

## **Factual Report – Attachment 18**

Additional Earth Networks information.

# **METEOROLOGY**

DCA18MM028

*Submitted by: Mike Richards  
NTSB, AS-30*

**Earth Networks alerts emailed to Ride The Ducks Branson on July 19, 2018,  
provided by the Ride The Ducks Branson Operations Manager**

## Richards Michael

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From: [REDACTED]@earthnetworks.com [REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 12:27 PM  
To: Branson Ducks Weather [REDACTED]@ripleys.com>  
Subject: Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watches 283/284 National Weather Service Springfield MO  
1226 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 34 counties

In Central Missouri

Benton Camden Hickory maries Miller Morgan Pulaski

In East Central Missouri

Phelps

In South Central Missouri

Dent Howell Oregon Shannon Texas

In Southwest Missouri

Barry Barton Cedar Christian dade Dallas Douglas Greene Jasper  
Laclede Lawrence Mcdonald Newton Ozark Polk Stone Taney Webster  
Wright

In West Central Missouri

St. Clair Vernon

This includes the cities of Alton, Anderson, Appleton City, Arnica, Aurora, Aurora Springs, Ava, Bangert, Bendavis, Birch Tree, Bolivar, Branson, Buffalo, Camdenton, Caplinger Mills, Carthage, Cassville, Cedar Springs, Charity, Christian Center, Cole Camp, Couch, Crane, Crockerville, Cross Timbers, Darien, Dawson, Decaturville, Dogwood, Duncan, Edgewater Beach, Edmonson, El Dorado Springs, Eldon, Eley, Filley, Foose, Forsyth, Fort Leonard Wood, Gladden, Goodhope, Goodman, Graff, Greenfield, Greer, Hermitage, Hollister, Howes, Huggins, Indian Point, Jadwin, Johnson City, Joplin, Kenoma, Kimberling City, Kirbyville, Lake Ozark, Lake Spring, Lamar, Laquey, Laurie, Lebanon, Lincoln, Lockwood, Lynchburg, Madry, Mansfield, March, Marionville, Marshfield, Meinert, Monett, Montier, Mora, Mount Vernon, Mountain Grove, Neosho, Nevada, Nixa, Noel, Northview, Northweye, Olive, Osage Beach, Ozark, Ozark Beach, Pineville, Pittsburg, Plad, Plato, Pomona, Pottersville, Powersite, Quincy, Roach, Roby, Rocky Comfort, Rocky Mount, Rogersville,

Rolla, Rome, Salem, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Springfield, Squires, Stockton, Stover, Teresita, Thayer, Thomasville, Tiffin, Vanzant, Versailles, Vichy, Village of Four Seasons, Warsaw, Wasola, Waynesville, Weaubleau, West Plains, Wheatland, Whitakerville, White church, Wilderness, Windyville, and Winona.

Activated Time: 12:26PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].

Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.

For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com [REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 3:51 PM  
To: Branson Ducks Weather <[REDACTED]@ripleys.com>  
Subject: Heat Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Heat

Threshold: Outdoor Temperature greater than 95°F within 20mi  
Observation: 95°F  
Station: KBBG  
Location: Ridgedale, Missouri

Activated Time: 3:51PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.  
For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From [REDACTED]@earthnetworks.com <[REDACTED]@earthnetworks.com>

Sent: Thursday, July 19, 2018 4:17 PM

To: Branson Ducks Weather [REDACTED]@ripleys.com>

Subject: Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watches 283/284 National Weather Service Springfield MO  
416 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 34 counties

In Central Missouri

Benton Camden Hickory maries Miller Morgan Pulaski

In East Central Missouri

Phelps

In South Central Missouri

Dent Howell Oregon Shannon Texas

In Southwest Missouri

Barry Barton Cedar Christian dade Dallas Douglas Greene Jasper  
Laclede Lawrence Mcdonald Newton Ozark Polk Stone Taney Webster  
Wright

In West Central Missouri

St. Clair Vernon

This includes the cities of Alton, Anderson, Appleton City, Arnica, Aurora, Aurora Springs, Ava, Bangert, Bendavis, Birch Tree, Bolivar, Branson, Buffalo, Camdenton, Caplinger Mills, Carthage, Cassville, Cedar Springs, Charity, Christian Center, Cole Camp, Couch, Crane, Crockerville, Cross Timbers, Darien, Dawson, Decaturville, Dogwood, Duncan, Edgewater Beach, Edmonson, El Dorado Springs, Eldon, Eley, Filley, Foose, Forsyth, Fort Leonard Wood, Gladden, Goodhope, Goodman, Graff, Greenfield, Greer, Hermitage, Hollister, Howes, Huggins, Indian Point, Jadwin, Johnson City, Joplin, Kenoma, Kimberling City, Kirbyville, Lake Ozark, Lake Spring, Lamar, Laquey, Laurie, Lebanon, Lincoln, Lockwood, Lynchburg, Madry, Mansfield, March, Marionville, Marshfield, Meinert, Monett, Montier, Mora, Mount Vernon, Mountain Grove, Neosho, Nevada, Nixa, Noel, Northview, Northweye, Olive, Osage Beach, Ozark, Ozark Beach, Pineville, Pittsburg, Plad, Plato, Pomona, Pottersville, Powersite, Quincy, Roach, Roby, Rocky Comfort, Rocky Mount, Rogersville,

Rolla, Rome, Salem, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Springfield, Squires, Stockton, Stover, Teresita, Thayer, Thomasville, Tiffin, Vanzant, Versailles, Vichy, Village of Four Seasons, Warsaw, Wasola, Waynesville, Weaubleau, West Plains, Wheatland, Whitakerville, White church, Wilderness, Windyville, and Winona.

Activated Time: 4:16PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].

Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.

For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com [REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 5:51 PM  
To: Branson Ducks Weather [REDACTED]@ripleys.com>  
Subject: Heat Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Heat

Threshold: Outdoor Temperature greater than 95°F within 20mi  
Observation: 95°F  
Station: KBBG  
Location: Ridgedale, Missouri

Activated Time: 5:51PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.  
For any other feedback please email us at: [REDACTED]@earthnetworks.com



## Richards Michael

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From: [REDACTED]@earthnetworks.com <[REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 6:10 PM  
To: Branson Ducks Weather <[REDACTED]@ripleys.com>  
Subject: Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watches 283/284 National Weather Service Springfield MO  
609 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 20 counties

In South Central Missouri

Howell            Oregon            Shannon Texas

In Southwest Missouri

Barry            Christian            dade Dallas            Douglas            Greene Jasper            Lawrence            Mcdonald  
Newton            Ozark            Polk Stone            Taney            Webster Wright

This includes the cities of Alton, Anderson, Aurora, Ava, Bendavis, Birch Tree, Bolivar, Branson, Buffalo, Carthage, Cassville, Charity, Christian Center, Couch, Crane, Dawson, Dogwood, Duncan, Edgewater Beach, Elsey, Foose, Forsyth, Goodhope, Goodman, Graff, Greenfield, Greer, Hollister, Huggins, Indian Point, Joplin, Kimberling City, Kirbyville, Lockwood, Madry, Mansfield, March, Marionville, Marshfield, Meinert, Monett, Montier, Mount Vernon, Mountain Grove, Neosho, Nixa, Noel, Northview, Olive, Ozark, Ozark Beach, Pineville, Plad, Plato, Pomona, Pottersville, Powersite, Roby, Rocky Comfort, Rogersville, Rome, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Springfield, Squires, Teresita, Thayer, Thomasville, Vanzant, Wasola, West Plains, White church, Wilderness, Windyville, and Winona.

Activated Time: 6:09PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.  
For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com <[REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 6:33 PM  
To: Branson Ducks Weather [REDACTED]@ripleys.com>  
Subject: Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Severe Weather

Severe Thunderstorm Warning

BULLETIN - IMMEDIATE BROADCAST REQUESTED Severe Thunderstorm Warning National Weather Service Springfield  
MO  
632 PM CDT THU JUL 19 2018

The National Weather Service in Springfield has issued a

\* Severe Thunderstorm Warning for...  
Taney County in southwestern Missouri...  
Stone County in southwestern Missouri...  
Barry County in southwestern Missouri...

\* Until 730 PM CDT.

\* At 631 PM CDT, severe thunderstorms were located along a line extending from near Sparta to near Wheaton, moving southeast at 50 mph.

HAZARD...60 mph wind gusts.

SOURCE...Radar indicated.

IMPACT...Expect damage to roofs, siding, and trees.

\* Locations impacted include...

Branson...	Lake Taneycomo...
Table Rock Lake...	Bull Shoals Lake...
Roaring River State Park...	Table Rock State Park...
Hollister...	Cassville...
Silver Dollar City...	Kimberling City...
Forsyth...	Merriam Woods...
Shell Knob...	Kissee Mills...
Purdy...	Reeds Spring...
Seligman...	Rockaway Beach...
Exeter...	Wheaton...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

For your protection move to an interior room on the lowest floor of a building.

Torrential rainfall is occurring with these storms, and may lead to flash flooding. Do not drive your vehicle through flooded roadways.

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Activated Time: 6:32PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].

Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

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**From:** [REDACTED]@earthnetworks.com  
**Sent:** Thursday, July 19, 2018 6:49 PM  
**To:** Matt Sullenger  
**Subject:** 20 Mile Lightning Alert Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: 20 Mile Lightning Alert

Lightning alert within 20mi 30min

Lightning Distance: 19.27 miles  
Stroke Location: Lat: 36.8571 Lon: -93.2816  
Type: IC  
Peak Current: +4.83 kA

Activated Time: 6:48PM on 7/19

This Alert was generated from a rule created by User Id: [REDACTED]  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com [REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 6:49 PM  
To: Branson Ducks Weather [REDACTED]@ripleys.com>  
Subject: 20 Mile Lightning Alert Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: 20 Mile Lightning Alert

Lightning alert within 20mi 30min

Lightning Distance: 19.27 miles  
Stroke Location: Lat: 36.8571 Lon: -93.2816  
Type: IC  
Peak Current: +4.83 kA

Activated Time: 6:48PM on 7/19

This Alert was generated from a rule created by User Id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.  
For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com <[REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 7:03 PM  
To: Branson Ducks Weather [REDACTED]@ripleys.com>  
Subject: Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Severe Weather

Severe Thunderstorm Warning

Severe Weather Statement  
National Weather Service Springfield MO  
702 PM CDT THU JUL 19 2018

Taney MO-Stone MO-Barry MO-  
702 PM CDT THU JUL 19 2018

...A SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT UNTIL 730 PM CDT FOR TANEY...STONE AND BARRY COUNTIES...

At 702 PM CDT, severe thunderstorms were located along a line extending from near Taneyville to Washburn, moving south at 30 mph.

HAZARD...70 mph wind gusts.

SOURCE...Radar indicated.

IMPACT...Expect considerable tree damage. Damage is likely to mobile homes, roofs, and outbuildings.

Locations impacted include...

Branson...	Lake Taneycomo...
Table Rock Lake...	Bull Shoals Lake...
Roaring River State Park...	Table Rock State Park...
Hollister...	Cassville...
Silver Dollar City...	Kimberling City...
Forsyth...	Merriam Woods...
Shell Knob...	Kissee Mills...
Reeds Spring...	Seligman...
Rockaway Beach...	Exeter...
Bull Creek...	Indian Point...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

For your protection move to an interior room on the lowest floor of a building.

Torrential rainfall is occurring with these storms, and may lead to flash flooding. Do not drive your vehicle through flooded roadways.

&&

Activated Time: 7:02PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED]

Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com [REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 7:04 PM  
To: Branson Ducks Weather [REDACTED]@ripleys.com>  
Subject: Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watch 283  
National Weather Service Springfield MO  
703 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 13 counties

In South Central Missouri

Howell            Oregon            Shannon Texas

In Southwest Missouri

Barry            Christian            Douglas McDonald            Ozark            Stone Taney            Webster            Wright

This includes the cities of Alton, Anderson, Ava, Bendavis, Birch Tree, Branson, Cassville, Christian Center, Couch, Crane, Dawson, Dogwood, Duncan, Edgewater Beach, Eley, Forsyth, Goodhope, Goodman, Graff, Greer, Hollister, Huggins, Indian Point, Kimberling City, Kirbyville, Madry, Mansfield, Marshfield, Monett, Montier, Mountain Grove, Nixa, Noel, Northview, Ozark, Ozark Beach, Pineville, Plato, Pomona, Pottersville, Powersite, Roby, Rocky Comfort, Rogersville, Rome, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Squires, Teresita, Thayer, Thomasville, Vanzant, Wasola, West Plains, White church, Wilderness, and Winona.

Activated Time: 7:03PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at: [REDACTED]@earthnetworks.com



## Richards Michael

---

From: [REDACTED]@earthnetworks.com [REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 7:11 PM  
To: Matt Sullenger <[REDACTED]@ripleys.com>  
Subject: Wind Speed Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Wind Speed Warning

Threshold: Wind Speed greater than 30mph within 20mi

Observation: 31.07mph

Station: KFWB

Location: Branson West, Missouri

Activated Time: 7:10PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].

Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.

For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com <[REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 7:11 PM  
To: Branson Ducks Weather <[REDACTED]@ripleys.com>  
Subject: Wind Speed Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Wind Speed Warning

Threshold: Wind Speed greater than 30mph within 20mi  
Observation: 31.07mph  
Station: KFWB  
Location: Branson West, Missouri

Activated Time: 7:10PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.  
For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com [REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 7:19 PM  
To: Branson Ducks Weather <[REDACTED]@ripleys.com>  
Subject: Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Severe Weather

Severe Thunderstorm Warning

Severe Weather Statement  
National Weather Service Springfield MO  
718 PM CDT THU JUL 19 2018

Taney MO-Stone MO-Barry MO-  
718 PM CDT THU JUL 19 2018

...A SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT UNTIL 730 PM CDT FOR TANEY...SOUTHERN STONE AND SOUTHERN BARRY COUNTIES...

At 718 PM CDT, severe thunderstorms were located along a line extending from near Taneyville to Branson to 10 miles north of Grandview to near Seligman, moving south at 25 mph.

HAZARD...70 mph wind gusts.

SOURCE...Radar indicated.

IMPACT...Expect considerable tree damage. Damage is likely to mobile homes, roofs, and outbuildings.

Locations impacted include...

Branson...	Lake Taneycomo...
Table Rock Lake...	Bull Shoals Lake...
Roaring River State Park...	Table Rock State Park...
Hollister...	Kimberling City...
Forsyth...	Merriam Woods...
Shell Knob...	Kissee Mills...
Seligman...	Rockaway Beach...
Indian Point...	Taneyville...
Golden...	Table Rock...
Emerald Beach...	Kirbyville...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

For your protection move to an interior room on the lowest floor of a building.

Torrential rainfall is occurring with these storms, and may lead to flash flooding. Do not drive your vehicle through flooded roadways.

