones that need to be taken)

- Nutrients (250mL bottle)
 - Total Phosphorus
 - NO₂ + NO₃ as Nitrogen
 - Total Kjeldahl-N
 - Metals (250mL bottle)
 - Calcium
 - Magnesium
 - Chlorophyll (1 quart bottle)
 - Alkalinity, pH, conductivity & color (1 quart bottle)
- Sampling Device: _____
- Depth of Sample: _____

Depth (m)	Temperature (°C)	DO (mg/L)	Conductivity (uhoms/cm ²)	pH
1.5	21.8	6.83	228.5	7.87
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Date data entered into SWIMS:

By: _____

QAQC: Amanda Smith 8/18/18

1st July, Secchi Dip In: _____

Spreadsheet

*User perception of water quality

- 1 = Beautiful, could not be any nicer
- 2 = Very minor aesthetic problems; excellent for swimming and boating enjoyment
- 3 = Swimming and aesthetic enjoyment of lake slightly impaired because of high algae levels
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- 5 = Swimming and aesthetic enjoyment of lake substantially reduced because of algae levels