FONDRIEST CENTER FOR ENVIRONMENTAL STUDIES

WQData LIVE

nickn@nexsens.com

DASHBOARD   REPORT ▾   ADMIN ▾   GALLERY

Project Dashboard ▾   ▶ ↻

| Project Dashboard |
| Pond Weir Dashboard |
| Pond WS Dashboard |
| |
| Pond Weir - G2 Rain |
| Field Station Weather |
| |
| ➕ New Dashboard |

CLICK MAP TO INTERACT

+
−

Zoom All

0.00

∨ Field Station Weather X2
  ▪ Rel. Barometric Pressure
  ▪ Air Temperature
  ▪ Relative Humidity
  ▪ Dewpoint
  ▪ Wind Direction
  ▪ Wind Speed

Leaflet | Powered by Esri | Microsoft, USGS, NOAA

Interval Rain (in)   D W M Y

Reset zoom

0.4

0.3

0.2

0.1

0

            16:00   Mar 19   08:00   16:00   Mar 20   08:00   16:00   Mar 21

W_Avg: 0.01   W_Min: 0.00   W_Max: 0.33   2020-03-21 10:00:00

Alarms

#	Name	Type	Status	Event Time
1	Total Rain > 1 in (2hrs)	Alarm	🟢 Normal	2020-02-04 13:06:58
2	G2 Rain Low Power	Alarm	🟢 Normal	2020-03-05 19:00:00
3	Weather Station X2 Low Power	Alarm	🟢 Normal	2020-02-09 10:40:00

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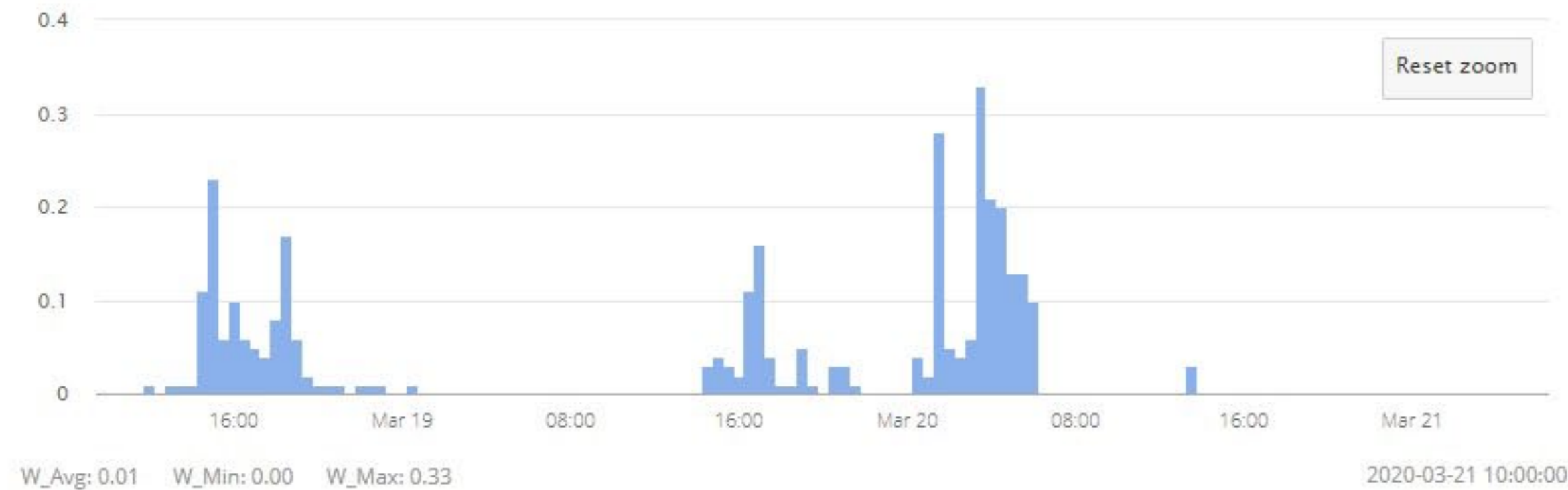
DASHBOARD   REPORT ▾   ADMIN ▾   GALLERY

Pond Weir - G2 Rain   🗑   ✕   ✓

Single Site: Pond Weir
Header: Pond Weir Parameters
Include Diagnostic: No
Default Parameters:
Pond Weir : Field Station G2-Rain : Interval Rain
Pond Weir : Field Station G2-Rain : Total Rain