&&

Activated Time: 7:18PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED]

Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com [REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 7:36 PM  
To: Branson Ducks Weather <[REDACTED]@ripleys.com>  
Subject: Wind Gust Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Wind Gust Warning

Threshold: Wind Speed (Average) greater than 35mph within 20mi  
Observation: 41.43mph  
Station: KBBG  
Location: Ridgedale, Missouri

Activated Time: 7:36PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.  
For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com <[REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 7:36 PM  
To: Matt Sullenger <[REDACTED]@ripleys.com>  
Subject: Wind Gust Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Wind Gust Warning

Threshold: Wind Speed (Average) greater than 35mph within 20mi  
Observation: 41.43mph  
Station: KBBG  
Location: Ridgedale, Missouri

Activated Time: 7:36PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules.  
For any other feedback please email us at: [REDACTED]@earthnetworks.com

## Richards Michael

---

From: [REDACTED]@earthnetworks.com <[REDACTED]@earthnetworks.com>  
Sent: Thursday, July 19, 2018 8:02 PM  
To: Branson Ducks Weather <[REDACTED]@ripleys.com>  
Subject: Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watch 283  
National Weather Service Springfield MO  
801 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 7 counties

In South Central Missouri

Howell            Oregon            Shannon Texas

In Southwest Missouri

Douglas            Ozark            Taney

This includes the cities of Alton, Ava, Bendavis, Birch Tree, Branson, Couch, Dogwood, Edgewater Beach, Forsyth, Goodhope, Greer, Hollister, Huggins, Kirbyville, Montier, Ozark Beach, Plato, Pomona, Pottersville, Powersite, Roby, Rome, Siloam Springs, South Fork, Squires, Teresita, Thayer, Thomasville, Vanzant, Wasola, West Plains, White church, Wilderness, and Winona.

Activated Time: 8:01PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].

Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at: [REDACTED]@earthnetworks.com

**Earth Networks alerts emailed to Ride The Ducks Branson on July 19, 2018,  
provided by Earth Networks**



Reply all | Delete Junk | ...

# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [redacted]@earthnetworks.com  
Thu 7/19, 12:29 PM  
[redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watch 283  
National Weather Service Springfield MO  
1128 AM CDT Thu Jul 19 2018

The National Weather Service has issued Severe Thunderstorm Watch 283 in effect until 9 PM CDT this evening for the following areas

In Missouri this watch includes 34 counties

In Central Missouri

Benton Camden Hickory maries Miller Morgan Pulaski

In East Central Missouri

Phelps

In South Central Missouri

Dent Howell Oregon Shannon Texas

In Southwest Missouri

Barry Barton Cedar Christian dade Dallas Douglas  
Greene Jasper Laclede Lawrence Mcdonald Newton Ozark Polk  
Stone Taney Webster Wright

In West Central Missouri

St. Clair Vernon

 Reply all |   Delete Junk |  ...

Springs, Charity, Christian Center, Cole Camp, Couch, Crane, Crockerville, Cross Timbers, Darien, Dawson, Decaturville, Dogwood, Duncan, Edgewater Beach, Edmonson, El Dorado Springs, Eldon, Elsey, Filley, Foose, Forsyth, Fort Leonard Wood, Gladden, Goodhope, Goodman, Graff, Greenfield, Greer, Hermitage, Hollister, Howes, Huggins, Indian Point, Jadwin, Johnson City, Joplin, Kenoma, Kimberling City, Kirbyville, Lake Ozark, Lake Spring, Lamar, Laquey, Laurie, Lebanon, Lincoln, Lockwood, Lynchburg, Madry, Mansfield, March, Marionville, Marshfield, Meinert, Monett, Montier, Mora, Mount Vernon, Mountain Grove, Neosho, Nevada, Nixa, Noel, Northview, Northwye, Olive, Osage Beach, Ozark, Ozark Beach, Pineville, Pittsburg, Plad, Plato, Pomona, Pottersville, Powersite, Quincy, Roach, Roby, Rocky Comfort, Rocky Mount, Rogersville, Rolla, Rome, Salem, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Springfield, Squires, Stockton, Stover, Teresita, Thayer, Thomasville, Tiffin, Vanzant, Versailles, Vichy, Village of Four Seasons, Warsaw, Wasola, Waynesville, Weaubleau, West Plains, Wheatland, Whitakerville, White church, Wilderness, Windyville, and Winona.

Activated Time: 11:28AM on 7/19

This Alert was generated from a rule created by [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[REDACTED]@earthnetworks.com

[REDACTED]

[REDACTED]

Reply all | Delete Junk | ...

# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 1:26 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watches 283/284  
National Weather Service Springfield MO  
1226 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 34 counties

In Central Missouri

Benton Camden Hickory maries Miller Morgan Pulaski

In East Central Missouri

Phelps

In South Central Missouri

Dent Howell Oregon Shannon Texas

In Southwest Missouri

Barry Barton Cedar Christian dade Dallas Douglas  
Greene Jasper Laclede Lawrence Mcdonald Newton Ozark Polk  
Stone Taney Webster Wright

In West Central Missouri



St. Clair Vernon

This includes the cities of Alton, Anderson, Appleton City, Arnica, Aurora, Aurora Springs, Ava, Bangert,

 Reply all |   Delete Junk |  ...

Decaturville, Dogwood, Duncan, Edgewater Beach, Edmonson, El Dorado Springs, Eldon, Elsey, Filley, Foose, Forsyth, Fort Leonard Wood, Gladden, Goodhope, Goodman, Graff, Greenfield, Greer, Hermitage, Hollister, Howes, Huggins, Indian Point, Jadwin, Johnson City, Joplin, Kenoma, Kimberling City, Kirbyville, Lake Ozark, Lake Spring, Lamar, Laquey, Laurie, Lebanon, Lincoln, Lockwood, Lynchburg, Madry, Mansfield, March, Marionville, Marshfield, Meinert, Monett, Montier, Mora, Mount Vernon, Mountain Grove, Neosho, Nevada, Nixa, Noel, Northview, Northweye, Olive, Osage Beach, Ozark, Ozark Beach, Pineville, Pittsburg, Plad, Plato, Pomona, Pottersville, Powersite, Quincy, Roach, Roby, Rocky Comfort, Rocky Mount, Rogersville, Rolla, Rome, Salem, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Springfield, Squires, Stockton, Stover, Teresita, Thayer, Thomasville, Tiffin, Vanzant, Versailles, Vichy, Village of Four Seasons, Warsaw, Wasola, Waynesville, Weaubleau, West Plains, Wheatland, Whitakerville, White church, Wilderness, Windyville, and Winona.

Activated Time: 12:26PM on 7/19

This Alert was generated from a rule created by User id:   
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# Heat Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 4:51 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Heat

Threshold: Outdoor Temperature greater than 95°F within 20mi

Observation: 95°F

Station: KBBG

Location: Ridgedale, Missouri

Activated Time: 3:51PM on 7/19

This Alert was generated from a rule created by User id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:  
[Redacted]@earthnetworks.com

[Redacted]

[Redacted]

Reply all | Delete Junk | ...



# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com  
Thu 7/19, 5:17 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watches 283/284  
National Weather Service Springfield MO  
416 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 34 counties

In Central Missouri

Benton Camden Hickory maries Miller Morgan Pulaski

In East Central Missouri

Phelps

In South Central Missouri

Dent Howell Oregon Shannon Texas

In Southwest Missouri

Barry Barton Cedar Christian dade Dallas Douglas  
Greene Jasper Laclede Lawrence Mcdonald Newton Ozark Polk  
Stone Taney Webster Wright

In West Central Missouri

St. Clair Vernon

This includes the cities of Alton, Anderson, Appleton City, Arnica, Aurora, Aurora Springs, Ava, Bangert,

Reply all | Delete | Junk | ...



Decaturville, Dogwood, Duncan, Edgewater Beach, Edmonson, El Dorado Springs, Eldon, Elsey, Filley, Foose, Forsyth, Fort Leonard Wood, Gladden, Goodhope, Goodman, Graff, Greenfield, Greer, Hermitage, Hollister, Howes, Huggins, Indian Point, Jadwin, Johnson City, Joplin, Kenoma, Kimberling City, Kirbyville, Lake Ozark, Lake Spring, Lamar, Laquey, Laurie, Lebanon, Lincoln, Lockwood, Lynchburg, Madry, Mansfield, March, Marionville, Marshfield, Meinert, Monett, Montier, Mora, Mount Vernon, Mountain Grove, Neosho, Nevada, Nixa, Noel, Northview, Northwey, Olive, Osage Beach, Ozark, Ozark Beach, Pineville, Pittsburg, Plad, Plato, Pomona, Pottersville, Powersite, Quincy, Roach, Roby, Rocky Comfort, Rocky Mount, Rogersville, Rolla, Rome, Salem, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Springfield, Squires, Stockton, Stover, Teresita, Thayer, Thomasville, Tiffin, Vanzant, Versailles, Vichy, Village of Four Seasons, Warsaw, Wasola, Waynesville, Weaubleau, West Plains, Wheatland, Whitakerville, White church, Wilderness, Windyville, and Winona.

Activated Time: 4:16PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:  
[REDACTED]@earthnetworks.com

[REDACTED]

[REDACTED]

Reply all | Delete | Junk | ...

# Heat Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [redacted]@earthnetworks.com  
Thu 7/19, 6:51 PM  
[redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Heat

Threshold: Outdoor Temperature greater than 95°F within 20mi

Observation: 95°F

Station: KBBG

Location: Ridgedale, Missouri

Activated Time: 5:51PM on 7/19

This Alert was generated from a rule created by User id: [redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:  
[redacted]@earthnetworks.com

[redacted]



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# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [redacted]@earthnetworks.com  
Thu 7/19, 7:10 PM  
[redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watches 283/284  
National Weather Service Springfield MO  
609 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 20 counties

In South Central Missouri

Howell Oregon Shannon Texas

In Southwest Missouri

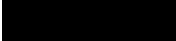
Barry Christian dade Dallas Douglas Greene Jasper  
Lawrence Mcdonald Newton Ozark Polk Stone Taney  
Webster Wright

This includes the cities of Alton, Anderson, Aurora, Ava, Bendavis, Birch Tree, Bolivar, Branson, Buffalo, Carthage, Cassville, Charity, Christian Center, Couch, Crane, Dawson, Dogwood, Duncan, Edgewater Beach, Eley, Foose, Forsyth, Goodhope, Goodman, Graff, Greenfield, Greer, Hollister, Huggins, Indian Point, Joplin, Kimberling City, Kirbyville, Lockwood, Madry, Mansfield, March, Marionville, Marshfield, Meinert, Monett, Montier, Mount Vernon, Mountain Grove, Neosho, Nixa, Noel, Northview, Olive, Ozark, Ozark Beach, Pineville, Plad, Plato, Pomona, Pottersville, Powersite, Roby, Rocky Comfort, Rogersville, Rome, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Springfield, Squires, Teresita, Thayer, Thomasville, Vanzant, Wasola, West Plains, White church, Wilderness, Windyville, and Winona.

Activated Time: 6:09PM on 7/19

This Alert was generated from a rule created by User id: [redacted]

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address from the relevant rules. For any other feedback please email us at:  
@earthnetworks.com





Reply all | Delete Junk | ...

# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 7:32 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Warning

BULLETIN - IMMEDIATE BROADCAST REQUESTED  
Severe Thunderstorm Warning  
National Weather Service Springfield MO  
632 PM CDT THU JUL 19 2018

The National Weather Service in Springfield has issued a

- \* Severe Thunderstorm Warning for...  
Taney County in southwestern Missouri...  
Stone County in southwestern Missouri...  
Barry County in southwestern Missouri...

\* Until 730 PM CDT.

\* At 631 PM CDT, severe thunderstorms were located along a line extending from near Sparta to near Wheaton, moving southeast at 50 mph.

HAZARD...60 mph wind gusts.

SOURCE...Radar indicated.

IMPACT...Expect damage to roofs, siding, and trees.

- \* Locations impacted include...  
Branson... Lake Taneycomo...  
Table Rock Lake... Bull Shoals Lake...  
Roaring River State Park... Table Rock State Park...  
Hollister... Cassville...  
Silver Dollar City... Kimberling City...  
Forsyth... Merriam Woods...

Reply all |   Delete Junk |  ...

Seligman...                      Rockaway Beach...  
Exeter...                              Wheaton...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

For your protection move to an interior room on the lowest floor of a building.

Torrential rainfall is occurring with these storms, and may lead to flash flooding. Do not drive your vehicle through flooded roadways.

&&

Activated Time: 6:32PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[REDACTED]@earthnetworks.com

[REDACTED]

[REDACTED]

Reply all | Delete | Junk | ...

# 20 Mile Lightning Alert Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com  
Thu 7/19, 7:49 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: 20 Mile Lightning Alert

Lightning alert within 20mi 30min

Lightning Distance: 19.27 miles  
Stroke Location: Lat: 36.8571 Lon: -93.2816  
Type: IC  
Peak Current: +4.83 kA

Activated Time: 6:48PM on 7/19

This Alert was generated from a rule created by User Id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:  
[Redacted]@earthnetworks.com

[Redacted]

 Reply all |   Delete    Junk |     

Reply all | Delete | Junk | ...



# 20 Mile Lightning Alert Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com  
Thu 7/19, 7:49 PM  
[Redacted]@ripleys.com

Reply all |

July 2018

Notification Rule: 20 Mile Lightning Alert

Lightning alert within 20mi 30min

Lightning Distance: 19.27 miles  
Stroke Location: Lat: 36.8571 Lon: -93.2816  
Type: IC  
Peak Current: +4.83 kA

Activated Time: 6:48PM on 7/19

This Alert was generated from a rule created by User Id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:  
[Redacted]@earthnetworks.com

[Redacted]

[Redacted]



Reply all | Delete | Junk | ...

# 20 Mile Lightning Alert Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 7:49 PM  
[Redacted]@gmail.com

Reply all |

July 2018

Notification Rule: 20 Mile Lightning Alert

Lightning alert within 20mi 30min

Lightning Distance: 19.27 miles  
Stroke Location: Lat: 36.8571 Lon: -93.2816  
Type: IC  
Peak Current: +4.83 kA

Activated Time: 6:48PM on 7/19

This Alert was generated from a rule created by User Id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:  
[Redacted]@earthnetworks.com

[Redacted]

[Redacted]

 Reply all |   Delete    Junk |     

Reply all | Delete | Junk | ...



# 20 Mile Lightning Alert Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

@earthnetworks.com  
Thu 7/19, 7:49 PM  
@ripleys.com

Reply all |

July 2018

Notification Rule: 20 Mile Lightning Alert

Lightning alert within 20mi 30min

Lightning Distance: 19.27 miles  
Stroke Location: Lat: 36.8571 Lon: -93.2816  
Type: IC  
Peak Current: +4.83 kA

Activated Time: 6:48PM on 7/19

This Alert was generated from a rule created by User Id: .  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:  
@earthnetworks.com

Reply all | Delete | Junk | ...



# 20 Mile Lightning Alert Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com

Thu 7/19, 7:49 PM

[Redacted]@ripleys.com

Reply all |

July 2018

Notification Rule: 20 Mile Lightning Alert

Lightning alert within 20mi 30min

Lightning Distance: 19.27 miles

Stroke Location: Lat: 36.8571 Lon: -93.2816

Type: IC

Peak Current: +4.83 kA

Activated Time: 6:48PM on 7/19

This Alert was generated from a rule created by User Id: [Redacted]. Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

[Redacted]

Reply all | Delete | Junk | ...



