

## Appendix A. Photo Logs, Wisconsin

### PHOTOGRAPHIC LOG

|                                                                                                                                           |                                                                                 |                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> | <b>Photographer:</b><br>Joe Hoyt<br><br><b>Page</b> <u>1</u> <b>of</b> <u>2</u> | <b>Camera Make/Model:</b><br>Nikon D4<br><br><b>Serial:</b> 2029895 |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------------|

| Frame | Date          | Digital #             | Description of Photograph (subject, orientation, scale)                                                                                                                                     |
|-------|---------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 2 August 2021 | _DSC4787-<br>_DSC4967 | Photographs of the S.C. Baldwin shipwreck site. Images were taken to create a photomosaic. No scale.                                                                                        |
| 2     | 2 August 2021 | _DSC4968-<br>_DSC5027 | Photographs of the S.C. Baldwin shipwreck site. Photos are sequential for creation of a photomosaic of the steam machinery. Image orientation varies. Diver is 6.5 feet for scale.          |
| 3     | 2 August 2021 | _DSC4928-<br>_DSC5087 | Photographs of the S.C. Baldwin shipwreck site. Photos are sequential for creation of a photomosaic of the vessel bow and structure. Image orientation varies. Diver is 6.5 feet for scale. |
| 4     | 3 August 2021 | _DSC5088-<br>_DSC5091 | Photographs of topside AUV operations on board the GLERL small vessel <i>SeaArk</i> . Orientation varies. Photographs depict project staff from NOAA and University of Delaware.            |
| 5     | 3 August 2021 | _DSC5092              | Video (0:00:07) of the AUV on the NOAA small boat. Orientation varies. No scale.                                                                                                            |
| 6     | 3 August 2021 | _DSC5093              | Video (0:00:06) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                     |
| 7     | 3 August 2021 | _DSC5094              | Video (0:00:10) of the AUV on the NOAA small boat. Orientation varies. No scale.                                                                                                            |
| 8     | 3 August 2021 | _DSC5095              | Video (0:00:06) of NOAA personnel on the NOAA small boat. Orientation varies. No scale.                                                                                                     |
| 9     | 3 August 2021 | _DSC5096              | Video (0:00:13) of the AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                 |
| 10    | 3 August 2021 | _DSC5097              | Video (0:00:07) of the AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                 |
| 11    | 3 August 2021 | _DSC5098              | Video (0:00:10) of the AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                 |
| 12    | 3 August 2021 | _DSC5099              | Video (0:00:22) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                     |
| 13    | 3 August 2021 | _DSC5100              | Video (0:00:09) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                     |
| 14    | 3 August 2021 | _DSC5101              | Video (0:00:11) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                     |
| 15    | 3 August 2021 | _DSC5102              | Video (0:00:17) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                     |
| 16    | 3 August 2021 | _DSC5103              | Video (0:00:55) of AUV recovery from the NOAA small boat. Orientation varies. No scale.                                                                                                     |
| 17    | 3 August 2021 | _DSC5104-<br>_DSC5111 | Photographs of topside AUV operations on board the GLERL small vessel <i>SeaArk</i> . Orientation varies. Photographs depict project staff from NOAA and University of Delaware.            |
| 18    | 3 August 2021 | _DSC5112              | Video (0:00:02) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                                     |

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|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>Joe Hoyt<br><br><b>Page <u>2</u> of <u>2</u></b>                                                                                                         | <b>Camera Make/Model:</b><br>Nikon D4<br><br><b>Serial:</b> 2029895 |
| 19                                                                                                                                        | 3 August 2021 | _DSC5113-<br>_DSC5120 | Photographs of topside AUV operations on board the GLERL small vessel <i>SeaArk</i> . Orientation varies. Photographs depict project staff from NOAA and University of Delaware. |                                                                     |
| 20                                                                                                                                        | 3 August 2021 | _DSC5121              | Video (0:00:17) of NOAA small boat operations. Orientation varies. No scale.                                                                                                     |                                                                     |
| 21                                                                                                                                        | 3 August 2021 | _DSC5122              | Video (0:00:11) of NOAA small boat operations. Orientation varies. No scale.                                                                                                     |                                                                     |
| 22                                                                                                                                        | 3 August 2021 | _DSC5123              | Video (0:00:10) of NOAA small boat operations. Orientation varies. No scale.                                                                                                     |                                                                     |
| 23                                                                                                                                        | 3 August 2021 | _DSC5124              | Video (0:00:10) of NOAA small boat operations. Orientation varies. No scale.                                                                                                     |                                                                     |
| 24                                                                                                                                        | 3 August 2021 | _DSC5125              | Video (0:00:08) of NOAA small boat operations. Orientation varies. No scale.                                                                                                     |                                                                     |
| 25                                                                                                                                        | 3 August 2021 | _DSC5126              | Video (0:00:08) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 26                                                                                                                                        | 3 August 2021 | _DSC5127              | Video (0:00:24) of AUV recovery from the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 27                                                                                                                                        | 3 August 2021 | _DSC5128              | Video (0:00:18) of AUV recovery from the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 28                                                                                                                                        | 3 August 2021 | _DSC5129              | Video (0:00:14) of AUV preparation on the NOAA small boat. Orientation varies. No scale.                                                                                         |                                                                     |
| 29                                                                                                                                        | 3 August 2021 | _DSC5130              | Video (0:00:26) of AUV deployment from the NOAA small boat. Orientation varies. No scale.                                                                                        |                                                                     |
| 30                                                                                                                                        | 3 August 2021 | _DSC5131              | Video (0:00:06) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 31                                                                                                                                        | 3 August 2021 | _DSC5132              | Video (0:00:15) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 32                                                                                                                                        | 3 August 2021 | _DSC5133              | Video (0:00:09) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 33                                                                                                                                        | 3 August 2021 | _DSC5134              | Video (0:00:14) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 34                                                                                                                                        | 3 August 2021 | _DSC5135              | Video (0:00:11) of AUV operations on the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 35                                                                                                                                        | 3 August 2021 | _DSC5136              | Video (0:00:47) of AUV recovery from the NOAA small boat. Orientation varies. No scale.                                                                                          |                                                                     |
| 36                                                                                                                                        | 3 August 2021 | _DSC5137-<br>_DSC5139 | Photographs of the AUV data collected on the shipwreck <i>Gallinipper</i> . Orientation varies. No scale.                                                                        |                                                                     |
| 37                                                                                                                                        | 3 August 2021 | _DSC5140              | Video (0:00:11) of AUV deployment from the NOAA small boat. Orientation varies. No scale.                                                                                        |                                                                     |