Single Site Interactive Graph
Pond Weir

Parameter Data
Header: Interval Rain
Pond Weir : Field Station G2-Rain : Interval Rain

Parameter Data
Header: Rain Intensity
Pond Weir : Field Station G2-Rain : Rain Intensity

Device Last Contact
Header: G2-Rain Last Contact
Pond Weir : Field Station G2-Rain

Parameter Data
Header: Total Rain
Pond Weir : Field Station G2-Rain : Total Rain

Parameter Data
Header: Tip Counter
Pond Weir : Field Station G2-Rain : Tip Counter

Multiple Parameters Data
Header: G2 Rain Diagnostics
Pond Weir : Field Station G2-Rain : Input Power
Pond Weir : Field Station G2-Rain : Internal Temperature
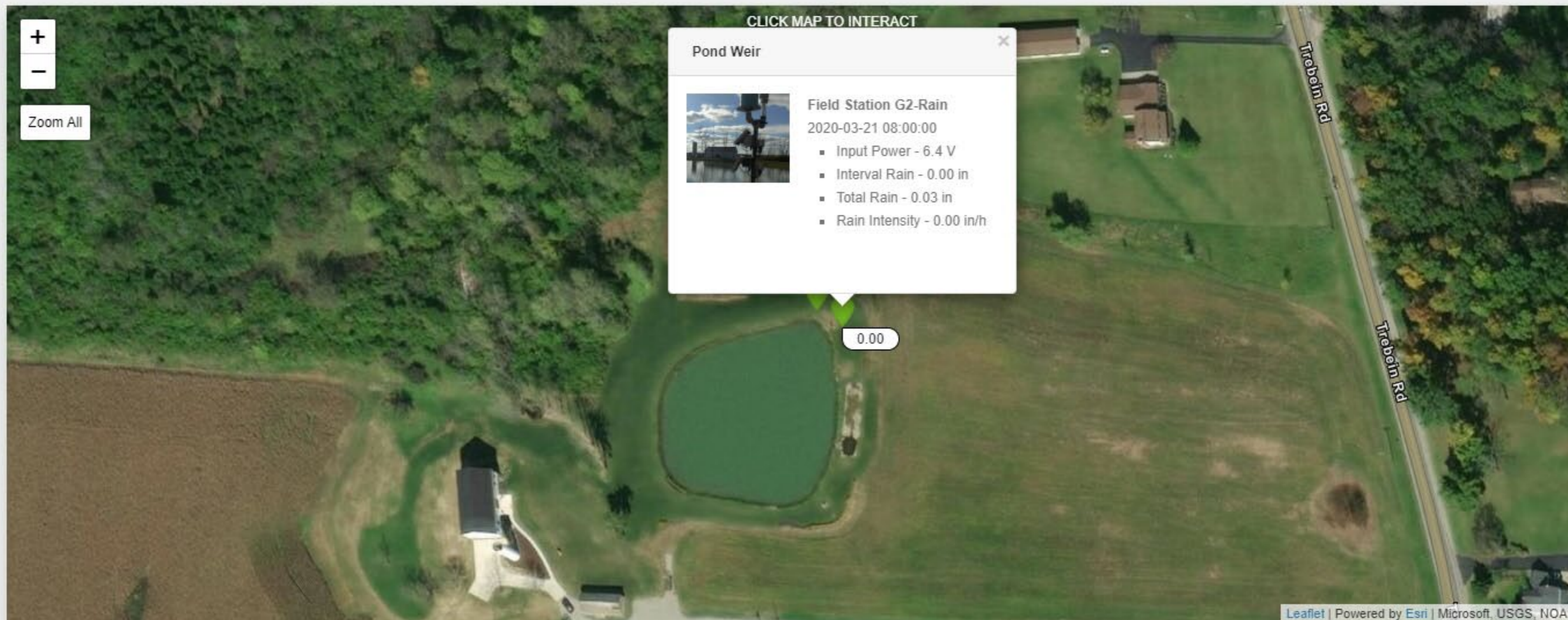Pond Weir : Field Station G2 Rain : Internal Humidity

Alarms
Header: Alarms

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DASHBOARD   REPORT ▾   ADMIN ▾   GALLERY