# 20 Mile Lightning Alert Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com

Thu 7/19, 7:49 PM

[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: 20 Mile Lightning Alert

Lightning alert within 20mi 30min

Lightning Distance: 19.27 miles

Stroke Location: Lat: 36.8571 Lon: -93.2816

Type: IC

Peak Current: +4.83 kA

Activated Time: 6:48PM on 7/19

This Alert was generated from a rule created by User Id: [Redacted]. Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

[Redacted]

Reply all | Delete Junk | ...

# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 8:02 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Warning

Severe Weather Statement  
National Weather Service Springfield MO  
702 PM CDT THU JUL 19 2018

Taney MO-Stone MO-Barry MO-  
702 PM CDT THU JUL 19 2018

...A SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT UNTIL 730 PM CDT FOR TANEY...STONE AND BARRY COUNTIES...

At 702 PM CDT, severe thunderstorms were located along a line extending from near Taneyville to Washburn, moving south at 30 mph.

HAZARD...70 mph wind gusts.

SOURCE...Radar indicated.

IMPACT...Expect considerable tree damage. Damage is likely to mobile homes, roofs, and outbuildings.

Locations impacted include...

- Branson... Lake Taneycomo...
- Table Rock Lake... Bull Shoals Lake...
- Roaring River State Park... Table Rock State Park...
- Hollister... Cassville...
- Silver Dollar City... Kimberling City...
- Forsyth... Merriam Woods...
- Shell Knob... Kissee Mills...
- Reeds Spring... Seligman...
- Rockaway Beach... Exeter...
- Bull Creek... Indian Point...

 Reply all |   Delete Junk |  ...

For your protection move to an interior room on the lowest floor of a building.

Torrential rainfall is occurring with these storms, and may lead to flash flooding. Do not drive your vehicle through flooded roadways.

&&

Activated Time: 7:02PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED]  
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[REDACTED]@earthnetworks.com

[REDACTED]

[REDACTED]

Reply all | Delete Junk | ...

# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 8:03 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watch 283  
National Weather Service Springfield MO  
703 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 13 counties

In South Central Missouri

Howell Oregon Shannon Texas

In Southwest Missouri

Barry Christian Douglas McDonald Ozark Stone Taney  
Webster Wright

This includes the cities of Alton, Anderson, Ava, Bendavis, Birch Tree, Branson, Cassville, Christian Center, Couch, Crane, Dawson, Dogwood, Duncan, Edgewater Beach, Elsey, Forsyth, Goodhope, Goodman, Graff, Greer, Hollister, Huggins, Indian Point, Kimberling City, Kirbyville, Madry, Mansfield, Marshfield, Monett, Montier, Mountain Grove, Nixa, Noel, Northview, Ozark, Ozark Beach, Pineville, Plato, Pomona, Pottersville, Powersite, Roby, Rocky Comfort, Rogersville, Rome, Selmore, Seymour, Siloam Springs, Silver Dollar City, South Fork, South West City, Squires, Teresita, Thayer, Thomasville, Vanzant, Wasola, West Plains, White church, Wilderness, and Winona.

Activated Time: 7:03PM on 7/19

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# Wind Speed Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 8:10 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Wind Speed Warning

Threshold: Wind Speed greater than 30mph within 20mi

Observation: 31.07mph

Station: KFWB

Location: Branson West, Missouri

Activated Time: 7:10PM on 7/19

This Alert was generated from a rule created by User id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

 Reply all |   Delete    Junk |     

Reply all | Delete Junk | ...



# Wind Speed Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com  
Thu 7/19, 8:10 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Wind Speed Warning

Threshold: Wind Speed greater than 30mph within 20mi

Observation: 31.07mph

Station: KFWB

Location: Branson West, Missouri

Activated Time: 7:10PM on 7/19

This Alert was generated from a rule created by User id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

Reply all | Delete | Junk | ...

# Wind Speed Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com  
Thu 7/19, 8:10 PM

Reply all |

[Redacted]@gmail.com

July 2018

Notification Rule: Wind Speed Warning

Threshold: Wind Speed greater than 30mph within 20mi

Observation: 31.07mph

Station: KFWB

Location: Branson West, Missouri

Activated Time: 7:10PM on 7/19

This Alert was generated from a rule created by User id: [Redacted]  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

 Reply all |   Delete    Junk |     

Reply all | Delete | Junk | ...

# Wind Speed Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com  
Thu 7/19, 8:10 PM  
[Redacted]@ripleys.com

Reply all |

July 2018

Notification Rule: Wind Speed Warning

Threshold: Wind Speed greater than 30mph within 20mi

Observation: 31.07mph

Station: KFWB

Location: Branson West, Missouri

Activated Time: 7:10PM on 7/19

This Alert was generated from a rule created by User id: [Redacted]. Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

 Reply all |   Delete    Junk |     



Reply all | Delete | Junk | ...

# Wind Speed Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [redacted]@earthnetworks.com  
Thu 7/19, 8:10 PM  
[redacted]@ripleys.com

Reply all |

July 2018

Notification Rule: Wind Speed Warning

Threshold: Wind Speed greater than 30mph within 20mi

Observation: 31.07mph

Station: KFWB

Location: Branson West, Missouri

Activated Time: 7:10PM on 7/19

This Alert was generated from a rule created by User id: [redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[redacted]@earthnetworks.com

[redacted]

 Reply all |   Delete    Junk |     

Reply all | Delete Junk | ...

# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 8:19 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Warning

Severe Weather Statement  
National Weather Service Springfield MO  
718 PM CDT THU JUL 19 2018

Taney MO-Stone MO-Barry MO-  
718 PM CDT THU JUL 19 2018

...A SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT UNTIL 730 PM CDT FOR TANEY...SOUTHERN STONE AND SOUTHERN BARRY COUNTIES...

At 718 PM CDT, severe thunderstorms were located along a line extending from near Taneyville to Branson to 10 miles north of Grandview to near Seligman, moving south at 25 mph.

HAZARD...70 mph wind gusts.

SOURCE...Radar indicated.

IMPACT...Expect considerable tree damage. Damage is likely to mobile homes, roofs, and outbuildings.

Locations impacted include...

- Branson... Lake Taneycomo...
- Table Rock Lake... Bull Shoals Lake...
- Roaring River State Park... Table Rock State Park...
- Hollister... Kimberling City...
- Forsyth... Merriam Woods...
- Shell Knob... Kissee Mills...
- Seligman... Rockaway Beach...
- Indian Point... Taneyville...
- Golden... Table Rock...

Reply all |   Delete Junk |  ...

PRECAUTIONARY/PREPAREDNESS ACTIONS...

For your protection move to an interior room on the lowest floor of a building.

Torrential rainfall is occurring with these storms, and may lead to flash flooding. Do not drive your vehicle through flooded roadways.

&&

Activated Time: 7:18PM on 7/19

This Alert was generated from a rule created by User id: [REDACTED]. Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at: [REDACTED]@earthnetworks.com

[REDACTED]

[REDACTED]

Reply all | Delete Junk | ...

# Wind Gust Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 8:36 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Wind Gust Warning

Threshold: Wind Speed (Average) greater than 35mph within 20mi

Observation: 41.43mph

Station: KBBG

Location: Ridgedale, Missouri

Activated Time: 7:36PM on 7/19

This Alert was generated from a rule created by User id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

 Reply all |   Delete    Junk |     

Reply all | Delete | Junk | ...

# Wind Gust Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com

Thu 7/19, 8:36 PM

[Redacted]@ripleys.com

Reply all |

July 2018

Notification Rule: Wind Gust Warning

Threshold: Wind Speed (Average) greater than 35mph within 20mi

Observation: 41.43mph

Station: KBBG

Location: Ridgedale, Missouri

Activated Time: 7:36PM on 7/19

This Alert was generated from a rule created by User id: [Redacted]. Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

Reply all | Delete | Junk | ...

# Wind Gust Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 8:36 PM  
[Redacted]@gmail.com

Reply all |

July 2018

Notification Rule: Wind Gust Warning

Threshold: Wind Speed (Average) greater than 35mph within 20mi

Observation: 41.43mph

Station: KBBG

Location: Ridgedale, Missouri

Activated Time: 7:36PM on 7/19

This Alert was generated from a rule created by User id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]



 Reply all |   Delete    Junk |     

Reply all | Delete Junk | ...



# Wind Gust Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N

[Redacted]@earthnetworks.com

Thu 7/19, 8:36 PM

[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Wind Gust Warning

Threshold: Wind Speed (Average) greater than 35mph within 20mi

Observation: 41.43mph

Station: KBBG

Location: Ridgedale, Missouri

Activated Time: 7:36PM on 7/19

This Alert was generated from a rule created by User id: [Redacted]  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:

[Redacted]@earthnetworks.com

[Redacted]

Reply all | Delete | Junk | ...

# Wind Gust Warning Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 8:36 PM  
[Redacted]@ripleys.com

Reply all |

July 2018

Notification Rule: Wind Gust Warning

Threshold: Wind Speed (Average) greater than 35mph within 20mi

Observation: 41.43mph

Station: KBBG

Location: Ridgedale, Missouri

Activated Time: 7:36PM on 7/19

This Alert was generated from a rule created by User id: [Redacted].  
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[Redacted]@earthnetworks.com

[Redacted]

 Reply all |   Delete    Junk |     

Reply all | Delete Junk | ...

# Severe Weather Notification - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 9:01 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Notification Rule: Severe Weather

Severe Thunderstorm Watch

Watch county notification for watch 283  
National Weather Service Springfield MO  
801 PM CDT Thu Jul 19 2018

Severe Thunderstorm Watch 283 remains valid until 9 PM CDT this evening for the following areas

In Missouri this watch includes 7 counties

In South Central Missouri

Howell Oregon Shannon Texas

In Southwest Missouri

Douglas Ozark Taney

This includes the cities of Alton, Ava, Bendavis, Birch Tree, Branson, Couch, Dogwood, Edgewater Beach, Forsyth, Goodhope, Greer, Hollister, Huggins, Kirbyville, Montier, Ozark Beach, Plato, Pomona, Pottersville, Powersite, Roby, Rome, Siloam Springs, South Fork, Squires, Teresita, Thayer, Thomasville, Vanzant, Wasola, West Plains, White church, Wilderness, and Winona.

Activated Time: 8:01PM on 7/19

This Alert was generated from a rule created by User id: [Redacted].  
Please do not reply to this email. This email is delivered to you from Earth Networks upon your request. If you no longer want to receive these notifications please login to StreamerRT and remove your email address from the relevant rules. For any other feedback please email us at:  
[Redacted]@earthnetworks.com

 Reply all |   Delete  Junk |  

Reply all | Delete | Junk | ...

# Lightning All Clear - 20 Mile Lightning Alert - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 9:32 PM  
[Redacted]@bransonducks.com

Reply all |

July 2018

Lightning All Clear. The lightning alert issued at 6:48PM on 7/19 at State Park Marina - 20 Mile Radius, has been cleared based upon the parameters you defined. This note does not ensure the threat of lightning is absent completely or that another lightning alert will not be issued imminently.

This Alert was generated from a rule created by User Id: [Redacted]. Please do not reply to this email. This email was delivered to you from Earth Networks upon your request. Please contact your administrator if you want to be removed from the list of recipients for alerts. For any other feedback please email us at: [Redacted]@earthnetworks.com

[Redacted]

 Reply all |   Delete    Junk |     



Reply all | Delete | Junk | ...

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N [redacted]@earthnetworks.com  
Thu 7/19, 9:32 PM  
[redacted]@ripleys.com

Reply all |

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[redacted]

[redacted]

 Reply all |   Delete    Junk |     

Reply all | Delete | Junk | ...

# Lightning All Clear - 20 Mile Lightning Alert - State Park Marina - 20 Mile Radius - StreamerRT

N [Redacted]@earthnetworks.com  
Thu 7/19, 9:32 PM  
[Redacted]@gmail.com

Reply all |

July 2018

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[Redacted]

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[redacted]

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Thu 7/19, 9:32 PM  
[redacted]@bransonducks.com

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[redacted]

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[redacted]

[redacted]



 Reply all |   Delete    Junk |     

## **Conversation with WDT**



## RECORD OF CONVERSATION

---

**Date:** October 12, 2018  
**Time:** about 1430-1520 eastern daylight time  
**Location:** Telephone  
**Person Contacted:** Mr. JT Johnson, Weather Decision Technologies, Inc.  
Mr. Mike Eilts, Weather Decision Technologies, Inc.  
Dr. Chris Porter, Weather Decision Technologies, Inc.  
Mr. Ben Baranowski, Weather Decision Technologies, Inc.  
**Persons Present:** Mr. Mike Richards, National Transportation Safety Board  
Mr. Kelsey Angle, National Weather Service  
**Subject:** Accident Investigation DCA18MM028

---

On October 12, 2018, at approximately 1430 eastern daylight time (EDT), Mr. Mike Richards of the National Transportation Safety Board and Mr. Kelsey Angle of the National Weather Service had a telephone conversation with Weather Decision Technologies, Inc. (WDT). During the conversation WDT reported the following:

WDT creates two WSR-88D weather radar mosaics that are provided to Earth Networks: (1) a “low altitude” mosaic and (2) a “composite” mosaic. The composite mosaic is based on Level II WSR-88D data and has a resolution of 0.01x0.01 latitude/longitude or roughly 1-km. WDT is constantly receiving Level II data from the WSR-88D weather radar network in the United States on a scan-by-scan (tilt-by-tilt) basis. Once received, each scan undergoes a quality control (QC) process which removes non-precipitation targets based on dual polarization information received from the radar. This QC process takes about 1 minute per individual radar scan. Every 5 minutes, beginning at the top of the hour (i.e., at time steps of :00, :05, :10, :15, etc, minutes past each hour), a composite mosaic creation process is started. For each individual grid point within the mosaic’s geographic domain, only data from radars positioned within 300 kilometers of that grid point are able to contribute to the composite mosaic at that grid point. Radar data from every scan from each contributing radar over that grid point is considered and the highest value of reflectivity from those scans over that grid point is used for the final two-dimensional composite mosaic product at that grid point. During conversion from a polar coordinate system to a cartesian coordinate system for the final two-dimensional composite mosaic product, interpolation occurs that changes the effective spatial resolution. WDT does apply minor smoothing (using a percentile smoother) to the composite mosaic. Once the final composite mosaic product is created it is deposited into the local data manager (LDM) and transmitted to Earth Networks. The average time between the start of

the composite mosaic creation process to the time the final composite mosaic product is made available to Earth Networks via the LDM is roughly one minute.

The grid point within the mosaic domain near Table Rock Lake considered contribution from five different WSR-88D weather radars.

The time that the composite mosaic creation process is started is considered that mosaic's "valid time." Using this valid time is considered the "industry standard" for timestamping weather radar mosaics. The time stamp associated with the individual QC'ed composite mosaics created by WDT and requested by the NTSB is that mosaic's valid time.<sup>1</sup> Considering average composite mosaic creation process times, and delivery time to the LDM, Earth Networks would have access to final WDT composite mosaics about one minute after their valid times [assuming WDT and Earth Networks' clocks are synchronized<sup>2</sup>].

