


# JORDAN POND DAM : D3532

## Dams Preliminary Inspection Form

Inspector: Kaitlin Mahoney

Start Date: 09/28/2018      Completed Date: 10/24/2018



Inspection Information		
1. Date of Inspection	09/28/2018	
2. Inspectors Present	Kaitlin Mahoney, Thadeous Bach	
3. Other Persons Attending Inspection		
<b>Name</b>	<b>Phone</b>	<b>Owner/Engineer/Other</b>
Steve Jordan	8438577313	Owner's Son
Carroll Jordan		
Dam was designed by Army Corps of Engineers. Owner will be installing new spillway system with 5 ft pipe		
4. Is this a follow-up inspection?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Observation/Instrumentation		
1. Estimate the current level of the water in the reservoir:	Breached	
	Photo Taken: 9/28/2018 10:29:51 AM GPS Latitude: 34.4228777777778 GPS Longitude: -79.9949416666667 GPS Altitude: 50.3711790393013 meters GPS Azimuth: 43.7041198501873 degrees	
2. Describe the current weather & conditions:	Sunny	
3. Recent rainfall quantity:	2" or greater	
4a. Are Piezometers or Observation Wells present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
4b. (If Present:) Condition of Piezometers/Observation Wells		
5a. Is a Staff Gauge or Recorder present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5b. (If Present:) Condition of Staff Gauge or Recorder		
6a. Are Measurement Weirs Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6b. (If Present:) Condition of Weirs:		
7a. Number of Spillways Present	2	


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<b>Observation/Instrumentation</b>	
<i>7b. Type of Spillways Present</i>	Stop-Log/Boards, Earthen Overflow/Runaround
Primary spillway is flowing	
<i>8. Other:</i>	
<i>9. Additional Comments (Refer to item number if applicable)</i> Aux spillway breached	
<b>Embankment: Crest</b>	
<i>Is this section applicable for this dam?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<i>1. Grass Cover</i>	Monitor
Plant grass as needed. Dirt road over top of dam	
	Photo Taken: 9/28/2018 10:21:31 AM GPS Latitude: 34.4229194444444 GPS Longitude: -79.9949583333333 GPS Altitude: 49.1296023564065 meters GPS Azimuth: 269.134502923977 degrees
<i>2. Deleterious Vegetation</i>	Monitor
Keep vegetation mowed to make it easier to identify problems such as animal activity and erosion.	
<i>3. Trees</i>	Action Required
Remove trees around aux spillway - tree management plan by SC license professional engineer required & permit application	
<i>4. Animal Activity</i>	Monitor
Looks like a possible beaver slide - monitor and get rid of beavers as necessary	
<i>5. Surface Cracking</i>	No Deficiency
<i>6. Horizontal Alignment</i>	No Deficiency
<i>7. Settlement</i>	No Deficiency


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<b>Embankment: Crest</b>	
<i>8. Sinkhole</i>	No Deficiency
<i>9. Erosion</i>	Monitor
<div style="border: 1px solid black; padding: 5px;"> <p>Breach in aux spillway. Keep an eye out for minor erosion (less than 12" deep) and fill as necessary</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;">  </div> <div style="width: 50%;"> <p>Photo Taken: 9/28/2018 10:20:53 AM                      GPS Latitude: 34.4229305555556                      GPS Longitude: -79.9948972222222                      GPS Altitude: 45.6819727891156 meters                      GPS Azimuth: 204.73673870334 degrees</p> </div> </div> </div>	
<i>10a. Are Alterations/Repairs Present?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>10b. (If Present:) Alterations/Repairs Condition</i>	
<i>11. Other:</i>	
<i>12. Embankment: Crest Condition</i>	Needs Permitted Repair(s)
<div style="border: 1px solid black; padding: 5px;"> <p><b>Violation Determined: 9/28/2018</b>  <b>DAMMAINTREP</b>                      Trees need to be removed</p> </div>	
<i>13. Additional Comments (Refer to item number if applicable)</i>	
525 ft long	
<b>Concrete/Masonry Dams: Crest</b>	
<i>Is this section applicable for this dam?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>1. Surface Conditions</i>	
<i>2. Horizontal Alignment</i>	
<i>3. Vertical Alignment</i>	
<i>4. Condition of Joints</i>	
<i>5. Unusual Movement</i>	