Project Dashboard ▾   ▶ ↻

All Sites

- ∨ Pond Weir
  - ∨ Field Station G2-Rain
    - ▪ Interval Rain
    - ▪ Total Rain
    - ▪ Rain Intensity
    - ▪ Tip Counter
- ∨ Pond WS
  - ∨ Field Station Weather X2
    - ▪ Rel. Barometric Pressure
    - ▪ Air Temperature
    - ▪ Relative Humidity
    - ▪ Dewpoint
    - ▪ Wind Direction
    - ▪ Wind Speed

CLICK MAP TO INTERACT

Pond Weir ✕

Field Station G2-Rain
2020-03-21 08:00:00
- ▪ Input Power - 6.4 V
- ▪ Interval Rain - 0.00 in
- ▪ Total Rain - 0.03 in
- ▪ Rain Intensity - 0.00 in/h

0.00

Zoom All

Leaflet | Powered by Esri | Microsoft, USGS, NOAA

Interval Rain (in)

D | W | M | Y

Reset zoom

0.4

0.3

0.2

0.1

0

08:00   16:00   Mar 19   08:00   16:00   Mar 20   08:00   16:00   Mar 21

W_Avg: 0.01   W_Min: 0.00   W_Max: 0.33   2020-03-21 10:00:00

Alarms

#	Name	Type	Status	Event Time
1	Total Rain > 1 in (2hrs)	Alarm	● Normal	2020-02-04 13:06:58
2	G2 Rain Low Power	Alarm	● Normal	2020-03-05 19:00:00
3	Weather Station X2 Low Power	Alarm	● Normal	2020-02-09 10:40:00

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DASHBOARD   REPORT ▾   ADMIN ▾   GALLERY

Pond Weir - G2 Rain ▾   ▶ ⟳ ✎

Pond Weir Parameters

[D | W | M | Y]

> Field Station G2-Rain
  ☑ Interval Rain
  ☐ Total Rain
  ☑ Rain Intensity
  ☑ Tip Counter

Pond Weir

March 20, 2020 01:30:00
● Field Station G2-Rain : Interval Rain (in): **0.28in**
● Field Station G2-Rain : Rain Intensity (in/h): **0.56in/h**
● Field Station G2-Rain : Tip Counter (tips): **2 608tips**

● Field Station G2-Rain : Interval Rain (in)   ● Field Station G2-Rain : Rain Intensity (in/h)   ─●─ Field Station G2-Rain : Tip Counter (tips)

G2-Rain Last Contact   ⚠

Pond Weir : Field Station G2-Rain ✅

2020-03-21 10:00:19
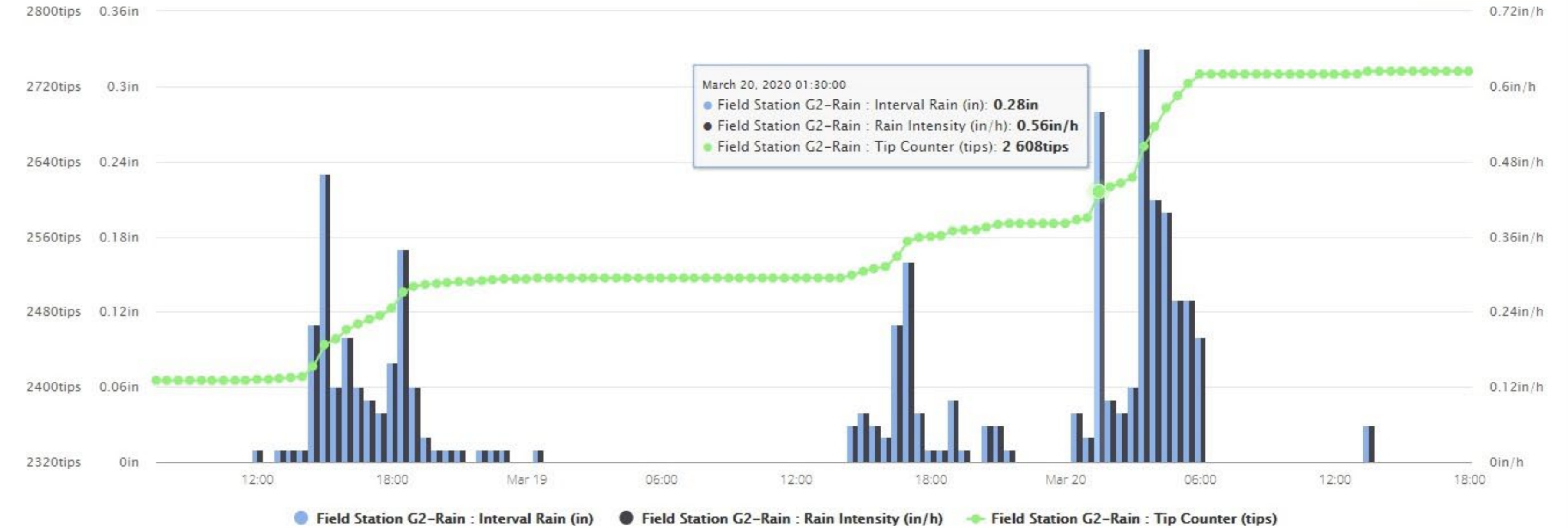
Interval Rain   ⚠
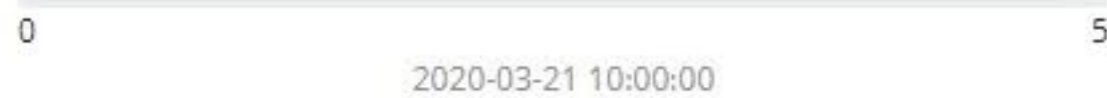
0.00 in