The QC process applied to the Level II WSR-88D weather radar data used in the composite mosaic creation process, which removes non-precipitation echoes, is done so in response to WDT's customers' demand for "clean" precipitation products. WDT has been producing composite mosaic products for customers for over 14 years and this strategy has been applied throughout that time. WDT has received feedback that radar products that include non-precipitation targets can be misinterpreted and are not desired by customers and end-users.

Conversation ended at approximately 1520 EDT.

Mike Richards  
Senior Meteorologist  
Operational Factors Division  
National Transportation Safety Board

Kelsey Angle  
Meteorologist In Charge  
Springfield, Missouri, Weather Forecast Office  
National Weather Service

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<sup>1</sup> On October 12, 2018, the NTSB requested graphical representations of the final composite mosaics with valid times surrounding the accident time made available to Earth Networks.

<sup>2</sup> In later correspondence, WDT indicated that they use "...Network Time Protocol [NTP] for clock synchronization between all servers as provided by default through AWS. NTP synchronizes all servers to within a few milliseconds of Coordinated Universal Time (UTC)."

## Richards Michael

---

**From:** JT Johnson <[REDACTED]@wdtinc.com>  
**Sent:** Wednesday, October 17, 2018 10:32 AM  
**To:** Richards Michael <[REDACTED]@ntsb.gov>  
**Subject:** Re: Duck Boat radar images

It is the lowest layer in the 3D mosaic grid. Typically it would be the lowest elevation angle from radars but there are cases where there could be blockage at the lowest angle and thus a higher elevation is considered (depending on distance from the radar)...the important part is that we create a 3D grid of the radar data and the low-altitude is the lowest altitude level with valid data (not terrain blocked), so it is terrain following.

Thanks,

JT

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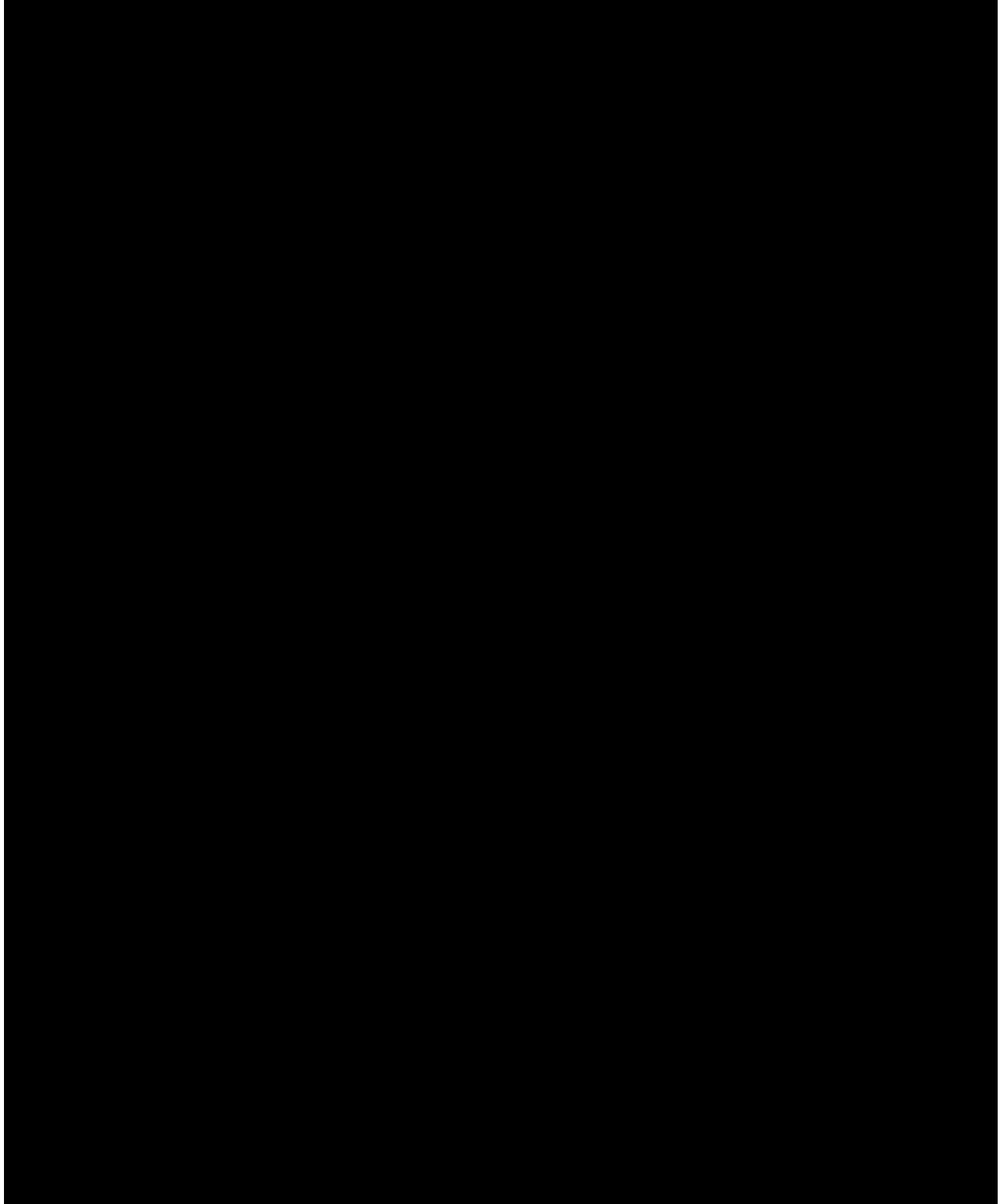
**From:** Richards Michael <[REDACTED]@ntsb.gov>  
**Sent:** Wednesday, October 17, 2018 9:52 AM  
**To:** JT Johnson  
**Subject:** RE: Duck Boat radar images

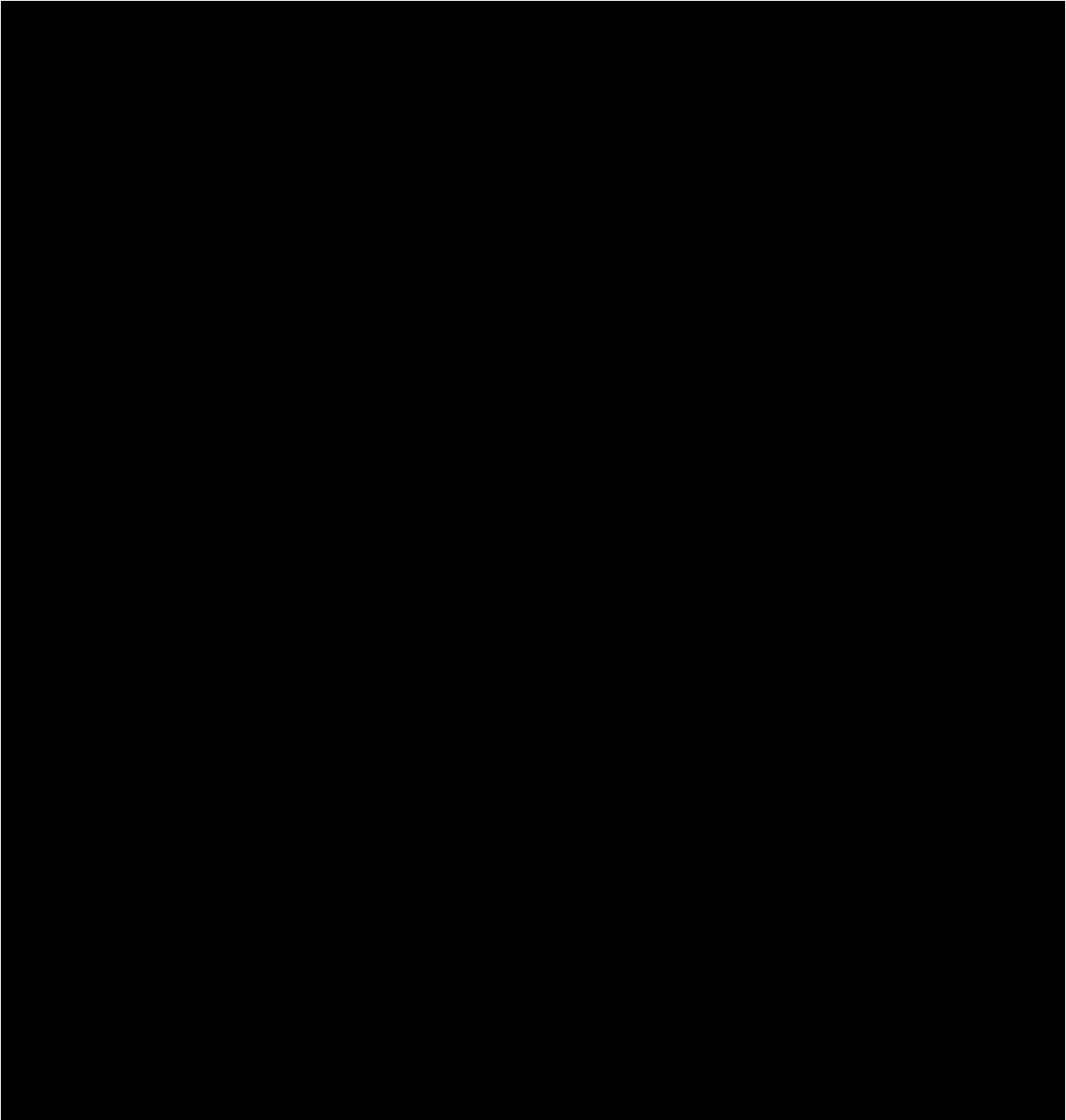
Received. Thank you.

Just to be clear, the low altitude mosaic is a mosaic of just the lowest tilts from each weather radar?

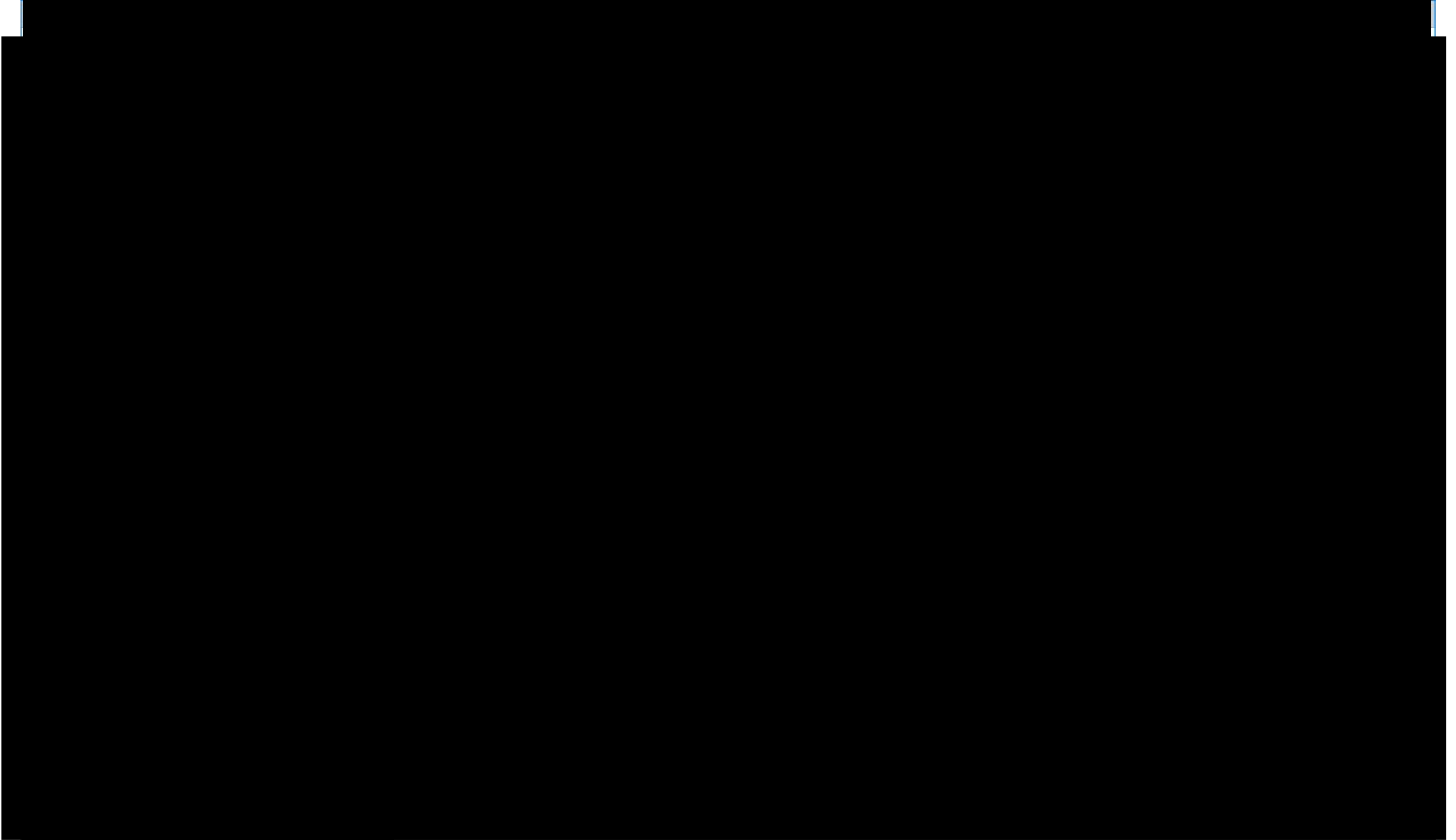
**Information provided to the NTSB from Earth Networks**