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<b>Concrete/Masonry Dams: Crest</b>	
6a. Are Alterations/Repairs Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No
6b. (If Present:) Alterations/Repairs Condition	
7. Other:	
8. Concrete/Masonry Dam Crest Condition	
9. Additional Comments (Refer to item number if applicable)	
<b>Embankment: Upstream Slope</b>	
Is this section applicable for this dam?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1. Grass Cover	Monitor
One area eroded a bit above spillway - owner will be putting in new spillway and will fix area	
2. Deleterious Vegetation	Monitor
Keep mowed	
	
Photo Taken: 9/28/2018 10:20:19 AM GPS Latitude: 34.4230416666667 GPS Longitude: -79.99485 GPS Altitude: 44.5800464037123 meters GPS Azimuth: 241.071317829457 degrees	
3. Trees	No Deficiency
4. Animal Activity	Investigate
Erosion possibly caused by beaver activity. Get rid of beavers as necessary	
5. Surface Cracking	No Deficiency
6. Subsidence, Sinkhole	No Deficiency
7. Slide, Slough, Scarp	No Deficiency
8. Groins	No Deficiency

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## Embankment: Upstream Slope

### 9. Erosion

### Action Required

Fix erosion above inlet pipe. Also some erosion around intake



Photo Taken: 9/28/2018 10:20:07 AM  
GPS Latitude: 34.4231138888889  
GPS Longitude: -79.9948194444444  
GPS Altitude: 44.3871117292536 meters  
GPS Azimuth: 337.311643835616 degrees



Photo Taken: 9/28/2018 10:21:07 AM  
GPS Latitude: 34.4229277777778  
GPS Longitude: -79.9948805555556  
GPS Altitude: 44.4126213592233 meters  
GPS Azimuth: 167.607902735562 degrees

10a. Slope Protection/Armoring Present?

Yes  No

10b. (If Present:) Slope Protection/Armoring

11a. Alterations/Repairs Present?

Yes  No

11b. (If Present:) Alterations/Repairs Condition

12. Other:

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<b>Embankment: Upstream Slope</b>	
13. <i>Embankment: Upstream Slope Condition</i>	Needs Maintenance
<div style="border: 1px solid black; padding: 5px;"> <p><b>Violation Determined: 9/28/2018</b>  <b>DAMMAINTREP</b>                      Some erosion above outlet pipe needs to be addressed. Owner said they will be replacing the spillway so this will be fixed</p> </div>	
14. <i>Additional Comments (Refer to item number if applicable)</i>	
<b>Concrete/Masonry Dams: Upstream Face</b>	
<i>Is this section applicable for this dam?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1. <i>Surface Conditions</i>	
2. <i>Condition of Joints</i>	
3. <i>Unusual Movement</i>	
4. <i>Abutments</i>	
5a. <i>Alterations/Repairs Present?</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
5b. <i>(If Present:) Alterations/Repairs Condition</i>	
6. <i>Other:</i>	
7. <i>Concrete/Masonry Dams: Upstream Face Condition</i>	
8. <i>Additional Comments (Refer to item number if applicable)</i>	
<b>Embankment: Downstream Slope</b>	
<i>Is this section applicable for this dam?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1. <i>Grass Cover</i>	No Deficiency


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<b>Embankment: Downstream Slope</b>	
<i>2. Deleterious Vegetation</i>	Action Required
<div style="border: 1px solid black; padding: 5px;"> <p>Heavy vegetation on downstream slope. Owner says they spray every 2 years to keep it down</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;">  </div> <div style="width: 50%; font-size: small;"> <p>Photo Taken: 9/28/2018 10:25:03 AM                      GPS Latitude: 34.4228222222222                      GPS Longitude: -79.9947583333333                      GPS Altitude: 49.6213017751479 meters                      GPS Azimuth: 253.909952606635 degrees</p> </div> </div> </div>	
<i>3. Trees</i>	Action Required
<div style="border: 1px solid black; padding: 5px;"> <p>Some trees in downstream area</p> </div>	
<i>4. Animal Activity</i>	No Deficiency
<i>5. Surface Cracking</i>	No Deficiency
<i>6. Subsidence, Sinkhole</i>	No Deficiency
<i>7. Slide, Slough, Scarp</i>	No Deficiency
<i>8. Groins</i>	No Deficiency
<i>9. Erosion</i>	Monitor
<div style="border: 1px solid black; padding: 5px;"> <p>Minor erosion on downstream slope from beaver activity can be filled with soil - no permit required. Will be fixed when new spillway is installed</p> </div>	
<i>10a. Slope Protection/Armoring Present?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>10b. (If Present:) Slope Protection Condition</i>	
<i>11. Wet Areas</i>	No Deficiency
<i>12a. Seepage</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>12b. (If Present): Seepage Flow</i>	
<i>13a. Drainage System Present?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>13b. (If Present:) Drainage System Condition</i>	