0 ──────────────── 5
2020-03-21 10:00:00

Rain Intensity   ⚠

0.00 in/h

0 ──────────────── 5
2020-03-21 10:00:00

Total Rain   ⚠

0.03 in

0 ──────────────── 5
2020-03-21 10:00:00

Tip Counter   ⚠

2736 tips
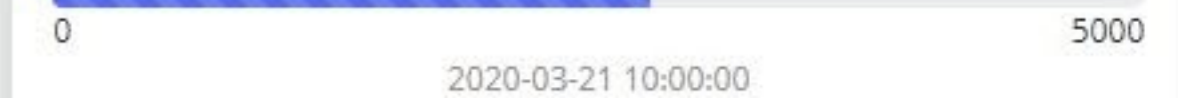
0 ──────────────── 5000
2020-03-21 10:00:00

G2 Rain Diagnostics

Status	Parameter	Value	Sample Time	Quick Alert
✅	Input Power (V)	6.4	2020-03-21 08:00:00	⚠
✅	Internal Temperature (C)	-0.14	2020-03-21 08:00:00	⚠

Alarms

#	Name	Type	Status	Event Time
1	Total Rain > 1 in (2hrs)	Alarm	● Normal	2020-02-04 13:06:58
2	G2 Rain Low Power	Alarm	● Normal	2020-03-05 19:00:00

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DASHBOARD   REPORT ▾   ADMIN ▾   GALLERY

Alarms/Alerts

▾ Alarms/Alerts

[ADD ALARM/ALERT]   [MANAGE GROUPS]   [UPDATE TABLE]

Display Options: ◉ Enabled   ○ All   ○ Triggered   ○ Acknowledged   ○ Disabled

🔍 Filter name, description

Type	Status	Name	Description	Last Checked	Event Time
Alarm	Good	Total Rain > 1 in (2hrs)		2020-03-21 10:00:00 UTC -04:00	2020-02-04 13:06:58 UTC -05:00
Alarm	Good	G2 Rain Low Power	Low Battery Alarm	2020-03-21 08:00:00 UTC -04:00	2020-03-05 19:00:00 UTC -05:00
Alarm	Good	Weather Station X2 Low Power	Low Power on Weather Station X2	2020-03-21 10:30:00 UTC -04:00	2020-02-09 10:40:00 UTC -05:00
Alert	Good	G2 Rain Low Power Alert	Low Battery Alert	2020-03-21 10:39:32 UTC -04:00	2020-03-21 10:49:32 UTC -04:00
Alarm	Good	Low Temp	Temp < 40F	2020-03-21 10:41:25 UTC -04:00	2020-03-21 10:51:25 UTC -04:00

▾ Rain Alerts

[ADD RAIN ALERT]   [UPDATE TABLE]