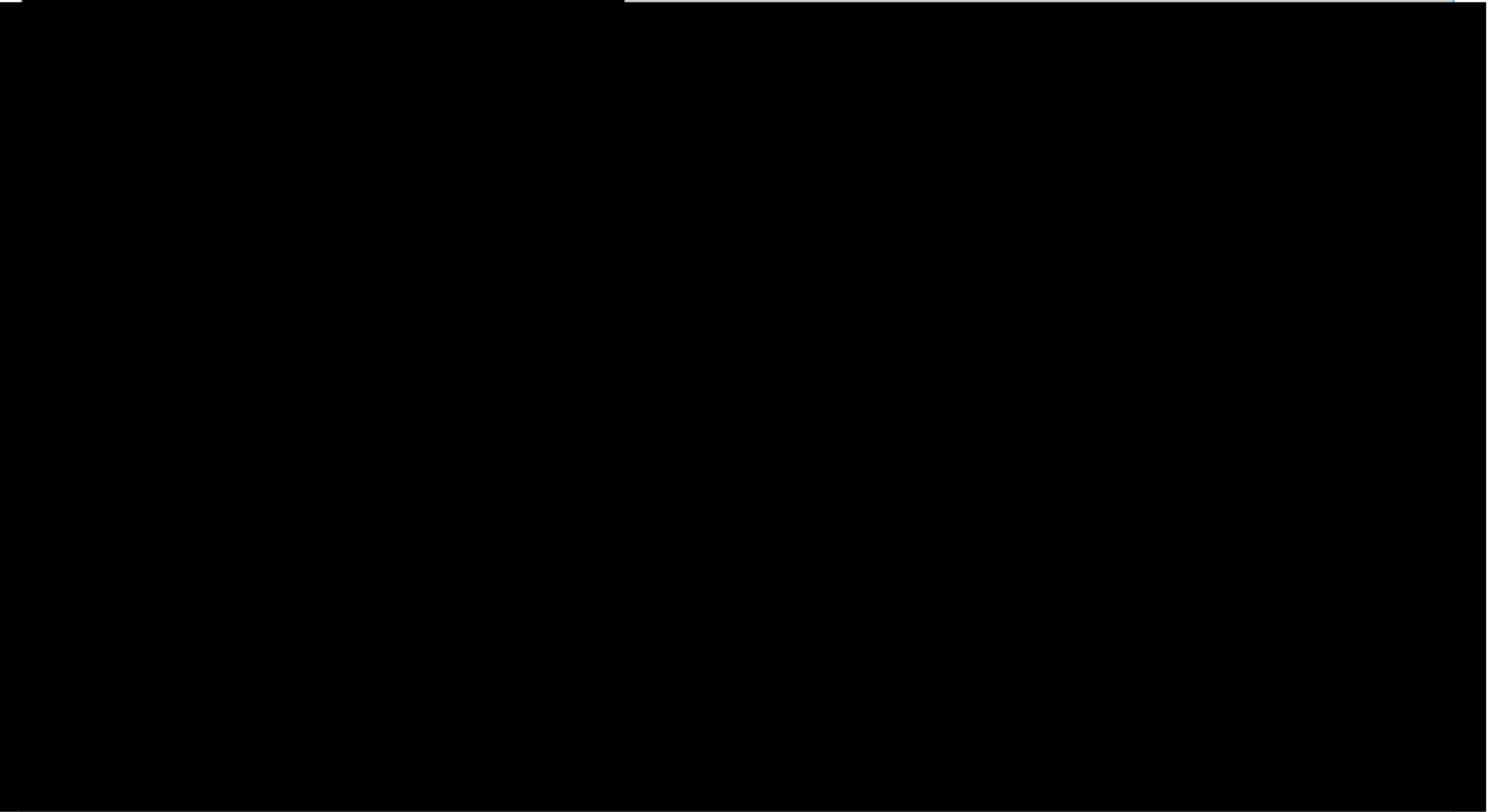
NTSB Inquiry – Ride the Ducks  
Incident: July 19, 2018  
Daniel W. O’Connell  
Earth Networks, Inc.