## PHOTOGRAPHIC LOG

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|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> | <b>Photographer:</b><br>University of Delaware<br><br><b>Page <u>1</u> of <u>5</u></b> | <b>Camera Make/Model:</b><br>DJI Mavic Drone<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------|

| Frame | Date          | Digital #         | Description of Photograph (subject, orientation, scale)                                                                    |
|-------|---------------|-------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1     | 4 August 2021 | DJI_0819          | Aerial video (0:01:21) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 2     | 4 August 2021 | DJI_0820          | Aerial video (0:01:55) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 3     | 4 August 2021 | DJI_0821          | Aerial video (0:01:03) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 4     | 4 August 2021 | DJI_0822          | Aerial video (0:01:32) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 5     | 4 August 2021 | DJI_0823          | Aerial video (0:01:23) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 6     | 4 August 2021 | DJI_0824          | Aerial video (0:01:23) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 7     | 4 August 2021 | DJI_0825          | Aerial video (0:00:24) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 8     | 5 August 2021 | DJI_0826          | Aerial video (0:00:27) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 9     | 5 August 2021 | DJI_0827          | Aerial video (0:01:23) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 10    | 5 August 2021 | DJI_0828-DJI_0830 | Aerial photographs of Echoboat 160 ASV and shore station in Point Beach State Park. Orientation varies. ASV measures 1.6m. |
| 11    | 5 August 2021 | DJI_0831          | Aerial video (0:02:07) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 12    | 5 August 2021 | DJI_0832          | Aerial video (0:00:54) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 13    | 5 August 2021 | DJI_0833          | Aerial video (0:00:05) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |
| 14    | 5 August 2021 | DJI_0834          | Aerial video (0:02:05) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |

| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>University of Delaware<br><br><b>Page <u>2</u> of <u>5</u></b>                                     | <b>Camera Make/Model:</b><br>DJI Mavic Drone<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 15                                                                                                                                        | 5 August 2021 | DJI_0835              | Aerial video (0:00:00) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 16                                                                                                                                        | 5 August 2021 | DJI_0836              | Aerial video (0:02:06) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 17                                                                                                                                        | 5 August 2021 | DJI_0837              | Aerial video (0:00:55) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 18                                                                                                                                        | 5 August 2021 | DJI_0838              | Aerial video (0:00:11) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 19                                                                                                                                        | 5 August 2021 | DJI_0839              | Aerial video (0:01:28) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 20                                                                                                                                        | 5 August 2021 | DJI_0840              | Aerial video (0:00:42) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 21                                                                                                                                        | 5 August 2021 | DJI_0841-<br>DJI_0844 | Aerial photographs of Echoboat 160 ASV and shore station in Point Beach State Park. Orientation varies. ASV measures 1.6m. |                                                                    |
| 22                                                                                                                                        | 5 August 2021 | DJI_0845              | Aerial video (0:01:33) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 23                                                                                                                                        | 5 August 2021 | DJI_0846              | Aerial video (0:00:19) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 24                                                                                                                                        | 5 August 2021 | DJI_0847-<br>DJI_0850 | Aerial photographs of Echoboat 160 ASV and shore station in Point Beach State Park. Orientation varies. No scale.          |                                                                    |
| 25                                                                                                                                        | 5 August 2021 | DJI_0851              | Aerial video (0:01:00) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 26                                                                                                                                        | 5 August 2021 | DJI_0852-<br>DJI_0854 | Aerial photographs of Echoboat 160 ASV and shore station in Point Beach State Park. Orientation varies. No scale.          |                                                                    |
| 27                                                                                                                                        | 5 August 2021 | DJI_0855              | Aerial video (0:00:10) of Echoboat 160 ASV operations off Point Beach State Park. Orientation varies. ASV measures 1.6m.   |                                                                    |
| 28                                                                                                                                        | 5 August 2021 | DJI_0856-<br>DJI_0860 | Aerial photographs of Point Beach State Park. Orientation varies. No scale.                                                |                                                                    |
| 29                                                                                                                                        | 5 August 2021 | DJI_0861              | Aerial video (0:00:41) of Pontoon boat operations off Point Beach State Park. Orientation varies. No scale.                |                                                                    |
| 30                                                                                                                                        | 5 August 2021 | DJI_0862              | Aerial photograph of pontoon boat operating off Point Beach State Park. Orientation varies. No scale.                      |                                                                    |
| 31                                                                                                                                        | 5 August 2021 | DJI_0863              | Aerial video (0:01:03) of Pontoon boat operations off Point Beach State Park. Orientation varies. No scale.                |                                                                    |
| 32                                                                                                                                        | 5 August 2021 | DJI_0864              | Aerial video (0:00: 16) of Pontoon boat operations off Point Beach State Park. Orientation varies. No scale.               |                                                                    |

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|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 33                                                                                                                                        | 5 August 2021 | DJI_0865-DJI_0866 | Aerial photographs of pontoon boat operating off Point Beach State Park. Orientation varies. No scale.                |                                                                    |
| 34                                                                                                                                        | 5 August 2021 | DJI_0867          | Aerial video (0:00:57) of Pontoon boat operations off Point Beach State Park. Orientation varies. No scale.           |                                                                    |
| 35                                                                                                                                        | 5 August 2021 | DJI_0868-DJI_0873 | Aerial photographs of pontoon boat operating off Point Beach State Park. Orientation varies. No scale.                |                                                                    |
| 36                                                                                                                                        | 5 August 2021 | DJI_0874          | Aerial video (0:00:47) of Pontoon boat operations off Point Beach State Park. Orientation varies. No scale.           |                                                                    |
| 37                                                                                                                                        | 5 August 2021 | DJI_0875          | Aerial photograph of pontoon boat operating off Point Beach State Park. Orientation varies. No scale.                 |                                                                    |
| 38                                                                                                                                        | 5 August 2021 | DJI_0876          | Aerial video (0:00:36) of Pontoon boat operations off Point Beach State Park. Orientation varies. No scale.           |                                                                    |
| 39                                                                                                                                        | 5 August 2021 | DJI_0877          | Aerial photograph of pontoon boat operating off Point Beach State Park. Orientation varies. No scale.                 |                                                                    |
| 40                                                                                                                                        | 5 August 2021 | DJI_0878          | Aerial video (0:01:16) of Pontoon boat operations off Point Beach State Park. Orientation varies. No scale.           |                                                                    |
| 41                                                                                                                                        | 5 August 2021 | DJI_0879-DJI_0882 | Aerial photographs of pontoon boat operating off Point Beach State Park. Orientation varies. No scale.                |                                                                    |
| 42                                                                                                                                        | 5 August 2021 | DJI_0883          | Aerial video (0:01:29) of Pontoon boat launching Iver3 AUV off Point Beach State Park. Orientation varies. No scale.  |                                                                    |
| 43                                                                                                                                        | 5 August 2021 | DJI_0884-DJI_0885 | Aerial photographs of pontoon boat operating Iver3 AUV off Point Beach State Park. Orientation varies. No scale.      |                                                                    |
| 44                                                                                                                                        | 5 August 2021 | DJI_0886          | Aerial video (0:00:49) of Pontoon boat launching Iver3 AUV off Point Beach State Park. Orientation varies. No scale.  |                                                                    |
| 45                                                                                                                                        | 5 August 2021 | DJI_0887          | Aerial video (0:03:42) of Pontoon boat launching Iver3 AUV off Point Beach State Park. Orientation varies. No scale.  |                                                                    |
| 46                                                                                                                                        | 5 August 2021 | DJI_0888-DJI_0895 | Aerial photographs of Iver3 AUV operations off Point Beach State Park. Orientation varies. No scale.                  |                                                                    |
| 47                                                                                                                                        | 5 August 2021 | DJI_0896          | Aerial video (0:00:14) of Point Beach State Park. Orientation varies. No scale.                                       |                                                                    |
| 48                                                                                                                                        | 6 August 2021 | DJI_0001          | Aerial photograph of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.         |                                                                    |
| 49                                                                                                                                        | 6 August 2021 | DJI_0002          | Aerial video (0:00:08) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.    |                                                                    |
| 50                                                                                                                                        | 6 August 2021 | DJI_0003          | Aerial video (0:00:11) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.    |                                                                    |
| 51                                                                                                                                        | 6 August 2021 | DJI_0004-DJI_0006 | Aerial photographs of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.        |                                                                    |
| 52                                                                                                                                        | 6 August 2021 | DJI_0007          | Aerial video (0:00:07) of Pontoon boat operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale. |                                                                    |
| 53                                                                                                                                        | 6 August 2021 | DJI_0008          | Aerial video (0:00:08) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.    |                                                                    |
| 54                                                                                                                                        | 6 August 2021 | DJI_0009-DJI_0011 | Aerial photographs of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.        |                                                                    |
| 55                                                                                                                                        | 6 August 2021 | DJI_0012          | Aerial video (0:00:57) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.    |                                                                    |