Display Options: ◉ Enabled   ○ All   ○ Triggered   ○ Acknowledged   ○ Disabled

🔍 Filter name, description

Status	Name	Description	Last Checked	Event Time
Good	Qualifying Event 2 hrs	Total Rain > 0.1	2020-03-21 10:47:45 UTC -04:00	2020-03-21 10:47:46 UTC -04:00

▾ Quick Alerts

[UPDATE TABLE]

🔍 Filter username, name

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DASHBOARD   **REPORT** ▾   ADMIN ▾   GALLERY

Parameters | Customize | View ▾ | Download ▾ | Send ▾ | Date Range | Custom ▾ | Memorize

☑ Header
☑ Stat Table
☑ Plot
☑ Data Table

March 21, 2020
10:58 AM

Environmental Field Station
G2 Rain Report
March 15, 2020 - March 21, 2020

Stats Table

Site	Device	Sensor	Parameter	Samples	Min	Max	Mean	Median	Std
Pond Weir	Field Station G2-Rain	3510-1001-004 (0.01 in)	Interval Rain (in)	109	0.00	0.33	0.03	0.00	0.00
Pond Weir	Field Station G2-Rain	3510-1001-004 (0.01 in)	Total Rain (in)	109	0.00	3.29	1.64	1.09	1.01
Pond Weir	Field Station G2-Rain	3510-1001-004 (0.01 in)	Rain Intensity (in/h)	109	0.00	0.66	0.06	0.00	0.10

Data Plot

Separate

Selected Parameters

● Pond Weir: Interval Rain (in)   ─●─ Pond Weir: Total Rain (in)   ● Pond Weir: Rain Intensity (in/h)
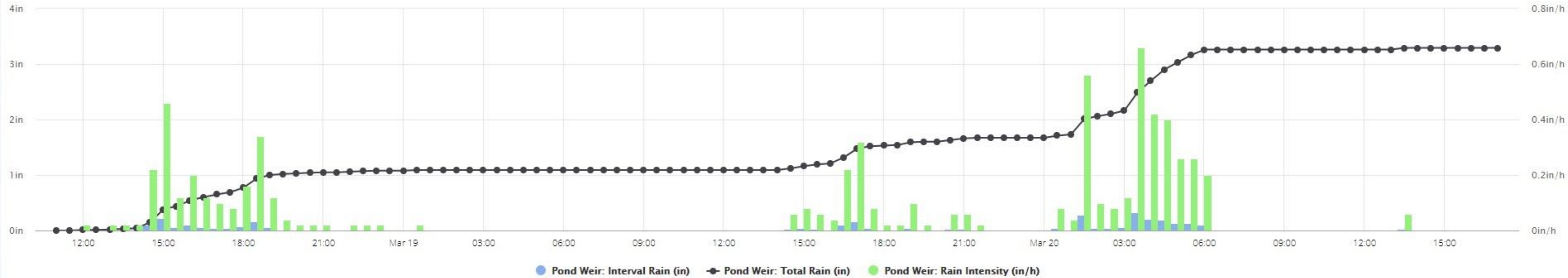
Data Table ⓘ

| Site | | Pond Weir | | Pond Weir | | Pond Weir |

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DASHBOARD   REPORT ▾   **ADMIN** ▾   GALLERY

Project Settings

▾ Users

Name	E-mail Address	Access	
NexSens	wqdatalive@nexsens.com	Owner	
NexSens Admin 1	admin1@nexsens.com	Admin	Remove
NexSens Admin 2	admin2@nexsens.com	Admin	Remove
NexSens Admin 3	admin3@nexsens.com	Admin	Remove
NexSens Collaborator 1	collaborator1@nexsens.com	Collaborator	Remove
NexSens Collaborator 2	collaborator2@nexsens.com	Collaborator	Remove
NexSens Collaborator 3	collaborator3@nexsens.com	Collaborator	Remove
NEW USER	EMAIL	Admin ▾	ADD

*User must have an active WQData LIVE account

▾ Project/Site

Configure Project and Site settings

▶ **Project**
▶ **Sites**

SAVE

▾ Device Remote Configuration

Configure device settings

▶ **Pond Weir**
▶ **Pond WS**

▾ Parameters Settings

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DASHBOARD   REPORT ▾   ADMIN ▾   GALLERY

All   The Field Station   Flora   Fauna   Product Testing   Training   Education   Miami Valley Schools   EWC 90004   + Album   ⊙ Upload   ⊽ Filter