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<b>Embankment: Downstream Slope</b>	
14a. Alterations/Repairs Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
14b. (If Present:) Alterations/Repairs Condition	
15. Other:	
16. Embankment: Downstream Slope Condition	Needs Maintenance
<b>Violation Determined: 9/28/2018</b> <b>DAMMAINTREP</b> Vegetation should be cleared before inspection to be able to observe animal activity, erosion, seepage, etc.	
17. Additional Comments (Refer to item number if applicable)	
<b>Concrete/Masonry Dams: Downstream Face</b>	
Is this section applicable for this dam?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1. Surface Conditions	
2. Condition of Joints	
3. Unusual Movement	
4. Drains	
5. Leakage	
6. Abutments	
7a. Alterations/Repairs Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No
7b. (If Present:) Alterations/Repairs Condition	
8. Other:	
9. Concrete/Masonry Dam: Downstream Face Condition	
10. Additional Comments (Refer to item number if applicable)	
<b>Downstream Area</b>	
Is this section applicable for this dam?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Is Downstream Area clear?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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### Downstream Area

1. Trees	Action Required
<p>Trees in downstream area &gt; 4" diameter. Should be investigated by professional engineer to determine if they need to be removed.</p>	
	<p>Photo Taken: 9/28/2018 10:24:44 AM                      GPS Latitude: 34.4227111111111                      GPS Longitude: -79.9948111111111                      GPS Altitude: 68.3587921847247 meters                      GPS Azimuth: 46.4429530201342 degrees</p>
	<p>Photo Taken: 9/28/2018 10:24:47 AM                      GPS Latitude: 34.4228361111111                      GPS Longitude: -79.9947805555556                      GPS Altitude: 50.0556309362279 meters                      GPS Azimuth: 93.6007067137809 degrees</p>
<p>2. Deleterious Vegetation</p>	<p>Monitor</p>
<p>Keep vegetation mowed</p>	
<p>3. Wet Areas</p>	<p>No Deficiency</p>
<p>4a. Seepage</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>
<p>4b. (If Present): Seepage Flow</p>	
<p>5a. Boils</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>
<p>5b. (If Present): Boil Flow</p>	
<p>6a. Alterations/Repairs Present</p>	<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA</p>

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**Downstream Area**

6b. (If Present:) Alterations/Repairs Condition

7. Other:

8. Downstream Area Condition Needs Permitted Repair(s)

**Violation Determined: 9/28/2018**  
**DAMMAINTREP**  
 Trees in downstream area need to be investigated by PE

9. Additional Comments (Refer to item number if applicable)

Sediment has been washed from the auxiliary spillway into the downstream area due to breach. No grass above outlet pipe - monitor for erosion



Photo Taken: 9/28/2018 10:22:08 AM  
 GPS Latitude: 34.422875  
 GPS Longitude: -79.9947972222222  
 GPS Altitude: 46.3192389006342 meters  
 GPS Azimuth: 145.673758865248 degrees



Photo Taken: 9/28/2018 10:27:07 AM  
 GPS Latitude: 34.4227555555556  
 GPS Longitude: -79.9948361111111  
 GPS Altitude: 49.7587548638132 meters  
 GPS Azimuth: 197.716049382716 degrees

**Spillways: Erodible Channel**

Is this section applicable for this dam?  Yes  No


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<b>Spillways: Erodible Channel</b>	
<i>1. Location</i>	
<i>2. Grass Cover</i>	No Deficiency
<i>3. Deleterious Vegetation</i>	No Deficiency
<i>4. Trees</i>	Action Required
<p>Large trees present around aux spillway need to be investigated by PE</p> <div style="display: flex; align-items: flex-start;">  <div style="margin-left: 20px;"> <p>Photo Taken: 9/28/2018 10:40:55 AM                      GPS Latitude: 34.4235638888889                      GPS Longitude: -79.9939333333333                      GPS Altitude: 50.3493917274939 meters                      GPS Azimuth: 258.107382550336 degrees</p> </div> </div>	
<i>5. Animal Activity</i>	No Deficiency
<i>6. Subsidence, Sinkhole</i>	No Deficiency
<i>7. Slide, Slough, Scarp</i>	No Deficiency
<i>8. Erosion</i>	Action Required
<p>Breach in aux spillway. Trench through dam has eroded out - possibly the cause of the breach. Owner explained that the power company trenched through the dam without his permission and did not have the equipment to properly compact the soil. Any trenching through the dam would require a permit from DHEC, but no permit application was submitted for the work.</p>	