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|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 56                                                                                                                                        | 6 August 2021 | DJI_0013-DJI_0017 | Aerial photographs of Pontoon boat operation in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.          |                                                                    |
| 57                                                                                                                                        | 6 August 2021 | DJI_0018          | Aerial video (0:00:27) of Emily ASV retrieval in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.         |                                                                    |
| 58                                                                                                                                        | 6 August 2021 | DJI_0019          | Aerial video (0:01:05) of Pontoon boat operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.     |                                                                    |
| 59                                                                                                                                        | 6 August 2021 | DJI_0020-DJI_0022 | Aerial photographs of Pontoon boat operation in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.          |                                                                    |
| 60                                                                                                                                        | 6 August 2021 | DJI_0023          | Aerial video (0:00:25) of Pontoon boat operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.     |                                                                    |
| 61                                                                                                                                        | 6 August 2021 | DJI_0024-DJI_0025 | Aerial photographs of Two Rivers, WI. Orientation varies. No scale.                                                       |                                                                    |
| 62                                                                                                                                        | 6 August 2021 | DJI_0026          | Video (0:00:50) of structure from motion data capture in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale. |                                                                    |
| 63                                                                                                                                        | 6 August 2021 | DJI_0027          | Video (0:00:17) of structure from motion data capture in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale. |                                                                    |
| 64                                                                                                                                        | 6 August 2021 | DJI_0028-DJI_0031 | Aerial photographs of Pontoon boat operation in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.          |                                                                    |
| 65                                                                                                                                        | 6 August 2021 | DJI_0032          | Video (0:00:21) of Pontoon boat operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.            |                                                                    |
| 66                                                                                                                                        | 6 August 2021 | DJI_0033-DJI_0038 | Aerial photographs of Pontoon boat operation in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.          |                                                                    |
| 67                                                                                                                                        | 6 August 2021 | DJI_0039          | Video (0:00:42) of structure from motion data capture in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale. |                                                                    |
| 68                                                                                                                                        | 6 August 2021 | DJI_0040-DJI_0042 | Aerial photographs of Pontoon boat operation in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.          |                                                                    |
| 69                                                                                                                                        | 6 August 2021 | DJI_0043          | Video (0:00:23) of equipment used in the survey of the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.       |                                                                    |
| 70                                                                                                                                        | 6 August 2021 | DJI_0044          | Video (0:00:01) of equipment used in the survey of the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.       |                                                                    |
| 71                                                                                                                                        | 6 August 2021 | DJI_0045          | Aerial photographs of Pontoon boat operation in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.          |                                                                    |
| 72                                                                                                                                        | 6 August 2021 | DJI_0964          | Video (0:00:29) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.               |                                                                    |
| 73                                                                                                                                        | 6 August 2021 | DJI_0965-DJI_0967 | Photographs of Pontoon boat operation in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                 |                                                                    |
| 74                                                                                                                                        | 6 August 2021 | DJI_0968          | Video (0:01:16) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.               |                                                                    |
| 75                                                                                                                                        | 6 August 2021 | DJI_0969-DJI_0971 | Photographs of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                   |                                                                    |
| 76                                                                                                                                        | 6 August 2021 | DJI_0972          | Video (0:00:18) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.               |                                                                    |
| 77                                                                                                                                        | 6 August 2021 | DJI_0973-DJI_0978 | Photographs of Pontoon boat operation in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                 |                                                                    |
| 78                                                                                                                                        | 6 August 2021 | DJI_0979          | Video (0:00:15) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.               |                                                                    |

|                                                                                                                                           |               |                       |                                                                                                                              |                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>University of Delaware<br><br><b>Page <u>5</u> of <u>5</u></b>                                       | <b>Camera Make/Model:</b><br>DJI Mavic Drone<br><br><b>Serial:</b> |
| 79                                                                                                                                        | 6 August 2021 | DJI_0980              | Photographs of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                      |                                                                    |
| 80                                                                                                                                        | 6 August 2021 | DJI_0981              | Video (0:00:37) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                  |                                                                    |
| 81                                                                                                                                        | 6 August 2021 | DJI_0982-<br>DJI_0983 | Photographs of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                      |                                                                    |
| 82                                                                                                                                        | 6 August 2021 | DJI_0984              | Video (0:00:15) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                  |                                                                    |
| 83                                                                                                                                        | 6 August 2021 | DJI_0985-<br>DJI_0986 | Photographs of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                      |                                                                    |
| 84                                                                                                                                        | 6 August 2021 | DJI_0987              | Video (0:00:17) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                  |                                                                    |
| 85                                                                                                                                        | 6 August 2021 | DJI_0988              | Video (0:01:40) of Pontoon boat and Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale. |                                                                    |
| 86                                                                                                                                        | 6 August 2021 | DJI_0989-<br>DJI_0993 | Aerial photographs of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.               |                                                                    |
| 87                                                                                                                                        | 6 August 2021 | DJI_0994              | Video (0:00:46) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                  |                                                                    |
| 88                                                                                                                                        | 6 August 2021 | DJI_0995-<br>DJI_0998 | Aerial photographs of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.               |                                                                    |
| 89                                                                                                                                        | 6 August 2021 | DJI_0999              | Video (0:00:28) of Emily ASV operations in the Twin Rivers at Two Rivers, WI. Orientation varies. No scale.                  |                                                                    |

## PHOTOGRAPHIC LOG

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| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> | <b>Photographer:</b><br>University of Delaware<br><br><b>Page <u>1</u> of <u>1</u></b> | <b>Camera Make/Model:</b><br>Chasing M2 ROV<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-------------------------------------------------------------------|

| Frame | Date          | Digital #              | Description of Photograph (subject, orientation, scale)                                                                          |
|-------|---------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1     | 6 August 2021 | GLDS0806_095<br>419755 | Video (0:05:53) of Two Rivers local environment taken during survey operations. Orientation varies. No scale.                    |
| 2     | 7 August 2021 | GLDS0807_103<br>550248 | Video (0:00:06) taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale. |
| 3     | 7 August 2021 | GLDS0807_113<br>528526 | Video (0:00:02) taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale. |
| 4     | 7 August 2021 | GLDS0807_125<br>845739 | Video (0:00:38) taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale. |
| 5     | 7 August 2021 | GLDS0807_130<br>407189 | Video (0:05:12) taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale. |
| 6     | 7 August 2021 | GLDS0807_103<br>546468 | Photograph taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale.      |
| 7     | 7 August 2021 | GLDS0807_103<br>548309 | Photograph taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale.      |
| 8     | 7 August 2021 | GLDS0807_103<br>554409 | Photograph taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale.      |
| 9     | 7 August 2021 | GLDS0807_103<br>602038 | Photograph taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale.      |
| 10    | 7 August 2021 | GLDS0807_113<br>521339 | Photograph taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale.      |
| 11    | 7 August 2021 | GLDS0807_125<br>050477 | Photograph taken in river adjacent to Coast Guard Station as part of outreach day activities. Orientation varies. No scale.      |