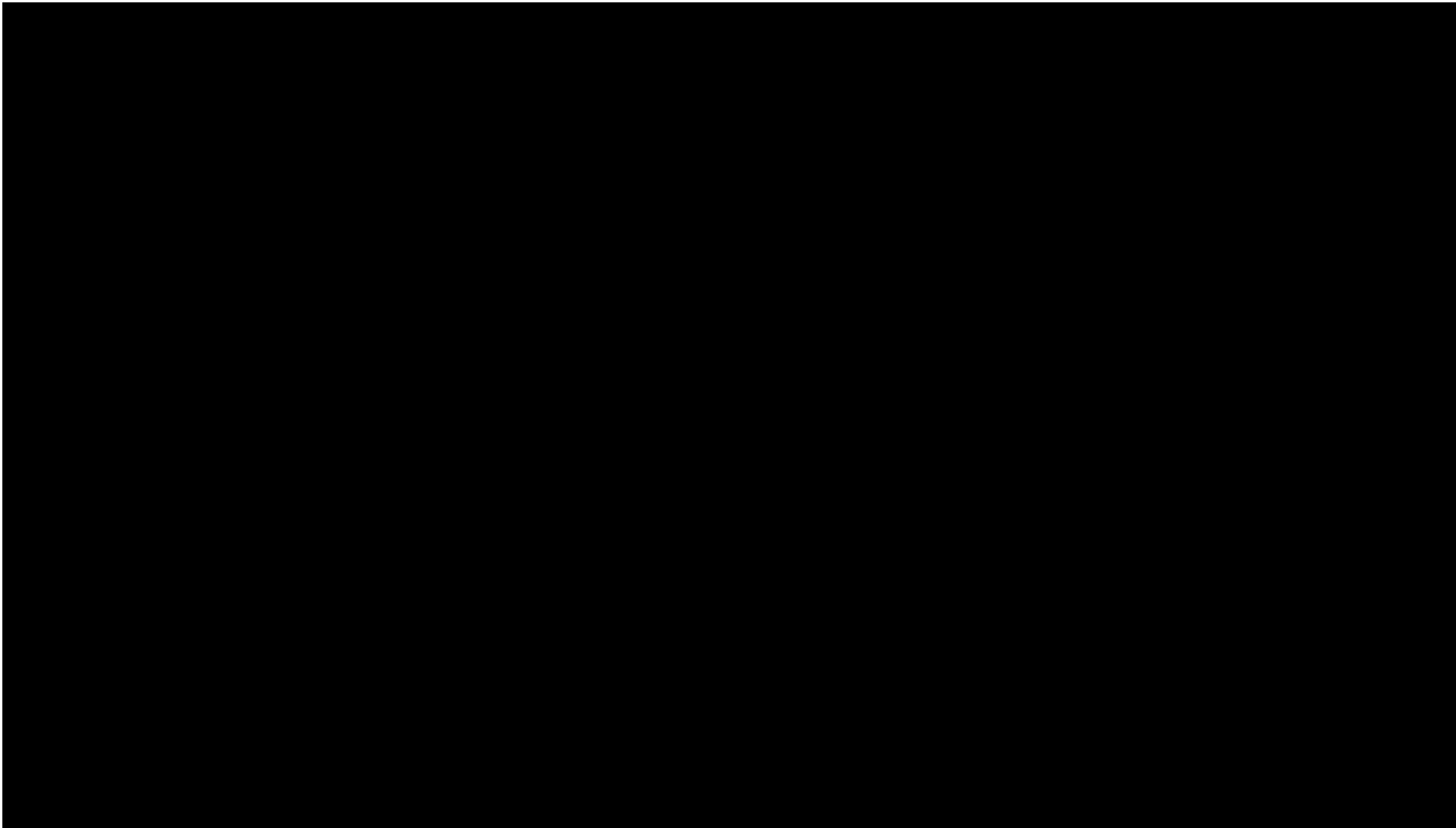






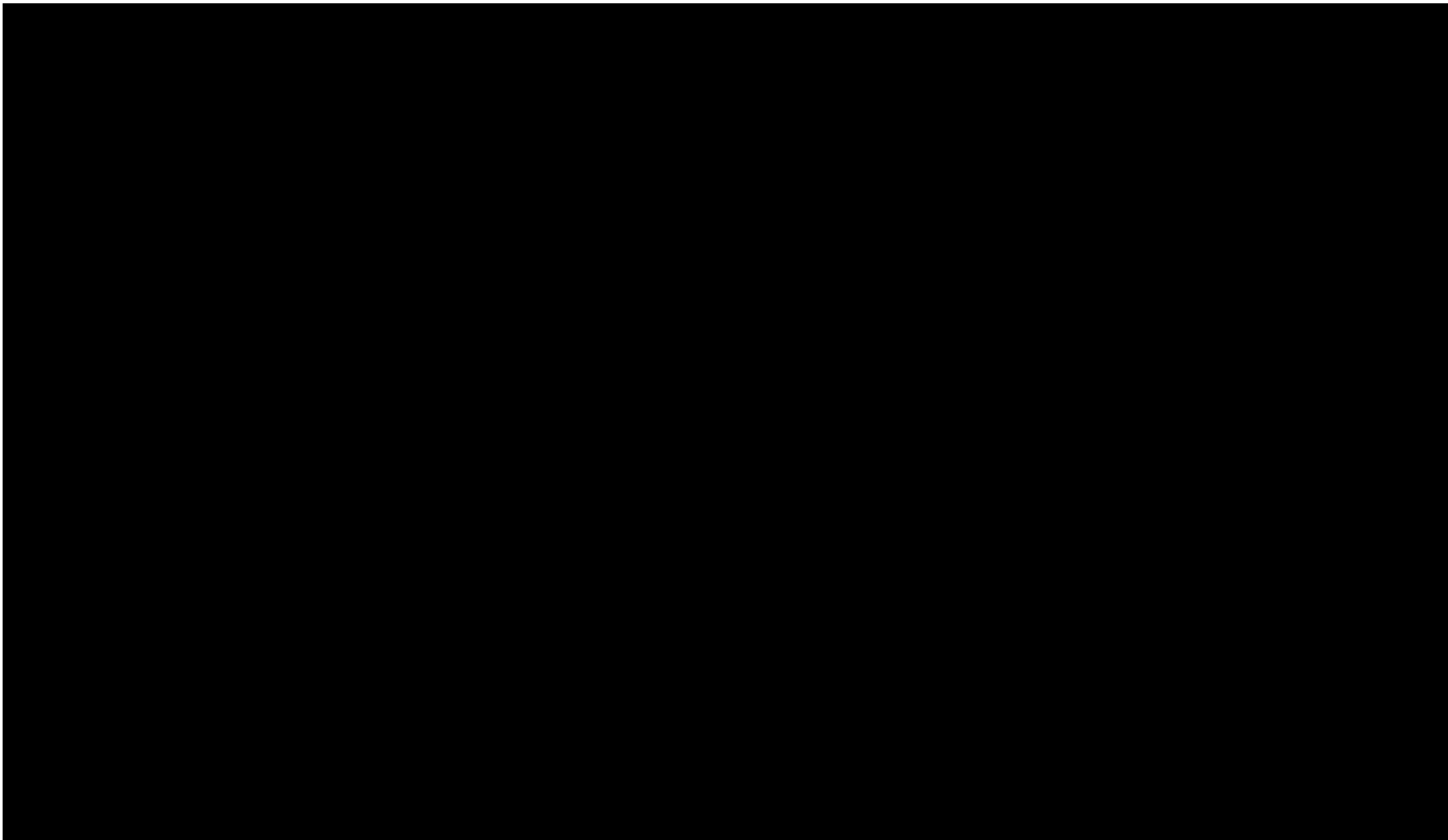








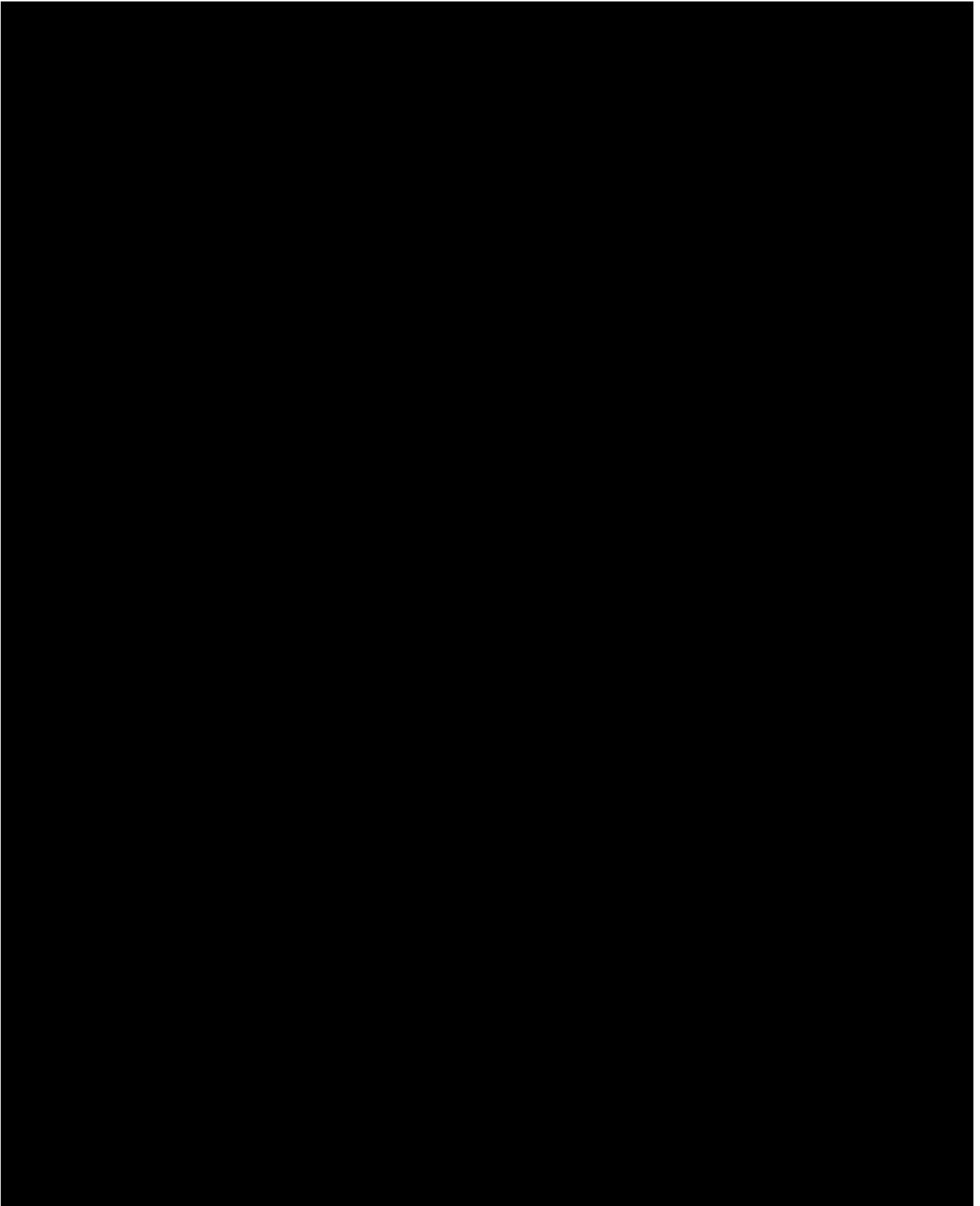


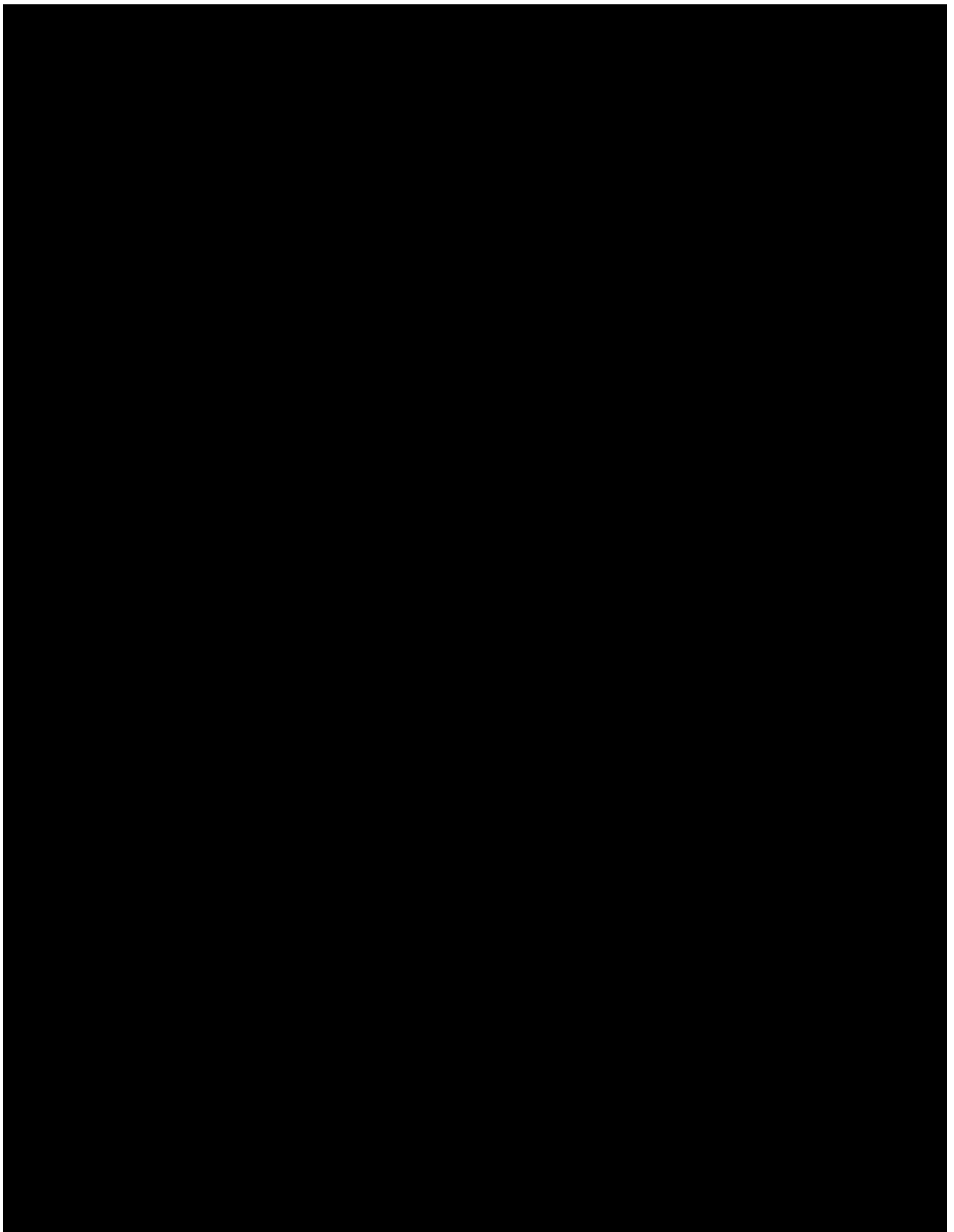


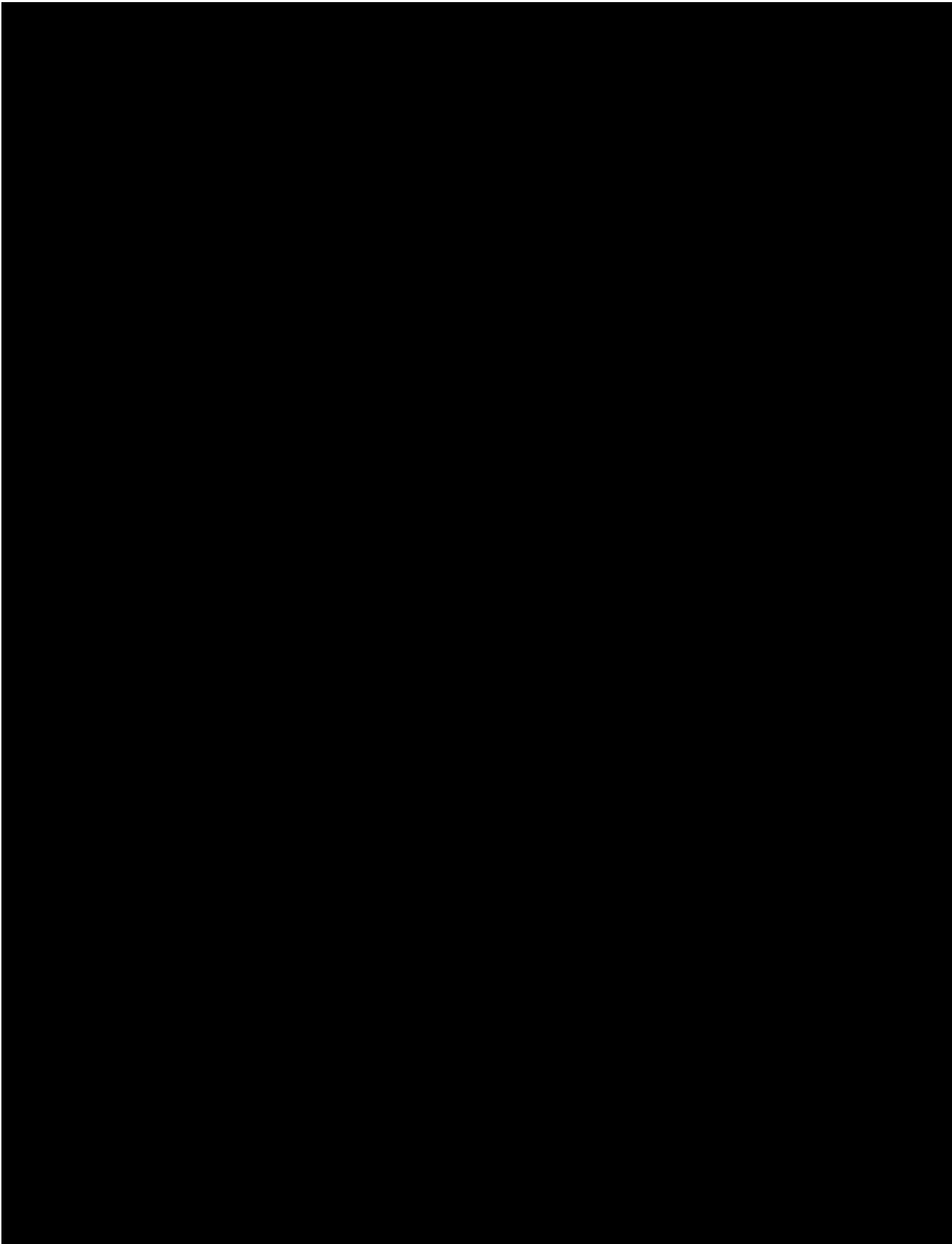


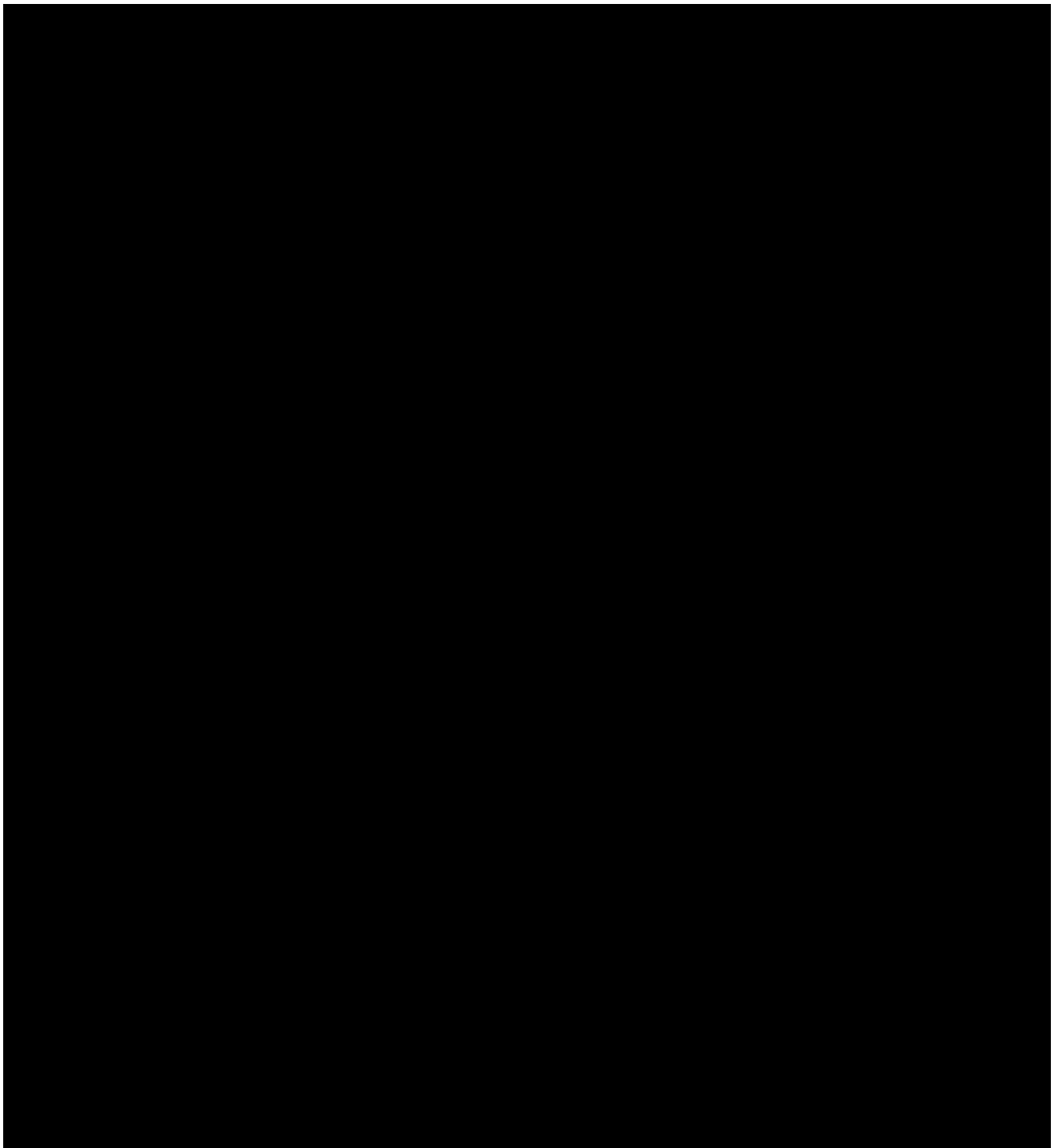






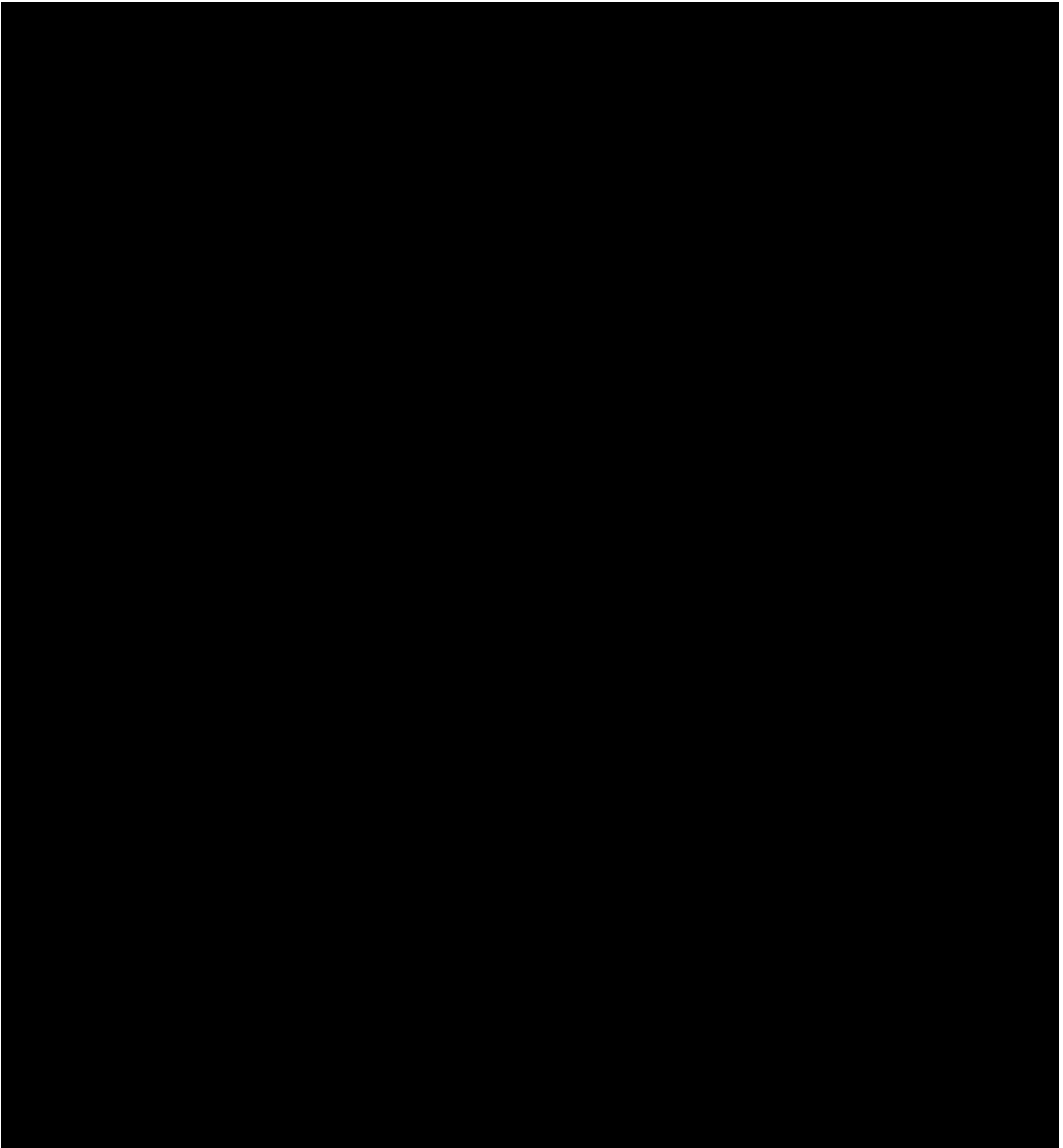


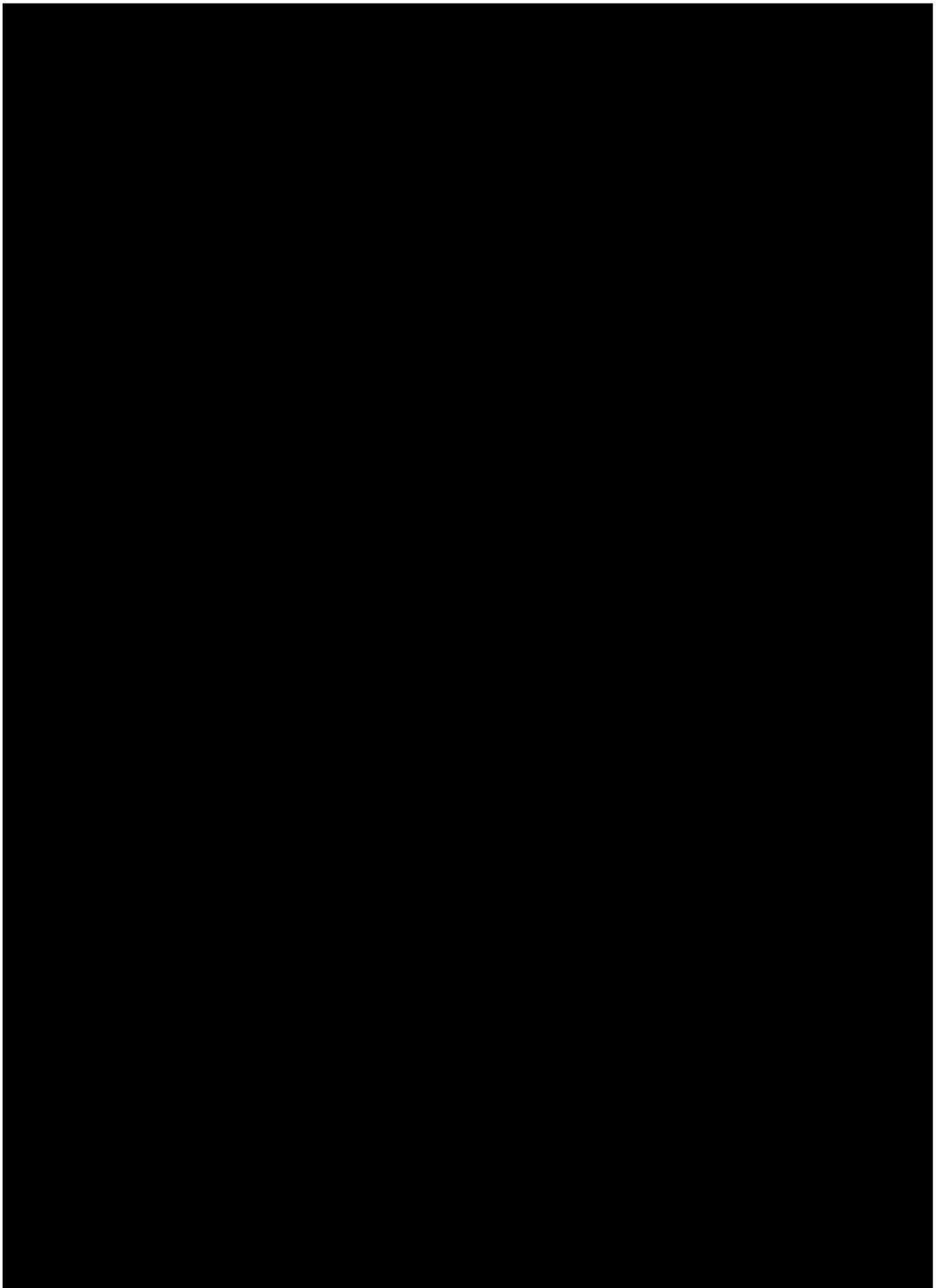




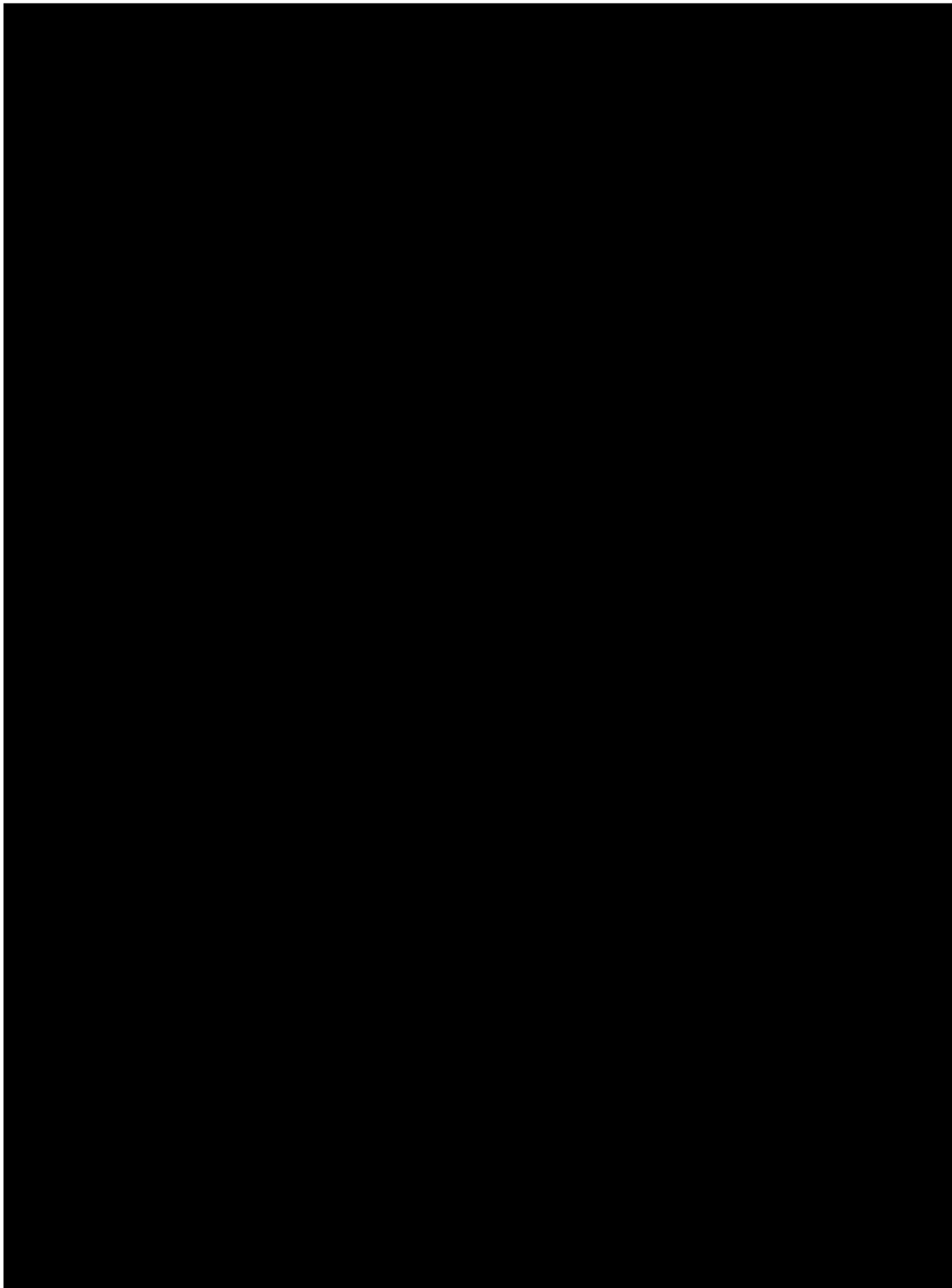
# NTSB Questions

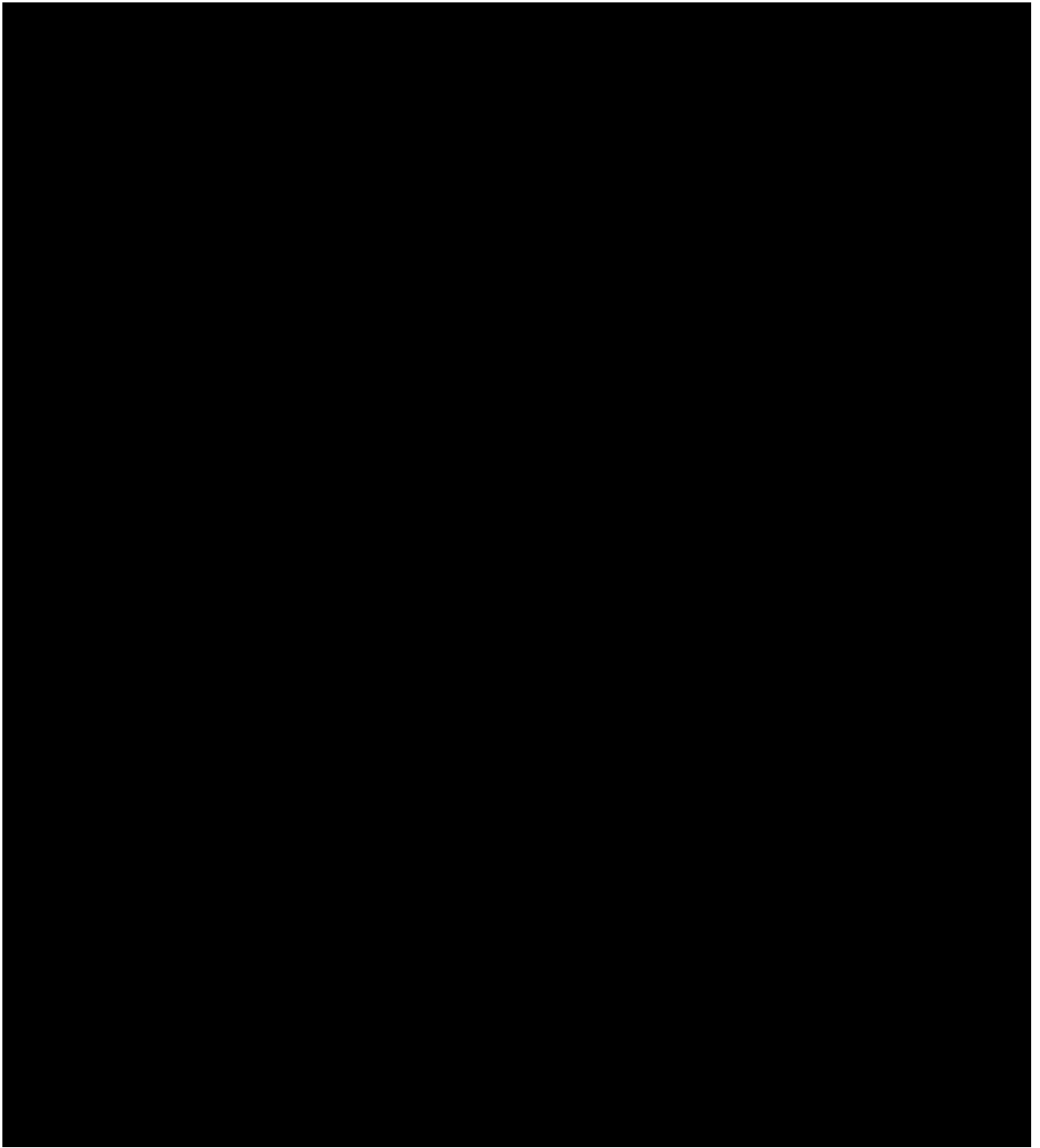
20-September-2018















## RECORD OF CONVERSATION

---

**Date:** August 9, 2018  
**Time:** about 1300-1350 eastern daylight time  
**Location:** Telephone  
**Person Contacted:** Mr. Dan O'Connell, Earth Networks  
Mr. Curtis Generous, Earth Networks  
Mr. Bill Laffey, Earth Networks  
Mr. Mark Hoekzema, Earth Networks  
**Persons Present:** Mr. Mike Richards, National Transportation Safety Board  
Mr. Kelsey Angle, National Weather Service  
**Subject:** Accident Investigation DCA18MM028

---

On August 9, 2018, at approximately 1300 eastern daylight time (EDT), Mr. Mike Richards of the National Transportation Safety Board and Mr. Kelsey Angle of the National Weather Service had a telephone conversation with Earth Networks. During the conversation Earth Networks reported the following:

The exact time that surface observations are acquired from Unisys by Earth Networks cannot be determined (receipt is not time-stamped). With regard to the 19 July 2018 FWB METAR time-stamped 2355Z, the METAR would have appeared in the Earth Networks alerting system sometime after 1906:44 CDT on 19 July 2018 but before 1910:51 on 19 July 2018. Prior to the METAR entering the Earth Networks alerting system, the METAR goes through an internal "QC" process. Once surface observation data are received by Unisys, a "scheduler" picks it up. A scheduler is launched every 5 minutes (or sooner) to process any new alert that was triggered by the customer's alert rules.

There are no Earth Networks surface stations within the 20-statute mile radius surrounding the State Park Marina point defined by Ride The Ducks Branson in their account. The only surface observation stations available within that radius are FWB and BBG. It is possible that a station may be generally available within StreamerRT, but at any given time might not be plotted if data from that station has been "flagged."

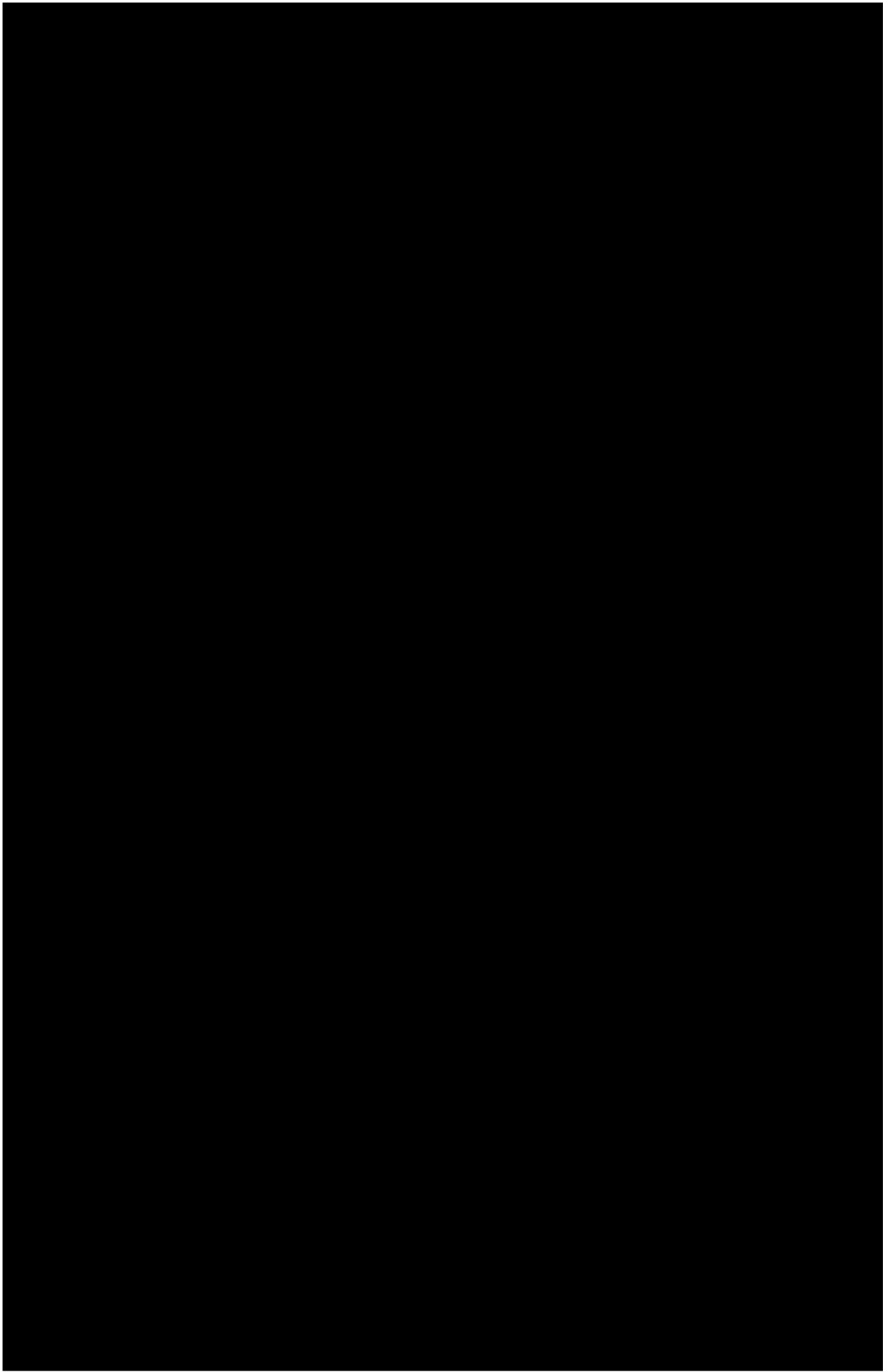
The email addresses Earth Networks sends alerts to are defined by the customer. Differences between email addresses associated with the Ride The Ducks Branson account that alerts were sent to on 19 July 2018, and email addresses documented in the "Branson - Ride the Ducks Entity