Album The Field Station ✎ ⟳

The Center
The main building at the field station

Equipment
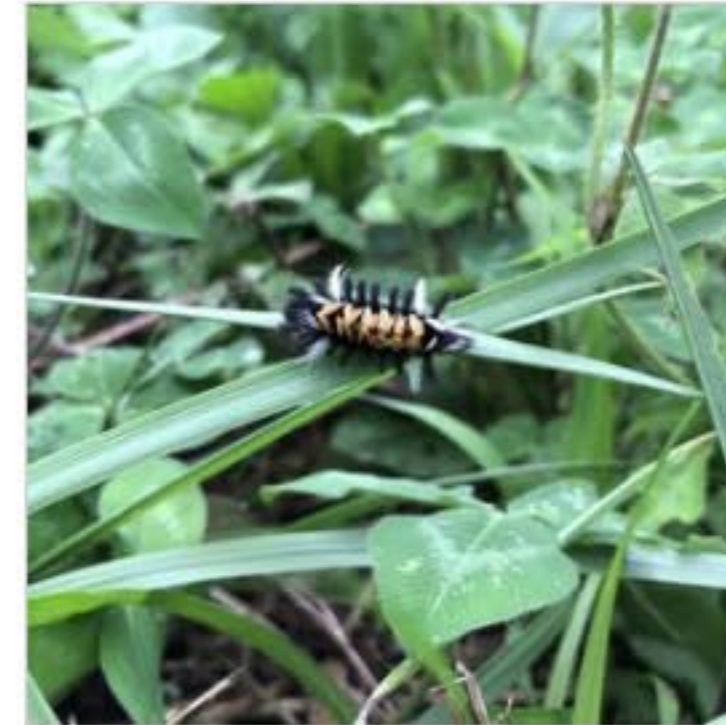*Fondriest staff member installs a weathe...*

Equipment
Data buoy collects water quality data in re...

Equipment
weather data and water level data are...
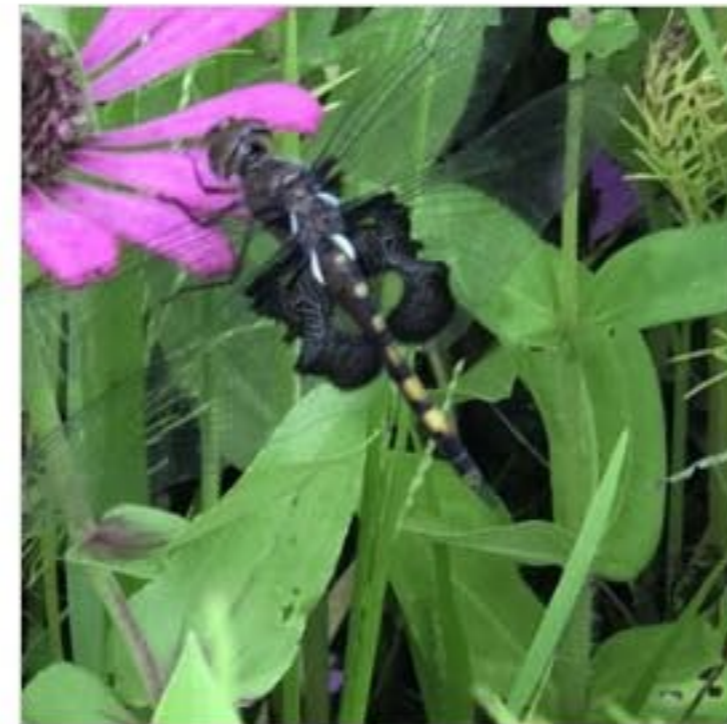
Caterpillar
milkweed tussock moth