## PHOTOGRAPHIC LOG

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|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> | <b>Photographer:</b><br>University of Delaware<br><br><b>Page <u>1</u> of <u>3</u></b> | <b>Camera Make/Model:</b><br>GoPro8 on the Iver3 AUV<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------|

| Frame | Date                   | Digital #         | Description of Photograph (subject, orientation, scale)                         |
|-------|------------------------|-------------------|---------------------------------------------------------------------------------|
| 1     | 2 August 2021-18:14:13 | WP10-001-WP10-118 | Photographs from the Iver3 AUV run over the shipwreck site <i>Henry Gust.</i>   |
| 2     | 2 August 2021-18:14:13 | WP07_001-WP07_199 | Photographs from the Iver3 AUV run over the shipwreck site <i>Henry Gust.</i>   |
| 3     | 2 August 2021-18:32:38 | WP11_001-WP11_205 | Photographs from the Iver3 AUV run over the shipwreck site <i>Henry Gust.</i>   |
| 4     | 2 August 2021-18:32:38 | WP15_001-WP15_206 | Photographs from the Iver3 AUV run over the shipwreck site <i>Henry Gust.</i>   |
| 5     | 2 August 2021-18:32:38 | WP19_001-WP19_202 | Photographs from the Iver3 AUV run over the shipwreck site <i>Henry Gust.</i>   |
| 6     | 2 August 2021-18:32:38 | WP23_001-WP23_208 | Photographs from the Iver3 AUV run over the shipwreck site <i>Henry Gust.</i>   |
|       | 2 August 2021-18:32:38 | WP27_001-WP27_202 | Photographs from the Iver3 AUV run over the shipwreck site <i>Henry Gust.</i>   |
| 7     | 2 August 2021-18:32:38 | WP31_001-WP31_205 | Photographs from the Iver3 AUV run over the shipwreck site <i>Henry Gust.</i>   |
| 8     | 2 August 2021-20:24:09 | WP07_001-WP07_408 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon.</i>       |
| 9     | 2 August 2021-20:24:09 | WP11_001-WP11_411 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon.</i>       |
| 10    | 2 August 2021-20:24:09 | WP15_001-WP15_403 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon.</i>       |
| 11    | 2 August 2021-20:24:09 | WP19_001-WP19_411 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon.</i>       |
| 12    | 2 August 2021-20:24:09 | WP23_001-WP23_423 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon.</i>       |
| 13    | 2 August 2021-20:24:09 | WP27_001-WP27_415 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon.</i>       |
| 14    | 2 August 2021-22:18:04 | WP07_001-WP07_184 | Photographs from the Iver3 AUV run over the shipwreck site <i>S.C. Baldwin.</i> |
| 15    | 2 August 2021-22:18:04 | WP11_001-WP11_188 | Photographs from the Iver3 AUV run over the shipwreck site <i>S.C. Baldwin.</i> |
| 16    | 2 August 2021-22:18:04 | WP15_001-WP15_188 | Photographs from the Iver3 AUV run over the shipwreck site <i>S.C. Baldwin.</i> |
| 17    | 2 August 2021-22:18:04 | WP19_001-WP19_184 | Photographs from the Iver3 AUV run over the shipwreck site <i>S.C. Baldwin.</i> |
| 18    | 2 August 2021-22:18:04 | WP23_001-WP23_187 | Photographs from the Iver3 AUV run over the shipwreck site <i>S.C. Baldwin.</i> |
| 19    | 3 August 2021-15:19:00 | WP07_001-WP07_396 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon.</i>       |
| 20    | 3 August 2021-15:19:00 | WP11_001-WP11_402 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon.</i>       |

|                                                                                                                                           |                        |                   |                                                                                        |                                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |                        |                   | <b>Photographer:</b><br>University of Delaware<br><br><b>Page <u>2</u> of <u>3</u></b> | <b>Camera Make/Model:</b><br>GoPro8 on the Iver3 AUV<br><br><b>Serial:</b> |
| 21                                                                                                                                        | 3 August 2021-15:19:00 | WP15_001-WP15_407 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 22                                                                                                                                        | 3 August 2021-15:19:00 | WP19_001-WP19_403 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 23                                                                                                                                        | 3 August 2021-15:19:00 | WP25_001-WP25_403 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 24                                                                                                                                        | 3 August 2021-15:19:00 | WP29_001-WP29_407 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 25                                                                                                                                        | 3 August 2021-15:19:00 | WP33_001-WP33_411 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 26                                                                                                                                        | 3 August 2021-15:19:00 | WP37_001-WP37_411 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 27                                                                                                                                        | 3 August 2021-15:19:00 | WP43_001-WP43_399 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 28                                                                                                                                        | 3 August 2021-15:19:00 | WP47_001-WP47_415 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 29                                                                                                                                        | 3 August 2021-15:19:00 | WP51_001-WP51_411 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 30                                                                                                                                        | 3 August 2021-15:19:00 | WP55_001-WP55_415 | Photographs from the Iver3 AUV run over the shipwreck site <i>Vernon</i> .             |                                                                            |
| 31                                                                                                                                        | 3 August 2021-20:27:07 | WP07_001-WP07_403 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 32                                                                                                                                        | 3 August 2021-20:27:07 | WP11_001-WP11_407 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 33                                                                                                                                        | 3 August 2021-20:27:07 | WP15_001-WP15_407 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 34                                                                                                                                        | 3 August 2021-20:27:07 | WP19_001-WP19_407 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 35                                                                                                                                        | 3 August 2021-20:27:07 | WP23_001-WP23_404 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 36                                                                                                                                        | 3 August 2021-21:35:23 | WP07_001-WP07_337 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 37                                                                                                                                        | 3 August 2021-21:35:23 | WP11_001-WP11_342 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 38                                                                                                                                        | 3 August 2021-21:35:23 | WP15_001-WP15_342 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 39                                                                                                                                        | 3 August 2021-21:35:23 | WP19_001-WP19_347 | Photographs from the Iver3 AUV run over the shipwreck site <i>Gallinipper</i> .        |                                                                            |
| 40                                                                                                                                        | 3 August 2021          | GOPR6477          | Video (0:04:53) taken during test Iver3 AUV deployment. Orientation varies. No scale.  |                                                                            |
| 41                                                                                                                                        | 3 August 2021          | GOPR6479          | Video (0:02:26) of Iver3 deployment. Orientation varies. No scale.                     |                                                                            |
| 42                                                                                                                                        | 3 August 2021          | GOPR6480          | Video (0:04:45) of Iver3 retrieval. Orientation varies. No scale.                      |                                                                            |
| 43                                                                                                                                        | 5 August 2021-15:56:42 | WP07_001-WP07_179 | Photographs from the Iver3 AUV run over the shipwreck site <i>Tubal Cain</i> .         |                                                                            |

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| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |                        |                   | <b>Photographer:</b><br>University of Delaware<br><br><b>Page <u>3</u> of <u>3</u></b> | <b>Camera Make/Model:</b><br>GoPro8 on the Iver3 AUV<br><br><b>Serial:</b> |
| 44                                                                                                                                        | 5 August 2021-15:56:42 | WP11_001-WP11_224 | Photographs from the Iver3 AUV run over the shipwreck site <i>Tubal Cain</i> .         |                                                                            |
| 45                                                                                                                                        | 5 August 2021-15:56:42 | WP15_001-WP15_175 | Photographs from the Iver3 AUV run over the shipwreck site <i>Tubal Cain</i> .         |                                                                            |
| 46                                                                                                                                        | 5 August 2021-16:29:02 | WP07_001-WP07_171 | Photographs from the Iver3 AUV run over the shipwreck site <i>Tubal Cain</i> .         |                                                                            |
| 47                                                                                                                                        | 5 August 2021-16:29:02 | WP11_001-WP11_158 | Photographs from the Iver3 AUV run over the shipwreck site <i>Tubal Cain</i> .         |                                                                            |
| 48                                                                                                                                        | 5 August 2021-16:29:02 | WP15_001-WP15_163 | Photographs from the Iver3 AUV run over the shipwreck site <i>Tubal Cain</i> .         |                                                                            |
| 49                                                                                                                                        | 5 August 2021-16:29:02 | WP19_001-WP19_158 | Photographs from the Iver3 AUV run over the shipwreck site <i>Tubal Cain</i> .         |                                                                            |