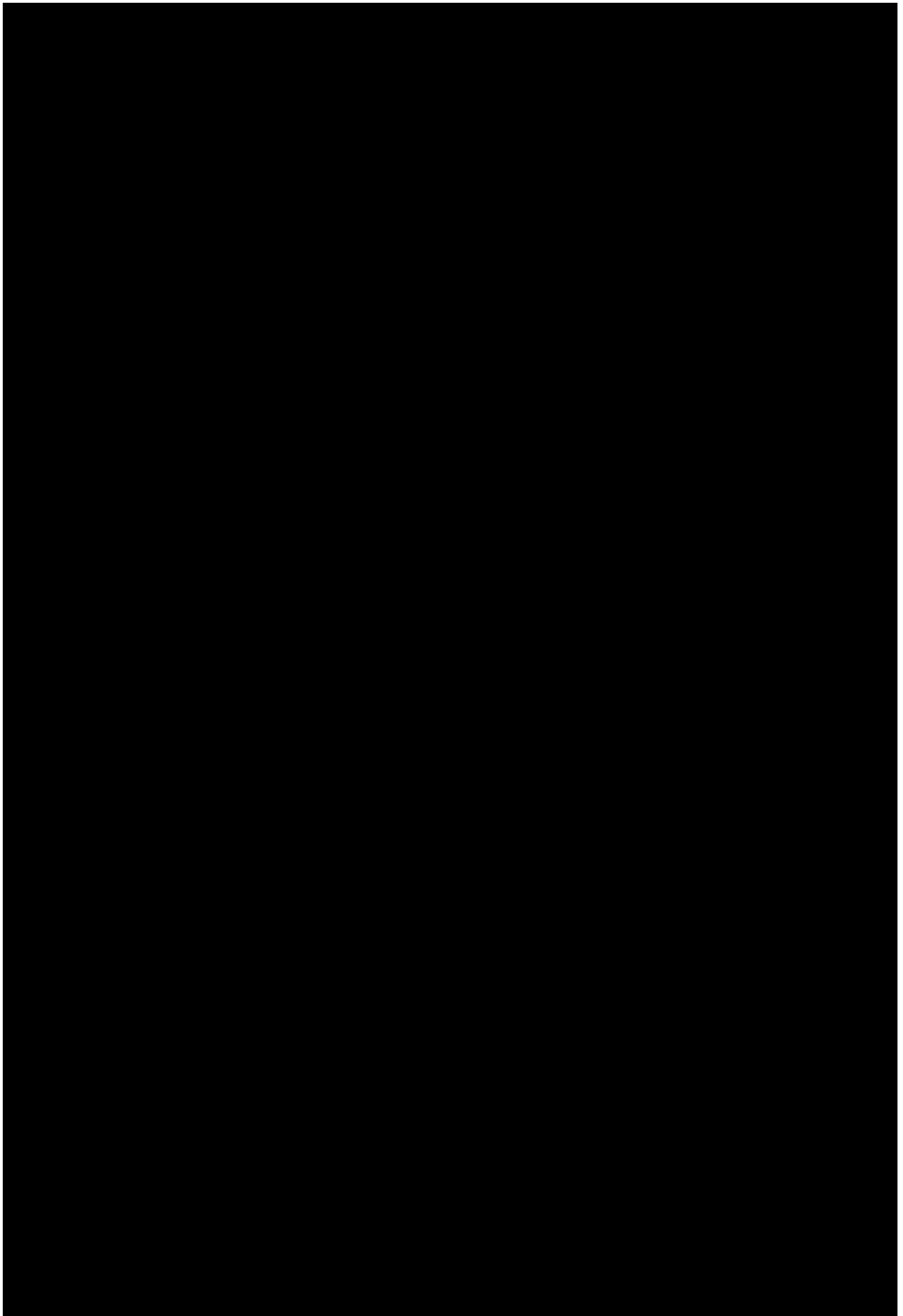
and Alert Setup” pdf [provided to the NTSB by Earth Networks], would be due to customer-initiated account changes, not by Earth Networks.

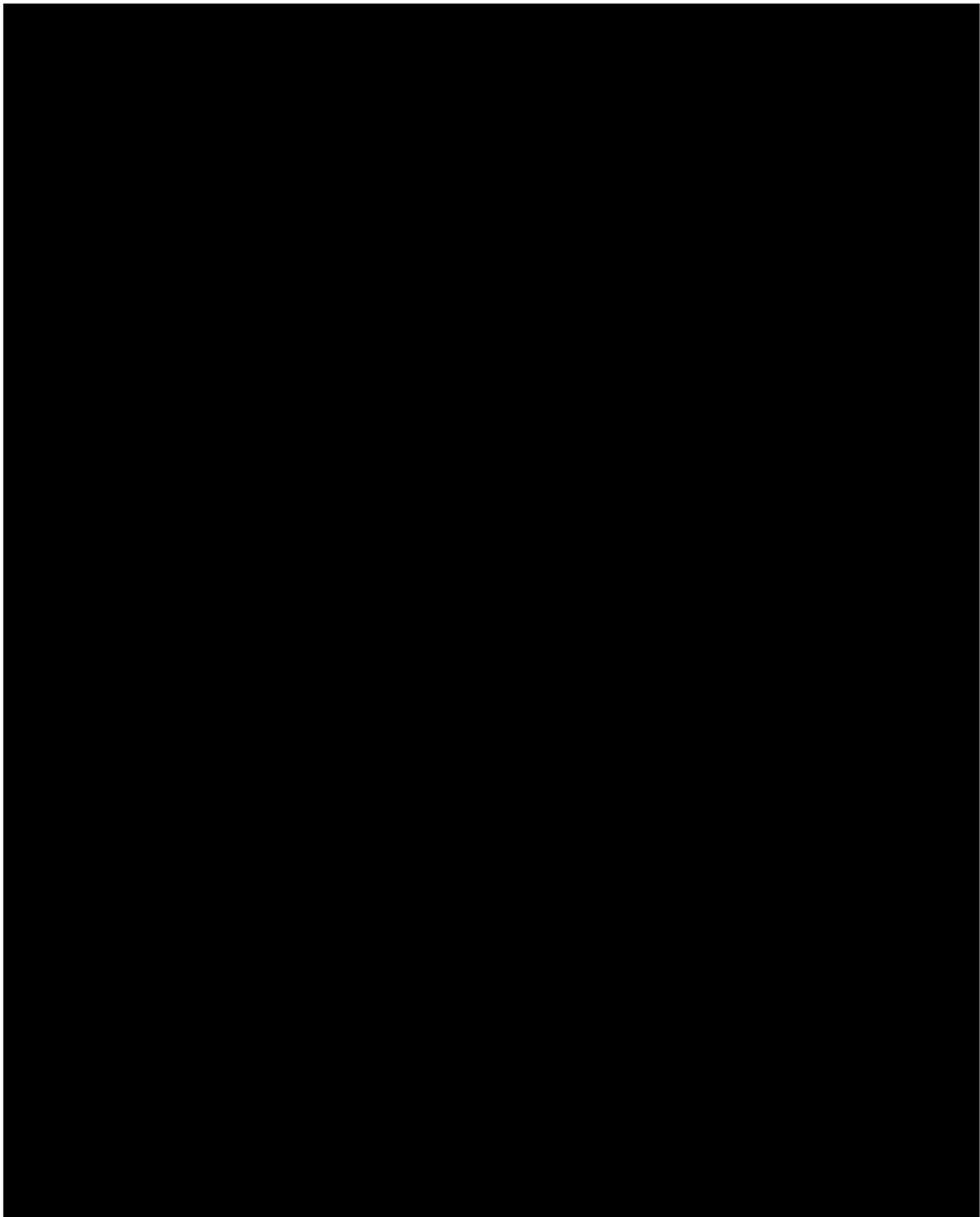
Conversation ended at approximately 1350 EDT.

Mike Richards  
Senior Meteorologist  
Operational Factors Division  
National Transportation Safety Board

Kelsey Angle  
Meteorologist In Charge  
Springfield, Missouri, Weather Forecast Office  
National Weather Service











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Notification Rule: DTA

Dangerous Thunderstorm Alert

An Earth Networks Dangerous Thunderstorm Alert is in effect until 7/19/2018 7:22 PM CDT

Event Start: 7/19/2018 6:37 PM CDT

Event End: 7/19/2018 7:22 PM CDT

Earth Networks Dangerous Thunderstorm Alert  
Earth Networks Headquarters Germantown, MD

\* Until 7:22 PM CDT

\* At 6:37 PM CDT...The Earth Networks Total Lightning Network is indicating a thunderstorm with a significant rate of lightning occurring in your area and moving in your direction. This storm has an increased potential to produce severe weather such as very frequent lightning, heavy rain, hail and/or damaging winds and should be considered dangerous. (For more information on this Earth Networks product visit [www.earthnetworks.com](http://www.earthnetworks.com))


\* Storm is located near Latitude: 36.839, Longitude: -93.953

\* Repeating, this storm contains frequent lightning and has an increased potential to produce severe weather and should be considered dangerous. Take appropriate measures to ensure safety to life and property immediately.

This alert is being issued in an advisory capacity by Earth Networks Headquarters due to the detection of frequent lightning by The Earth Networks Total Lightning Network. It is not associated in any way with the country's official meteorological services nor to any official alert linked to this storm. Active advisories or warnings issued by the official meteorological services should be followed in precedence to this alert.

Stay tuned to [www.earthnetworks.com](http://www.earthnetworks.com), other Earth Networks applications or local media outlets for the latest severe weather information.

Activated Time: 6:37PM on 7/19



From: Toby Turner [mailto: [REDACTED]@bransonducks.com]  
Sent: Wednesday, September 02, 2015 11:29 AM  
To: Sean Acton  
Subject: Ride The Ducks Weather Bug

Sean,

Robby has asked me to be your point of contact moving forward. I believe we have been satisfied overall with streamerRT. I would like to schedule some training with you so I better understand all the features. Also do you think there will be a mobile app for streamer in the future?

Thank you,

--

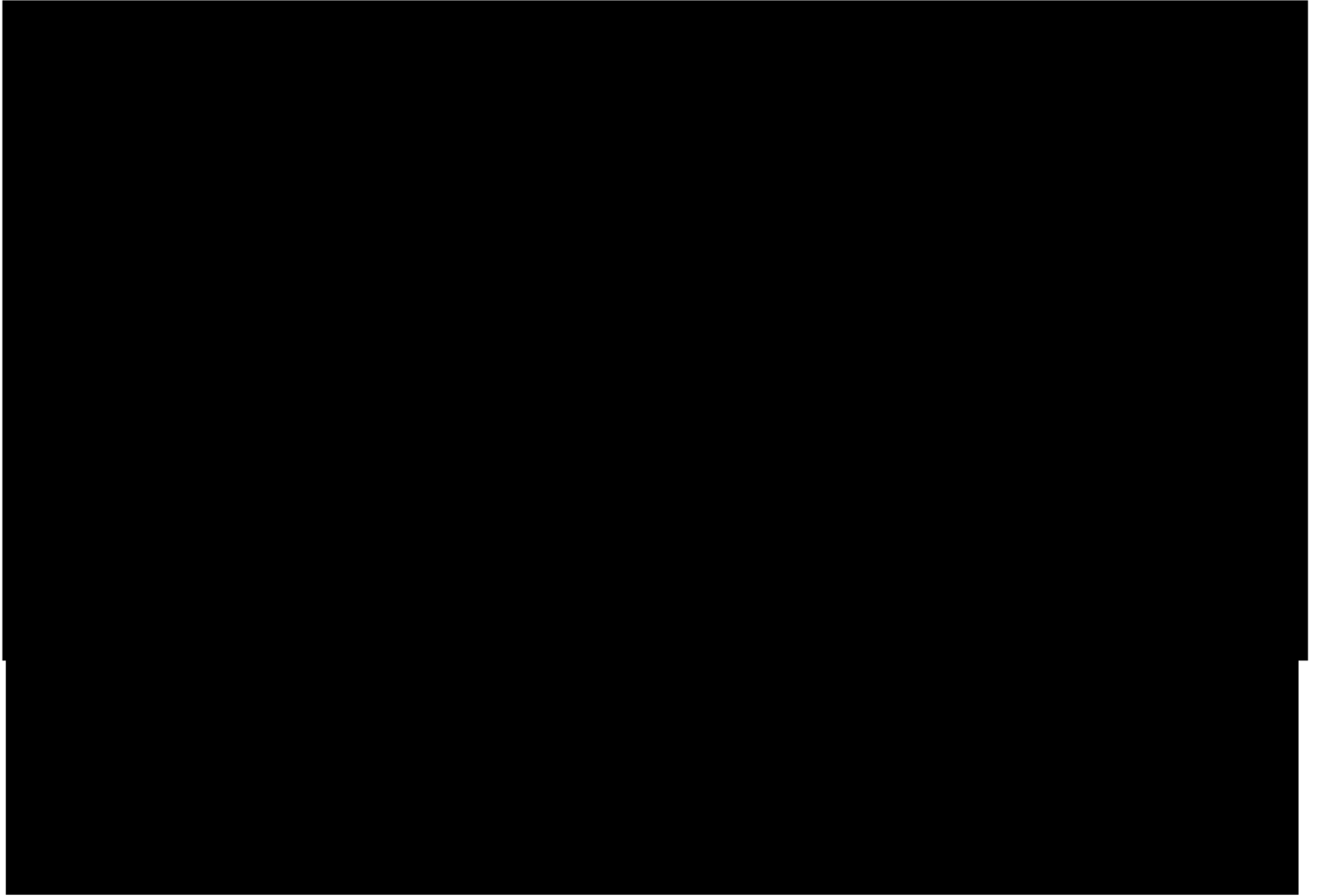
Toby Turner  
Assistant General Manager  
Ride The Ducks Branson



## Richards Michael

---

From: Dan O'Connell [REDACTED]@earthnetworks.com>  
Sent: Monday, November 19, 2018 1:20 PM  
To: Richards Michael <[REDACTED]@ntsb.gov>  
Subject: Re: follow up information 2



Daniel W. O'Connell | General Counsel & Chief Privacy Officer | O [REDACTED]  
[www.earthnetworks.com](http://www.earthnetworks.com)