Birds
American Goldfinch

Chiroptera
Bat

Deer

Dragonfly
Black Saddlebags - Tramea lacerata

Mammal
Eastern Chipmunk - Tamias striatus

Mammal
Fawn rests and waits for mother's return
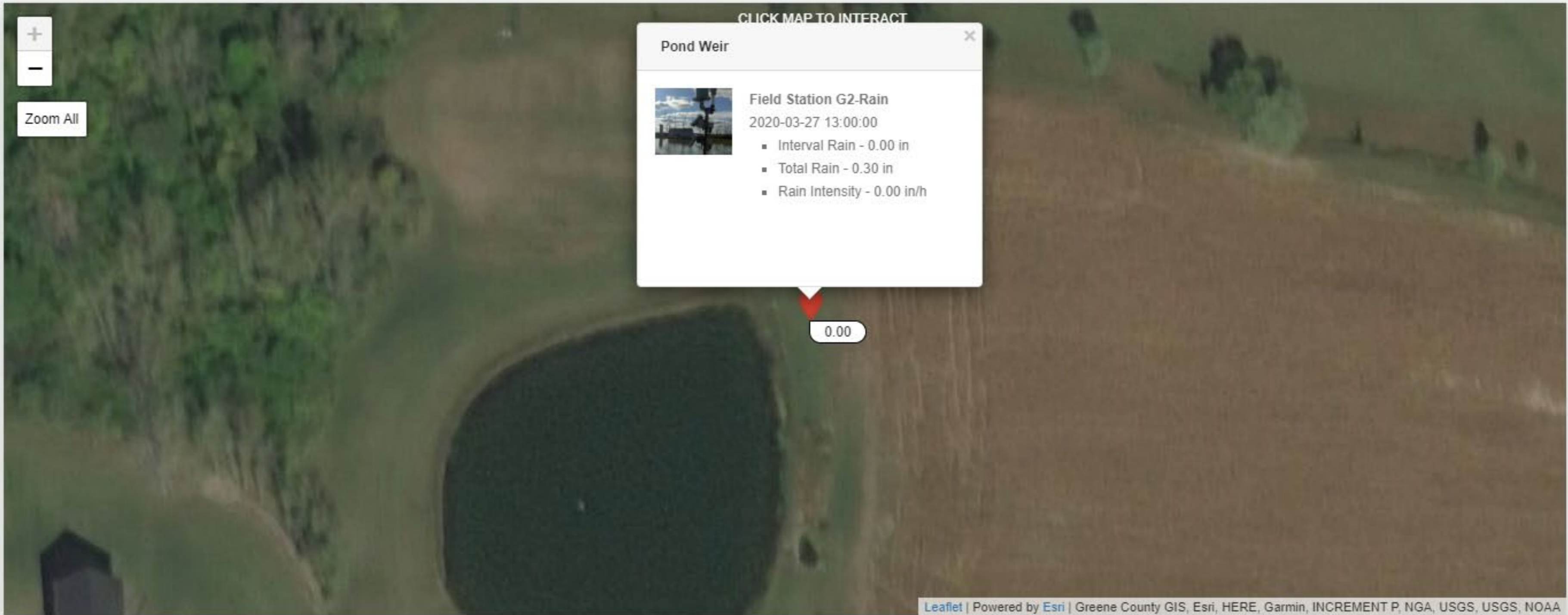
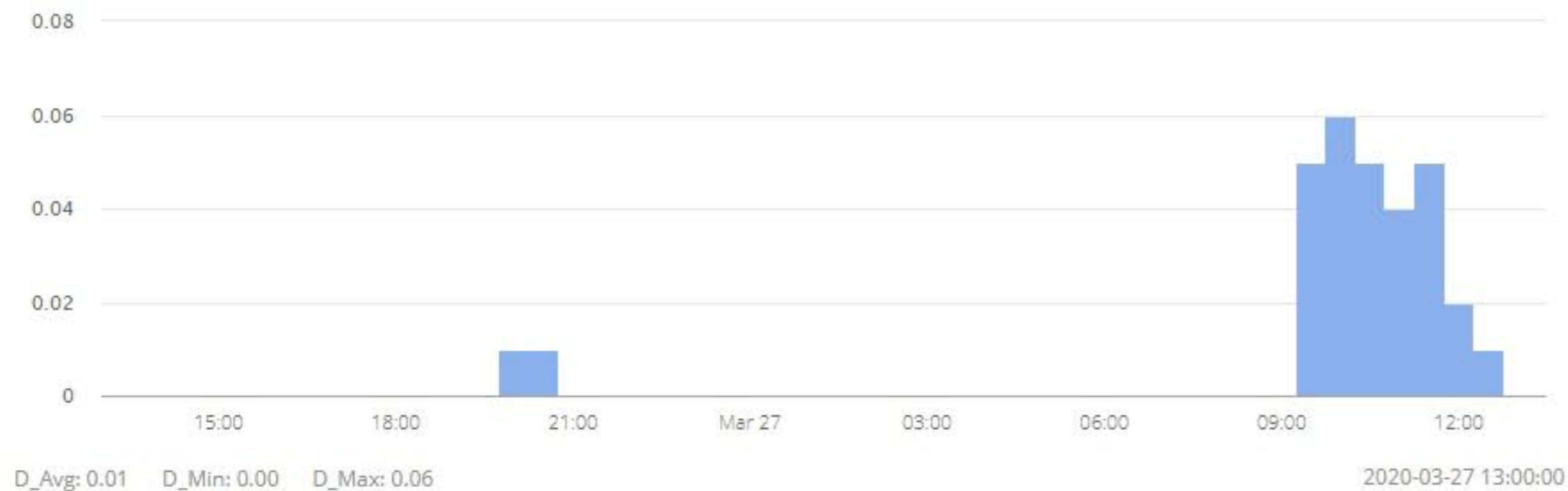**Butterfly**
Male Black Swallowtail - Papilio polyxenes