## PHOTOGRAPHIC LOG

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| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>1</u> of <u>8</u></b> | <b>Camera Make/Model:</b><br>Canon EOS R5<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------------|

| Frame | Date          | Digital #             | Description of Photograph (subject, orientation, scale)                                                                     |
|-------|---------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 1     | 29 July 2021  | _71A0590-<br>_71A0593 | Photographs of project personnel assessing beach conditions in Point Beach State Park. No scale. Orientation varies.        |
| 2     | 30 July 2021  | _71A0595-<br>_71A0604 | Photographs of aerial magnetometer operations on Point Beach State Park beach. Orientation varies. No scale.                |
| 3     | 30 July 2021  | _71A0605-<br>_71A0609 | Photographs of wildlife at Point Beach State Park. No orientation. No scale.                                                |
| 4     | 1 August 2021 | _71A0610-<br>_71A0612 | Photographs of wildlife at Point Beach State Park. No orientation. No scale.                                                |
| 5     | 1 August 2021 | _71A0613-<br>_71A0626 | Photographs of project personnel at the Rawley Point lighthouse and photographs of waysides. Orientation varies. No scale.  |
| 6     | 1 August 2021 | B71A0627              | Video (0:00:09) of personnel at the Two Rivers Coast Guard Station. Orientation varies. No scale.                           |
| 7     | 1 August 2021 | B71A0628              | Video (0:00:12) of project personnel at the Two Rivers Coast Guard Station. Orientation varies. No scale.                   |
| 8     | 1 August 2021 | B71A0629              | Video (0:00:07) of personnel at the Two Rivers Coast Guard Station. Orientation varies. No scale.                           |
| 9     | 1 August 2021 | B71A0630              | Video (0:00:01) of personnel at the Two Rivers Coast Guard Station. Orientation varies. No scale.                           |
| 10    | 2 August 2021 | _71A0631-<br>_71A0648 | Photographs of aerial drone operations at Point Beach State Park. Images over water face east. Drone measures 5m in height. |
| 11    | 2 August 2021 | _71A0649-<br>_71A0687 | Photographs of shore operations of drone survey and beach visitors. Orientation varies. No scale.                           |
| 12    | 2 August 2021 | _71A0688-<br>_71A0783 | Photographs of drone operations in Point Beach State Park. Orientation varies. Drone measures 5m.                           |
| 13    | 2 August 2021 | _71A0784-<br>_71A0800 | Photographs of drone batteries and charging station. Orientation varies. No scale.                                          |
| 14    | 2 August 2021 | _71A0801-<br>_71A0878 | Photographs of drone operations in Point Beach State Park. Orientation varies. Drone measures 5m.                           |
| 15    | 2 August 2021 | B71A0879              | Video (0:00:12) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                       |
| 16    | 2 August 2021 | B71A0880              | Video (0:00:09) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                       |
| 17    | 2 August 2021 | B71A0881              | Video (0:00:11) of drone operator at Point Beach State Park. Orientation varies. Drone measures 5m.                         |
| 18    | 2 August 2021 | B71A0882              | Video (0:00:18) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                       |
| 19    | 2 August 2021 | B71A0883              | Video (0:00:14) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                       |
| 20    | 2 August 2021 | B71A0884              | Video (0:00:13) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                       |
| 21    | 2 August 2021 | B71A0885              | Video (0:00:19) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                       |

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|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>2</u> of <u>8</u></b>                                                                                                                                        | <b>Camera Make/Model:</b><br>Canon EOS R5<br><br><b>Serial:</b> |
| 22                                                                                                                                        | 2 August 2021 | _71A0886-<br>_71A0948 | Photographs of drone operations in Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                                 |                                                                 |
| 23                                                                                                                                        | 3 August 2021 | _71A0949-<br>_71A0964 | Photographs of project personnel working on Echoboat 240 ASV at the Two Rivers Coast Guard Station. Orientation varies. No scale.                                                                                 |                                                                 |
| 24                                                                                                                                        | 3 August 2021 | B71A0965              | Video (0:00:11) of ASV work at the Coast Guard Station. Orientation varies. ASV measures 2.4m.                                                                                                                    |                                                                 |
| 25                                                                                                                                        | 3 August 2021 | B71A0966              | Video (0:00:10) of ASV work at the Coast Guard Station. Orientation varies. ASV measures 2.4m.                                                                                                                    |                                                                 |
| 26                                                                                                                                        | 3 August 2021 | B71A0967              | Video (0:00:11) of ASV work at the Coast Guard Station. Orientation varies. ASV measures 2.4m.                                                                                                                    |                                                                 |
| 27                                                                                                                                        | 3 August 2021 | B71A0968              | Video (0:00:18) of ASV work at the Coast Guard Station. Orientation varies. ASV measures 2.4m.                                                                                                                    |                                                                 |
| 28                                                                                                                                        | 3 August 2021 | _71A0969-<br>_71A0984 | Photographs of project personnel working on Echoboat 240 ASV at the Two Rivers Coast Guard Station. Orientation varies. No scale.                                                                                 |                                                                 |
| 29                                                                                                                                        | 3 August 2021 | _71A0985-<br>_71A0997 | Photographs of project personnel working on Iver3 AUV at Two Rivers Coast Guard Station. Orientation varies. No scale.                                                                                            |                                                                 |
| 30                                                                                                                                        | 3 August 2021 | B71A0998              | Video (0:00:22) of Iver3 AUV at the Coast Guard Station. Orientation varies. No scale.                                                                                                                            |                                                                 |
| 31                                                                                                                                        | 3 August 2021 | B71A0999              | Video (0:00:14) of pontoon transit to Point Beach State Park. Orientation varies. No scale.                                                                                                                       |                                                                 |
| 32                                                                                                                                        | 3 August 2021 | B71A1000              | Video (0:00:17) of pontoon transit to Point Beach State Park. Orientation varies. No scale.                                                                                                                       |                                                                 |
| 33                                                                                                                                        | 3 August 2021 | B71A1001              | Video (0:00:15) of pontoon transit to Point Beach State Park. Orientation varies. No scale.                                                                                                                       |                                                                 |
| 34                                                                                                                                        | 3 August 2021 | B71A1002              | Video (0:00:15) of pontoon transit to Point Beach State Park. Orientation varies. No scale.                                                                                                                       |                                                                 |
| 35                                                                                                                                        | 3 August 2021 | B71A1003              | Video (0:00:07) of pontoon transit to Point Beach State Park. Orientation varies. No scale.                                                                                                                       |                                                                 |
| 36                                                                                                                                        | 3 August 2021 | B71A1004              | Video (0:00:04) of pontoon transit to Point Beach State Park. Orientation varies. No scale.                                                                                                                       |                                                                 |
| 37                                                                                                                                        | 3 August 2021 | _71A1005-<br>_71A1014 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 38                                                                                                                                        | 3 August 2021 | B71A1015              | Video (0:00:17) of pontoon transit to Point Beach State Park. Orientation varies. No scale.                                                                                                                       |                                                                 |
| 39                                                                                                                                        | 3 August 2021 | _71A1016-<br>_71A1026 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 40                                                                                                                                        | 3 August 2021 | B71A1027              | Timelapse video (0:02:18) of drone operations at Point Beach State Park. Orientation varies. No scale.                                                                                                            |                                                                 |
| 41                                                                                                                                        | 3 August 2021 | B71A1028              | Video (0:00:42) of drone preparation at Point Beach State Park. Orientation varies. No scale.                                                                                                                     |                                                                 |

| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>3</u> of <u>8</u></b>                                                                                                                                        | <b>Camera Make/Model:</b><br>Canon EOS R5<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 42                                                                                                                                        | 3 August 2021 | _71A1029-<br>_71A1067 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 43                                                                                                                                        | 3 August 2021 | B71A1068              | Video (0:00:31) of drone operations at Point Beach State Park. Orientation varies. No scale.                                                                                                                      |                                                                 |
| 44                                                                                                                                        | 3 August 2021 | B71A1069              | Video (0:00:47) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                             |                                                                 |
| 45                                                                                                                                        | 3 August 2021 | B71A1070              | Video (0:00:40) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                             |                                                                 |
| 46                                                                                                                                        | 3 August 2021 | B71A1071              | Video (0:00:15) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                             |                                                                 |
| 47                                                                                                                                        | 3 August 2021 | _71A1072-<br>_71A1079 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 48                                                                                                                                        | 3 August 2021 | B71A1080              | Video (0:00:39) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                             |                                                                 |
| 49                                                                                                                                        | 3 August 2021 | B71A1081              | Video (0:00:29) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                             |                                                                 |
| 50                                                                                                                                        | 3 August 2021 | _71A1082-<br>_71A1102 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 51                                                                                                                                        | 3 August 2021 | B71A1103              | Timelapse video (0:00:40) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                   |                                                                 |
| 52                                                                                                                                        | 3 August 2021 | B71A1104              | Video (0:00:59) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                             |                                                                 |
| 53                                                                                                                                        | 3 August 2021 | _71A1105-<br>_71A1115 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 54                                                                                                                                        | 3 August 2021 | B71A1116              | Timelapse video (0:03:17) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                   |                                                                 |
| 55                                                                                                                                        | 3 August 2021 | B71A1117              | Video (0:01:02) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m.                                                                                                             |                                                                 |
| 56                                                                                                                                        | 3 August 2021 | _71A1118-<br>_71A1242 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 57                                                                                                                                        | 3 August 2021 | B71A1243              | Video (0:00:21) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 58                                                                                                                                        | 3 August 2021 | B71A1244              | Video (0:00:17) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |

| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>4</u> of <u>8</u></b>                                                                                                                                        | <b>Camera Make/Model:</b><br>Canon EOS R5<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 59                                                                                                                                        | 3 August 2021 | _71A1245-<br>_71A1254 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 60                                                                                                                                        | 3 August 2021 | B71A1255              | Timelapse video (0:03:49) of drone operations at Point Beach State Park. Orientation varies. No scale.                                                                                                            |                                                                 |
| 61                                                                                                                                        | 3 August 2021 | B71A1256              | Video (0:00:59) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 62                                                                                                                                        | 3 August 2021 | B71A1257              | Video (0:00:40) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 63                                                                                                                                        | 3 August 2021 | _71A1258-<br>_71A1266 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 64                                                                                                                                        | 3 August 2021 | B71A1267              | Video (0:00:15) of drone setup and processing station at Point Beach State Park. Orientation varies. No scale.                                                                                                    |                                                                 |
| 65                                                                                                                                        | 3 August 2021 | _71A1268-<br>_71A1276 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 66                                                                                                                                        | 3 August 2021 | B71A1277              | Video (0:00:24) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 67                                                                                                                                        | 3 August 2021 | B71A1278              | Video (0:00:30) of drone operations at Point Beach State Park. Orientation varies. No scale.                                                                                                                      |                                                                 |
| 68                                                                                                                                        | 3 August 2021 | B71A1279              | Video (0:00:47) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m in height.                                                                                                   |                                                                 |
| 69                                                                                                                                        | 3 August 2021 | _71A1280-<br>_71A1300 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 70                                                                                                                                        | 3 August 2021 | B71A1301              | Video (0:00:19) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 71                                                                                                                                        | 3 August 2021 | B71A1302              | Video (0:00:17) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 72                                                                                                                                        | 3 August 2021 | B71A1303              | Video (0:00:41) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 73                                                                                                                                        | 3 August 2021 | _71A1304-<br>_71A1384 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 74                                                                                                                                        | 3 August 2021 | B71A1385              | Timelapse video (0:06:27) of drone operations at Point Beach State Park. Orientation varies. Drone measures 5m in height.                                                                                         |                                                                 |
| 75                                                                                                                                        | 3 August 2021 | B71A1386              | Timelapse video (0:02:36) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                 |                                                                 |

| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>5</u> of <u>8</u></b>                                                                                                                                        | <b>Camera Make/Model:</b><br>Canon EOS R5<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 76                                                                                                                                        | 3 August 2021 | _71A1387-<br>_71A1391 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 77                                                                                                                                        | 3 August 2021 | B71A1392              | Video (0:00:13) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 78                                                                                                                                        | 3 August 2021 | B71A1393              | Video (0:00:36) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 79                                                                                                                                        | 3 August 2021 | B71A1394              | Video (0:00:22) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                           |                                                                 |
| 80                                                                                                                                        | 3 August 2021 | _71A1395-<br>_71A1407 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 81                                                                                                                                        | 3 August 2021 | B71A1408              | Timelapse video (0:02:50) of drone setup at Point Beach State Park. Orientation varies. No scale.                                                                                                                 |                                                                 |
| 82                                                                                                                                        | 3 August 2021 | _71A1409-<br>_71A1468 | Photographs of pontoon beach transit and setup of magnetometer shore station. Images depict equipment, project personnel, and magnetometer launch and retrieval. Orientation varies. Drone measures 5m in height. |                                                                 |
| 83                                                                                                                                        | 3 August 2021 | B71A1469              | Timelapse video (0:08:22) of drone at Point Beach State Park. Orientation varies. No scale.                                                                                                                       |                                                                 |
| 84                                                                                                                                        | 4 August 2021 | B71A1470              | Video (0:00:20) of Echoboat 160 at Coast Guard Station. Orientation varies. No scale.                                                                                                                             |                                                                 |
| 85                                                                                                                                        | 4 August 2021 | B71A1471              | Video (0:00:01) of Echoboat 160 at Coast Guard Station. Orientation varies. No scale.                                                                                                                             |                                                                 |
| 86                                                                                                                                        | 4 August 2021 | B71A1472              | Video (0:00:08) of Echoboat 160 at Coast Guard Station. Orientation varies. No scale.                                                                                                                             |                                                                 |
| 87                                                                                                                                        | 4 August 2021 | B71A1473              | Video (0:00:01) of Echoboat 160 at Coast Guard Station. Orientation varies. No scale.                                                                                                                             |                                                                 |
| 88                                                                                                                                        | 4 August 2021 | B71A1474              | Video (0:00:27) of Echoboat 160 at Coast Guard Station. Orientation varies. No scale.                                                                                                                             |                                                                 |
| 89                                                                                                                                        | 4 August 2021 | B71A1475              | Video (0:00:27) of Echoboat 160 at Coast Guard Station. Orientation varies. No scale.                                                                                                                             |                                                                 |
| 90                                                                                                                                        | 4 August 2021 | B71A1476              | Video (0:00:15) of Echoboat 160 at Coast Guard Station. Orientation varies. No scale.                                                                                                                             |                                                                 |
| 91                                                                                                                                        | 4 August 2021 | _71A1477-<br>_71A1483 | Photographs of project personnel working on the Echoboat 160 ASV. Orientation varies. No scale.                                                                                                                   |                                                                 |
| 92                                                                                                                                        | 4 August 2021 | B71A1484              | Video (0:00:13) of personnel checking data at the Two Rivers Coast Guard Station. Orientation varies. No scale.                                                                                                   |                                                                 |
| 93                                                                                                                                        | 4 August 2021 | B71A1485              | Video (0:00:14) of personnel checking data at the Two Rivers Coast Guard Station. Orientation varies. No scale.                                                                                                   |                                                                 |
| 94                                                                                                                                        | 4 August 2021 | B71A1486              | Video (0:00:06) of personnel checking data at the Two Rivers Coast Guard Station. Orientation varies. No scale.                                                                                                   |                                                                 |
| 95                                                                                                                                        | 4 August 2021 | B71A1487              | Video (0:00:04) of personnel checking data at the Two Rivers Coast Guard Station. Orientation varies. No scale.                                                                                                   |                                                                 |