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## Spillways: Erodible Channel



Photo Taken: 9/28/2018 10:40:53 AM  
GPS Latitude: 34.4235638888889  
GPS Longitude: -79.9939333333333  
GPS Altitude: 50.6053130929791 meters  
GPS Azimuth: 180.300248138958 degrees



Photo Taken: 9/28/2018 10:41:36 AM  
GPS Latitude: 34.4234694444444  
GPS Longitude: -79.9939111111111  
GPS Altitude: 50.7813411078717 meters  
GPS Azimuth: 258.621676891616 degrees



Photo Taken: 9/28/2018 10:43:59 AM  
GPS Latitude: 34.4230277777778  
GPS Longitude: -79.9940416666667  
GPS Altitude: 51.6059850374065 meters  
GPS Azimuth: 246.963470319635 degrees

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## Spillways: Erodible Channel



Photo Taken: 9/28/2018 10:44:50 AM  
GPS Latitude: 34.42295  
GPS Longitude: -79.99408611111111  
GPS Altitude: 52.19375 meters  
GPS Azimuth: 313.77777777778 degrees



Photo Taken: 9/28/2018 10:45:20 AM  
GPS Latitude: 34.42296666666667  
GPS Longitude: -79.99411111111111  
GPS Altitude: 52.765407554672 meters  
GPS Azimuth: 232.416149068323 degrees



Photo Taken: 9/28/2018 10:52:27 AM  
GPS Latitude: 34.42323055555556  
GPS Longitude: -79.99443888888889  
GPS Altitude: 49.8376123234917 meters  
GPS Azimuth: 207.384428223844 degrees

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## Spillways: Erodible Channel



Photo Taken: 9/28/2018 10:52:30 AM  
GPS Latitude: 34.4232305555556  
GPS Longitude: -79.9944444444444  
GPS Altitude: 49.9574861367837 meters  
GPS Azimuth: 230.225806451613 degrees



Photo Taken: 9/28/2018 10:52:41 AM  
GPS Latitude: 34.4232333333333  
GPS Longitude: -79.9944388888889  
GPS Altitude: 49.8277858176556 meters  
GPS Azimuth: 161.469298245614 degrees



Photo Taken: 9/28/2018 10:57:38 AM  
GPS Latitude: 34.4233388888889  
GPS Longitude: -79.9943861111111  
GPS Altitude: 49.9263565891473 meters  
GPS Azimuth: 94.6408450704225 degrees

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<b>Spillways: Erodible Channel</b>	
<i>9. Debris</i>	Action Required
Fallen trees in spillway breach	
<i>10. Flowing?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
<i>11a. Alterations/Repairs Present</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
<i>11b. (If Present:) Alterations/Repairs Condition</i>	
<i>12. Other:</i>	
<i>13. Spillway: Erodible Channel Condition</i>	Needs Permitted Repair(s)
<b>Violation Determined: 9/28/2018 DAMMAINTREP</b>	
<p><i>14. Additional Comments (Refer to item number if applicable)</i></p> <p>Pee Dee Electric Co-Op trenched through emergency spillway to get power to neighboring house. It appears that the auxiliary spillway has rerouted itself to follow the power line instead of going further out and away from the dam. Breach appears to be caused by trench that was dug for power line, however further investigation by licensed professional engineer may be required to make such determination. The trench is next to the breach, however it seems to have weakened the structure and caused water to flow toward the toe of the dam instead of to the left away from the dam.</p> <p>A permit and professional engineer will be required for repairs to the spillway</p>	

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## Spillways: Erodible Channel



Photo Taken: 9/28/2018 10:40:39 AM  
GPS Latitude: 34.4235888888889  
GPS Longitude: -79.99395  
GPS Altitude: 50.8353510895884 meters  
GPS Azimuth: 319.914209115281 degrees



