

Low Dissolved Oxygen

Less than 5.0 ppm

All data between 9/18/2013 and 11/5/2013

University of Delaware Citizen Monitoring Program

| Water Body | Tributary Site | Date | Time | Dissolved Oxygen | | Aquatic Vegetation | |
|------------|----------------|------|------|------------------|--------------|--------------------|-----------|
| | | | | ppm | % Saturation | On Shore? | In Water? |

Broadkill River

Deep Hole Creek

BR13: 2707 S. Bayshore Drive

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 10/1/2013 | 11:00 | 4.2 | 51% | None | None |
|-----------|-------|-----|-----|------|------|

Old Mill Creek

BR21: Old Mill Creek downstream from Red Mill Pond

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/29/2013 | 8:45 | 2.7 | 31% | None | None |
|-----------|------|-----|-----|------|------|

| | | | | | |
|-----------|------|-----|-----|------|------|
| 10/9/2013 | 8:35 | 4.0 | 43% | None | None |
|-----------|------|-----|-----|------|------|

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 10/16/201 | 12:25 | 3.1 | 34% | None | None |
|-----------|-------|-----|-----|------|------|

Prime Hook Creek

BR02: Prime Hook NWR Petersfield Ditch water control structure, 50m N of Rt 16.

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/21/2013 | 9:00 | 2.7 | 31% | None | None |
|-----------|------|-----|-----|------|------|

BR03: Prime Hook Creek at Boat Ramp at Refuge Headquarters

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 9/22/2013 | 10:15 | 3.4 | 42% | None | None |
|-----------|-------|-----|-----|------|------|

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 9/29/2013 | 10:25 | 4.7 | 57% | None | None |
|-----------|-------|-----|-----|------|------|

| | | | | | |
|-----------|-------|-----|-----|------|------|
| 10/27/201 | 10:30 | 4.0 | 35% | None | None |
|-----------|-------|-----|-----|------|------|

| | | | | | |
|-----------|-------|-----|--|------|------|
| 11/3/2013 | 10:15 | 3.2 | | None | None |
|-----------|-------|-----|--|------|------|

Indian River

Assawoman Canal

IR50: Assawoman Canal at N end, Ocean View Marina

| | | | | | |
|-----------|------|-----|-----|------|------|
| 10/7/2013 | 7:50 | 4.3 | 60% | None | None |
|-----------|------|-----|-----|------|------|

Bethany Loop Canal

IR62: Loop Canal, Pa Ave terminus, Bethany Beach

| | | | | | |
|-----------|------|-----|-----|------|------|
| 10/7/2013 | 7:30 | 1.3 | 18% | None | None |
|-----------|------|-----|-----|------|------|

Salt Pond

IR73: Western edge of Salt Pond

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/29/2013 | 7:30 | 4.2 | 51% | None | None |
|-----------|------|-----|-----|------|------|

Vines Creek

IR38: Vines Lane

| | | | | | |
|-----------|------|-----|-----|------|------|
| 10/8/2013 | 8:05 | 4.3 | 53% | None | None |
|-----------|------|-----|-----|------|------|

| | | | | | |
|-----------|------|-----|-----|------|------|
| 10/17/201 | 7:30 | 4.6 | 55% | None | None |
|-----------|------|-----|-----|------|------|

White Creek

IR29: Holly Terrace Acres Canal, White Creek

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/18/2013 | 7:30 | 4.8 | 62% | None | None |
|-----------|------|-----|-----|------|------|

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/24/2013 | 7:30 | 4.2 | 53% | None | None |
|-----------|------|-----|-----|------|------|

| | | | | | |
|-----------|------|-----|-----|------|------|
| 10/1/2013 | 7:30 | 3.7 | 48% | None | None |
|-----------|------|-----|-----|------|------|

| | | | | | |
|-----------|------|-----|-----|------|------|
| 10/15/201 | 7:30 | 4.3 | 53% | None | None |
|-----------|------|-----|-----|------|------|

IR32: Holly Terrace Acres Canal Dead End, White Creek

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/23/2013 | 8:28 | 3.9 | 50% | None | None |
|-----------|------|-----|-----|------|------|

| | | | | | |
|-----------|------|-----|-----|------|------|
| 9/30/2013 | 8:35 | 3.5 | 45% | None | None |
|-----------|------|-----|-----|------|------|

The state instantaneous standard for Dissolved Oxygen is: the minimum shall not fall below 4.0 ppm.

Aquatic vegetation comments: "None" - none seen; "Minor" - bands up to 10 feet wide; "Major" - bands greater than 10' wide.

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| Water Body | Tributary | Site | Date | Time | Dissolved Oxygen ppm | % Saturation | Aquatic Vegetation On Shore? | In Water? |
|------------|-----------|------|------|------|-------------------------|--------------|---------------------------------|-----------|
|------------|-----------|------|------|------|-------------------------|--------------|---------------------------------|-----------|

Indian River

White Creek

IR32: Holly Terrace Acres Canal Dead End, White Creek
 10/14/201 9:00 3.6 44%

None None

Little Assawoman Bay

Assawoman Canal

LA10: Assawoman Canal S end, Kent Ave Bridge
 10/8/2013 7:20 3.1 41%

None None

Jefferson Creek

SB01: Anchorage Canal @ Rt 1

9/24/2013 7:40 1.4 18%
 10/1/2013 7:41 4.1 53%
 10/15/201 7:31 4.0 49%

None None
 None None
 None None

SB02: Anchorage Canal near elbow

9/24/2013 7:55 4.8 61%
 10/1/2013 7:55 5.0 65%

None None
 None None

SB04: Petherton canal/rt1

9/24/2013 7:29 3.6 46%
 10/1/2013 7:36 4.7 61%

None None
 None None

SB06: Brandywine Canal

9/24/2013 7:34 3.5 45%
 10/1/2013 7:32 4.7 60%
 10/15/201 7:25 4.6 57%

None None
 None None
 None None

SB09: Carlisle canal

9/24/2013 7:05 2.7 34%
 10/1/2013 7:05 3.0 39%
 10/15/201 6:48 2.5 31%

None None
 None None
 None None

SB10E: Russell Canal east dead end

9/24/2013 8:02 2.6 33%
 10/1/2013 8:01 4.2 54%

None None
 None None

SB10W: Russell Canal west dead end

9/24/2013 8:18 3.3 42%
 10/1/2013 8:16 4.0 52%
 10/15/201 8:05 4.7 58%

None None
 None None
 None None

Rehoboth Bay

Bald Eagle Creek

RB64: Torquay Canal, west side of Land's End near UD Site #1

9/23/2013 9:00 3.1 40%
 9/30/2013 8:00 3.9 51%

None None
 None None

Guinea Creek

RB06A: Guinea Creek @ Rd 298 Bridge

10/14/201 8:31 4.1 44%

None None

RB10: Guinea Creek above golf course

10/14/201 8:45 4.1 42%

None None

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