|                                                                                                                                           |               |                       |                                                                                                                                    |                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>6</u> of <u>8</u></b>                                                         | <b>Camera Make/Model:</b><br>Canon EOS R5<br><br><b>Serial:</b> |
| 96                                                                                                                                        | 4 August 2021 | _71A1488-<br>_71A1493 | Photographs of project personnel checking data at the Two Rivers Coast Guard Station. Orientation varies. No scale.                |                                                                 |
| 97                                                                                                                                        | 4 August 2021 | _71A1494-<br>_71A1524 | Photographs of Echoboat 240 ASV and data processing at the Two Rivers Coast Guard Station. Orientation varies. No scale.           |                                                                 |
| 98                                                                                                                                        | 4 August 2021 | B71A1525              | Video (0:00:13) of personnel working with the Echoboat 240 at the Coast Guard Station. Orientation varies. Echoboat measures 2.4m. |                                                                 |
| 99                                                                                                                                        | 4 August 2021 | B71A1526              | Video (0:00:09) of personnel working with the Echoboat 240 at the Coast Guard Station. Orientation varies. Echoboat measures 2.4m. |                                                                 |
| 100                                                                                                                                       | 4 August 2021 | B71A1527              | Video (0:00:49) of personnel working with the Echoboat 240 at the Coast Guard Station. Orientation varies. Echoboat measures 2.4m. |                                                                 |
| 101                                                                                                                                       | 4 August 2021 | _71A1528-<br>_71A1535 | Photographs of Echoboat 240 ASV and data processing at the Two Rivers Coast Guard Station. Orientation varies. No scale.           |                                                                 |
| 102                                                                                                                                       | 4 August 2021 | B71A1536              | Video (0:00:09) of personnel working with the Echoboat 240 at the Coast Guard Station. Orientation varies. Echoboat measures 2.4m. |                                                                 |
| 103                                                                                                                                       | 4 August 2021 | B71A1537              | Video (0:00:11) of personnel working with the Echoboat 240 at the Coast Guard Station. Orientation varies. Echoboat measures 2.4m. |                                                                 |
| 104                                                                                                                                       | 4 August 2021 | B71A1538              | Video (0:00:15) of personnel working with the Echoboat 240 at the Coast Guard Station. Orientation varies. Echoboat measures 2.4m. |                                                                 |
| 105                                                                                                                                       | 4 August 2021 | B71A1539              | Video (0:00:17) of pontoon transit to Point Beach State Park. Orientation varies. Echoboat measures 2.4m.                          |                                                                 |
| 106                                                                                                                                       | 4 August 2021 | B71A1540              | Video (0:00:18) of of pontoon transit to Point Beach State Park. Orientation varies. Echoboat measures 2.4m.                       |                                                                 |
| 107                                                                                                                                       | 5 August 2021 | _71A1541-<br>_71A1546 | Photographs of wildlife at Point Beach State Park. Orientation varies. No scale.                                                   |                                                                 |
| 108                                                                                                                                       | 7 August 2021 | B71A1547              | Video (0:00:02) of outreach day preparations at Two Rivers Coast Guard Station. Orientation varies. No scale.                      |                                                                 |
| 109                                                                                                                                       | 7 August 2021 | B71A1548              | Video (0:00:32) of outreach day preparations at Two Rivers Coast Guard Station. Orientation varies. No scale.                      |                                                                 |
| 110                                                                                                                                       | 7 August 2021 | B71A1549              | Video (0:00:12) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                                   |                                                                 |
| 111                                                                                                                                       | 7 August 2021 | _71A1550-<br>_71A1574 | Photographs of outreach day at the Two Rivers Coast Guard Station. Orientation varies. No scale.                                   |                                                                 |
| 112                                                                                                                                       | 7 August 2021 | B71A1575              | Video (0:00:16) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                                   |                                                                 |
| 113                                                                                                                                       | 7 August 2021 | B71A1576              | Video (0:00:14) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                                   |                                                                 |
| 114                                                                                                                                       | 7 August 2021 | B71A1577              | Video (0:00:18) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                                   |                                                                 |
| 115                                                                                                                                       | 7 August 2021 | B71A1578              | Video (0:00:10) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                                   |                                                                 |

| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>7</u> of <u>8</u></b>                                                | <b>Camera Make/Model:</b><br>Canon EOS R5<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 116                                                                                                                                       | 7 August 2021 | B71A1579              | Video (0:00:06) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 117                                                                                                                                       | 7 August 2021 | B71A1580              | Video (0:00:14) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 118                                                                                                                                       | 7 August 2021 | B71A1581              | Video (0:00:16) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 119                                                                                                                                       | 7 August 2021 | B71A1582              | Video (0:00:07) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 120                                                                                                                                       | 7 August 2021 | _71A1583-<br>_71A1592 | Photographs of the C-Worker 8 at outreach day. Orientation varies. No scale.                                              |                                                                 |
| 121                                                                                                                                       | 7 August 2021 | B71A1593              | Video (0:00:08) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 122                                                                                                                                       | 7 August 2021 | B71A1594              | Video (0:00:16) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 123                                                                                                                                       | 7 August 2021 | B71A1595              | Video (0:00:19) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 124                                                                                                                                       | 7 August 2021 | B71A1596              | Video (0:00:10) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 125                                                                                                                                       | 7 August 2021 | B71A1597              | Video (0:00:07) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 126                                                                                                                                       | 7 August 2021 | B71A1598              | Video (0:00:24) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 127                                                                                                                                       | 7 August 2021 | _71A1599-<br>_71A1624 | Photographs of the Iver3 AUV and University of Delaware outreach at Wisconsin outreach day. Orientation varies. No scale. |                                                                 |
| 128                                                                                                                                       | 7 August 2021 | B71A1625              | Video (0:00:39) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 126                                                                                                                                       | 7 August 2021 | B71A1626              | Video (0:00:23) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 130                                                                                                                                       | 7 August 2021 | B71A1627              | Video (0:00:21) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 131                                                                                                                                       | 7 August 2021 | _71A1628-<br>_71A1634 | Photographs of the C-Worker 8 ASV at Wisconsin outreach day. Orientation varies. No scale.                                |                                                                 |
| 132                                                                                                                                       | 7 August 2021 | B71A1635              | Video (0:00:18) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 133                                                                                                                                       | 7 August 2021 | B71A1636              | Video (0:00:26) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 134                                                                                                                                       | 7 August 2021 | _71A1637-<br>_71A1660 | Photographs of educators and the C-Worker 8 ASV at Wisconsin outreach day. Orientation varies. No scale.                  |                                                                 |
| 135                                                                                                                                       | 7 August 2021 | B71A1661              | Video (0:01:35) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 136                                                                                                                                       | 7 August 2021 | B71A1662              | Video (0:00:09) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |
| 137                                                                                                                                       | 7 August 2021 | B71A1663              | Video (0:00:09) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.                          |                                                                 |