Photo Taken: 9/28/2018 10:50:49 AM  
GPS Latitude: 34.4236527777778  
GPS Longitude: -79.9940722222222  
GPS Altitude: 51.9029850746269 meters  
GPS Azimuth: 34.2151675485009 degrees



Photo Taken: 9/28/2018 10:50:56 AM  
GPS Latitude: 34.4236416666667  
GPS Longitude: -79.9940027777778  
GPS Altitude: 52.1128798842258 meters  
GPS Azimuth: 206.151162790698 degrees



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<b>Spillways: Non-Erodible Channel</b>	
<i>Is this section applicable for this dam?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
1. Location	
2. Approach Area	
3. Weir/Control	
4. Sidewalls	
5. Channel Floor	
6. Condition of Joints	
7. Surface Condition	
8. Unusual Movement	
9. Discharge Channel	
10. Debris	
11. Flowing?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
12a. Boils	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
12b. (If Present): Boils	
13a. Alterations/Repairs Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
13b. (If Present:) Alterations/Repairs Condition	
14. Other:	
15. Spillway: Non-Erodible Channel Condition	
16. Additional Comments (Refer to item number if applicable)	
<b>Spillways: Inlet Structure</b>	
<i>Is this section applicable for this dam?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1. Location	


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<b>Spillways: Inlet Structure</b>	
<i>2a. Intake Structure</i>	No Deficiency
<div style="border: 1px solid black; padding: 5px;"> <p>Spillway is flowing</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;">  </div> <div style="width: 50%;"> <p>Photo Taken: 9/28/2018 10:20:03 AM                      GPS Latitude: 34.4231138888889                      GPS Longitude: -79.9948194444444                      GPS Altitude: 45.9072512647555 meters                      GPS Azimuth: 359.452991452991 degrees</p> </div> </div> </div>	
<i>2b. Intake Structure Types</i>	Stop-Log Overflow
<i>3. Trashrack</i>	No Deficiency
<i>4a. Low-Level Valve Present?</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
<i>4b. (If Present:.) Low-Level Valve Condition</i>	
<i>5. Debris</i>	No Deficiency
<i>6a. Repairs/Alterations Present</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
<i>6b. (If Present:.) Alterations/Repairs Condition</i>	
<i>7. Other:</i>	
<i>8. Spillway: Inlet Structure Condition</i>	No Deficiencies Observed
<p><i>9. Additional Comments (Refer to item number if applicable)</i>                      Owner stated that he removed boards to lower water level after the breach occurred. They will be putting in new spillway system while the water is down.</p>	
<b>Spillways: Outlet Works</b>	
<i>Is this section applicable for this dam?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<i>1. Location</i>	
<i>2a. Outlet Structure</i>	No Deficiency


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<b>Spillways: Outlet Works</b>	
<i>2b. Outlet Structure Type</i>	Pipe
	Photo Taken: 9/28/2018 10:22:21 AM GPS Latitude: 34.4228638888889 GPS Longitude: -79.9947888888889 GPS Altitude: 46.238188976378 meters GPS Azimuth: 135.339622641509 degrees
<i>3. Outlet Pipe</i>	No Deficiency
<i>4. Primary Closure/Control</i>	No Deficiency
<i>5. Secondary Closure/Control (If Applicable)</i>	
<i>6. Unusual Movement</i>	No Deficiency
<i>7a. Seepage</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
<i>7b. (If Present): Seepage</i>	
<i>8. Stilling Basin</i>	No Deficiency
<i>9. Normal Flow Quantity</i>	No Deficiency
<i>10. Low-Level Flow Quantity</i>	No Deficiency
<i>11a. Alterations/Repairs Present</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
<i>11b. (If Present:) Alterations/Repairs</i>	
<i>12. Other:</i>	Monitor
Monitor sediment on top of outlet pipe for erosion. Fill with soil as needed	
<i>13. Outlet Works Condition</i>	No Deficiencies Observed
<i>14. Additional Comments (Refer to item number if applicable)</i>	
Outlet appears to be in good condition. Please monitor soil above pipe for erosion. It is recommended that you plant grass as erosion protection.	