FONDRIEST
CENTER FOR ENVIRONMENTAL STUDIES

POWERED BY WQDataLIVE

Project Overview ▼

Pond Weir - G2 Rain

Field Station Weather

Project Overview

Pond Weir - G2 Rain in 8 seconds

- Interval Rain
- Total Rain
- Rain Intensity
- Tip Counter
∨ Pond WS
  ∨ Field Station Weather X2
    - Rel. Barometric Pressure
    - Air Temperature
    - Relative Humidity
    - Dewpoint
    - Wind Direction
    - Wind Speed

CLICK MAP TO INTERACT

Zoom All

Pond Weir ✕

Field Station G2-Rain
2020-03-27 13:00:00
- Interval Rain - 0.00 in
- Total Rain - 0.30 in
- Rain Intensity - 0.00 in/h

0.00

Leaflet | Powered by Esri | Greene County GIS, Esri, HERE, Garmin, INCREMENT P, NGA, USGS, USGS, NOAA

Interval Rain (in)

D W M Y

0.08

0.06

0.04

0.02

0

15:00   18:00   21:00   Mar 27   03:00   06:00   09:00   12:00

D_Avg: 0.01   D_Min: 0.00   D_Max: 0.06   2020-03-27 13:00:00

Alarms

#	Name	Type	Status	Event Time
1	Total Rain > 1 in (2hrs)	Alarm	● Normal	2020-02-04 13:06:58
2	G2 Rain Low Power	Alarm	● Normal	2020-03-22 20:00:00
3	Qualifying Event 2 hrs	Rain Alert	● Trigger	2020-03-27 10:00:00
4	G2 Rain Low Power Alert	Alert	● Normal	2020-03-21 10:49:32
5	Weather Station X2 Low Power	Alarm	● Normal	2020-02-09 10:40:00

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LLERY

Field Station Weather X2 - Basic Remote Device Configuration ×

Device Info

Last Contact	04-10-2020 15:01:01
Serial Number	X201001
BASE Firmware Version	2.08.190530
RTU Firmware Version	2.10.190530

Transmit Interval ⑦

Current Value (min)	New Value (min)
20	

Log Interval ⑦

Sensor	Current Value (min)	New Value (min)
X2 Meta Parameters	60	
PT-500	20	
110WX	20	

Parameter Offset ⑦

Parameter	Current Value	New Value
▶ X2 Meta Parameters		
▶ PT-500		
▶ 110WX		

Others

	Current Value	New Value
Device Name	Field Station Weather X2	
Reset ⑦	N/A	No ▾

SAVE   CLOSE

- Users

Name   E-

NexSens   w

NexSens Admin 1   ac   Remove

NexSens Admin 2   ac   Remove

NexSens Admin 3   ac   Remove

NexSens Collaborator 1   co   Remove

NexSens Collaborator 2   co   Remove

NexSens Collaborator 3   co   Remove

NEW USER   ADD

- Project/Site

Configure Project and Site settings
- ▶ Project
- ▶ Sites

SAVE

- Device Remote Configuration

Configure device settings
- ▼ Pond Weir
  - Field Station G2-Rain - ⋯
- ▼ Pond WS
  - Field Station Weather X2 - ⋯