JORDAN POND DAM : D3532


Dams Preliminary Inspection Form

Inspector: Kaitlin Mahoney

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Emergency Action Plan	
<i>Is this section applicable for this dam?</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1. Date of last update of emergency plan:	
2a. EAP provided by owner?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
2b. (If EAP was not provided, was a copy of the EAP form left with the owner?)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
3. Does EAP contain emergency alert plan?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
4. Does EAP contain specific actions to take if the dam has failed or is failing?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
5. Additional Comments (Refer to item number if applicable) No EAP was provided at this inspection	

Downstream Hazard Check	
1. Satellite Imagery	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
	Photo Taken: 10/24/2018 1:56:06 PM
2. Inundation Map	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
3. Structures/Developments	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Inundation map shows possible homes located within the inundation area	
4. Roads/Railways	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Possible overtopping of highway 15 and North Center Rd	
5. Utilities	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
6. Consider For Reclass?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Consider reclass to High Hazard based on home(s) and road(s) located in inundation area	

JORDAN POND DAM : D3532

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**Downstream Hazard Check**

7. Additional Comments (Refer to item number if applicable)

**Inspection Summary**

1. Overall Condition (\*Per National Inventory of Dams Definition) Not Rated

Not rated due to breach in dam. Other issues not as major - permit required for large tree removal as well as fixing the breach. Permit will also be required for new spillway system when the owner decides to put it in. Maintenance items include keeping vegetation down and fixing minor erosion problems on slopes from beaver activity (to be fixed when new spillway system is installed). Animal (beaver) activity should be monitored and addressed as needed.

-----NID Definitions-----

*(SATISFACTORY) No existing or potential dam safety deficiencies are recognized.*

*Acceptable performance is expected under all loading conditions in accordance with state engineer's rules and regulations for dams or tolerable risk guidelines.*

*(FAIR) No existing dam safety deficiencies are recognized for normal loading conditions. Rare or extreme hydrologic and/or seismic events may result in a dam safety deficiency. Risk may be in the range to take further action.*

*(POOR) A dam safety deficiency is recognized for loading conditions, which may realistically occur. Remedial action is necessary. A POOR condition is used when uncertainties exist as to critical analysis parameters, which identify a potential dam safety deficiency. Further investigations and studies are necessary.*

*(UNSATISFACTORY) A dam safety deficiency is recognized that requires immediate or emergency remedial action for problem resolution.*

*(NOT RATED) This should only be used if it is not possible to assess to dam's condition due to site constraints on visibility on the day of inspection. If vegetation is a problem the owner should be ordered perform maintenance to remove it before the next visit.*

3. Final Comments

# JORDAN POND DAM : D3532

Dams Preliminary Inspection Form

Inspector: Kaitlin Mahoney

Start Date: 09/28/2018      Completed Date: 10/24/2018



## Inspection Summary

### *Preliminary Dam Inspection Disclaimer:*

*The information contained in the preliminary inspection report is intended as an aid to identify those dams that require maintenance and/or repair actions to reduce their danger to human life or property only. It is not intended as professional engineering or consulting advice for conditions or situations present at individual dams. It is not a substitute for a detailed inspection, nor does it replace the need for services provided by registered professional engineers. If your dam is experiencing an unusual situation consult with engineering professionals to find an appropriate remedy. Preliminary inspections conducted by South Carolina Department of Health and Environmental Control (the Department) are provided "AS IS" and "as available", without warranties of any kind, either express or implied. Preliminary inspections consist only of a visual but technical examination of the dam and its appurtenant works. All findings are based solely on visual observations of the inspector at the time of the inspection. Common law holds that the storage of water is a hazardous activity and the Department does not assume any responsibility or risk for your actions or inactions. Dam owners are responsible for the safe operations and maintenance of their impoundment structures.*

JORDAN POND DAM (D3532)  
Violation List



Form	Determined	Description	Sec. #
Dams Preliminary Inspection Form	9/28/2018	<b>Reference: DAMMAINTREP</b> Trees need to be removed	
Dams Preliminary Inspection Form	9/28/2018	<b>Reference: DAMMAINTREP</b> Some erosion above outlet pipe needs to be addressed. Owner said they will be replacing the spillway so this will be fixed	
Dams Preliminary Inspection Form	9/28/2018	<b>Reference: DAMMAINTREP</b> Vegetation should be cleared before inspection to be able to observe animal activity, erosion, seepage, etc.	
Dams Preliminary Inspection Form	9/28/2018	<b>Reference: DAMMAINTREP</b> Trees in downstream area need to be investigated by PE	
Dams Preliminary Inspection Form	9/28/2018	<b>Reference: DAMMAINTREP</b>	