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|-------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|--------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |                |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page _8_ of _8_</b>                                       | <b>Camera Make/Model:</b><br>Canon EOS R5<br><br><b>Serial:</b> |
| 138                                                                                                                                       | 7 August 2021  | B71A1664              | Video (0:00:21) of outreach day at Two Rivers Coast Guard Station. Orientation varies. No scale.       |                                                                 |
| 139                                                                                                                                       | 9 August 2021  | _71A1665-<br>_71A1690 | Photographs of the submarine USS Cobia at the Wisconsin Maritime Museum. Orientation varies. No scale. |                                                                 |
| 140                                                                                                                                       | 10 August 2021 | _71A1691-<br>_71A1789 | Photographs of the submarine USS Cobia at the Wisconsin Maritime Museum. Orientation varies. No scale. |                                                                 |

## PHOTOGRAPHIC LOG

|                                                                                                                                           |                                                                            |                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>1</u> of <u>5</u></b> | <b>Camera Make/Model:</b><br>DJI Air2S<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------|

| Frame | Date          | Digital #         | Description of Photograph (subject, orientation, scale)                                                                              |
|-------|---------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 30 July 2021  | DJI_0039-DJI_0042 | Aerial photographs of the Point Beach State Park looking west. No scale.                                                             |
| 2     | 30 July 2021  | DJI_0043          | Aerial video (0:00:33) of Point Beach State Park. Orientation faces east. No scale.                                                  |
| 3     | 30 July 2021  | DJI_0044          | Aerial video (0:00:29) of Point Beach State Park. Orientation faces south. No scale.                                                 |
| 4     | 30 July 2021  | DJI_0045          | Aerial video (0:00:34) of Point Beach State Park. Orientation faces north. No scale.                                                 |
| 5     | 31 July 2021  | DJI_0046          | Aerial photographs of the Point Beach State Park looking west. No scale.                                                             |
| 6     | 2 August 2021 | DJI_0047          | Video (0:00:27) of aerial magnetometer operations at Point Beach State Park. Orientation varies. No scale.                           |
| 7     | 2 August 2021 | DJI_0048          | Aerial video (0:00:46) of aerial magnetometer operations at Point Beach State Park. Orientation varies. Drone measures 5m in height. |
| 8     | 2 August 2021 | DJI_0049          | Aerial video (0:00:27) of aerial magnetometer operations at Point Beach State Park. Orientation varies. Drone measures 5m in height. |
| 9     | 2 August 2021 | DJI_0050          | Aerial video (0:00:51) of aerial magnetometer operations at Point Beach State Park. Orientation varies. Drone measures 5m in height. |
| 10    | 2 August 2021 | DJI_0051          | Aerial video (0:00:47) of aerial magnetometer operations at Point Beach State Park. Orientation varies. Drone measures 5m in height. |
| 11    | 2 August 2021 | DJI_0052          | Aerial video (0:00:30) of aerial magnetometer operations at Point Beach State Park. Orientation varies. Drone measures 5m in height. |
| 12    | 2 August 2021 | DJI_0053          | Aerial video (0:02:52) of aerial magnetometer operations at Point Beach State Park. Orientation varies. Drone measures 5m in height. |
| 13    | 2 August 2021 | DJI_0054          | Aerial video (0:00:11) of aerial magnetometer operations at Point Beach State Park. Orientation varies. Drone measures 5m in height. |
| 14    | 2 August 2021 | DJI_0055-DJI_0062 | Aerial photographs of aerial magnetometer operations off Point Beach State Park. Orientation varies. Drone is 5m in height.          |
| 15    | 2 August 2021 | DJI_0063          | Aerial video (0:00:35) of aerial magnetometer operations at Point Beach State Park. Orientation varies. No scale.                    |
| 16    | 2 August 2021 | DJI_0064          | Aerial video (0:00:29) of Point Beach State Park. Orientation varies. No scale.                                                      |
| 17    | 2 August 2021 | DJI_0065          | Aerial video (0:00:25) of Point Beach State Park. Orientation faces north. No scale.                                                 |
| 18    | 2 August 2021 | DJI_0066          | Aerial video (0:00:14) of Point Beach State Park. Orientation varies. No scale.                                                      |

| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                   | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>2</u> of <u>5</u></b>                                                                 | <b>Camera Make/Model:</b><br>DJI Air2S<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 19                                                                                                                                        | 2 August 2021 | DJI_0067          | Aerial video (0:00:36) of Point Beach State Park. Orientation faces south. No scale.                                                       |                                                              |
| 20                                                                                                                                        | 2 August 2021 | DJI_0068-DJI_0070 | Aerial photographs of aerial magnetometer operations off Point Beach State Park. Orientation varies. Drone is 5m in height.                |                                                              |
| 21                                                                                                                                        | 2 August 2021 | DJI_0071          | Aerial video (0:00:23) of Point Beach State Park. Orientation faces south. No scale.                                                       |                                                              |
| 22                                                                                                                                        | 3 August 2021 | DJI_0072          | Aerial video (0:03:17) of a bulk freighter on Lake Michigan. Orientation varies. No scale.                                                 |                                                              |
| 23                                                                                                                                        | 3 August 2021 | DJI_0073          | Aerial video (0:01:24) of a bulk freighter on Lake Michigan. Orientation varies. No scale.                                                 |                                                              |
| 24                                                                                                                                        | 3 August 2021 | DJI_0074-DJI_0078 | Aerial photographs of Great Lakes bulk freighters in Wisconsin Shipwreck Coast NMS. No scale.                                              |                                                              |
| 25                                                                                                                                        | 3 August 2021 | DJI_0079          | Aerial video (0:00:37) of a bulk freighter on Lake Michigan. Orientation varies. No scale.                                                 |                                                              |
| 26                                                                                                                                        | 4 August 2021 | DJI_0080          | Aerial video (0:01:58) of Point Beach State Park. Orientation varies. No scale.                                                            |                                                              |
| 27                                                                                                                                        | 4 August 2021 | DJI_0081          | Aerial video (0:00:48) of Point Beach State Park. Orientation varies. No scale.                                                            |                                                              |
| 28                                                                                                                                        | 4 August 2021 | DJI_0082          | Aerial video (0:00:34) of Point Beach State Park. Orientation varies. No scale.                                                            |                                                              |
| 29                                                                                                                                        | 4 August 2021 | DJI_0083          | Aerial video (0:00:34) of aerial magnetometer shore station in Point Beach State Park. Orientation varies. No scale.                       |                                                              |
| 30                                                                                                                                        | 4 August 2021 | DJI_0084-DJI_0085 | Aerial photograph of aerial magnetometer shore station in Point Beach State Park. Blue tent measure 10 x 10 feet.                          |                                                              |
| 31                                                                                                                                        | 4 August 2021 | DJI_0086          | Aerial video (0:00:24) of aerial magnetometer shore station in Point Beach State Park. Orientation varies. Blue tent measure 10 x 10 feet. |                                                              |
| 32                                                                                                                                        | 4 August 2021 | DJI_0087          | Aerial video (0:00:44) of aerial magnetometer shore station in Point Beach State Park. Orientation varies. Blue tent measure 10 x 10 feet. |                                                              |
| 33                                                                                                                                        | 7 August 2021 | DJI_0088          | Aerial video (0:00:42) of outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.              |                                                              |
| 34                                                                                                                                        | 7 August 2021 | DJI_0089          | Aerial video (0:00:25) of outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.              |                                                              |
| 35                                                                                                                                        | 7 August 2021 | DJI_0090          | Aerial video (0:00:40) of outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.              |                                                              |
| 36                                                                                                                                        | 7 August 2021 | DJI_0091          | Aerial video (0:00:47) of outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.              |                                                              |
| 37                                                                                                                                        | 7 August 2021 | DJI_0092          | Aerial video (0:00:39) of outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.              |                                                              |

|                                                                                                                                           |               |                       |                                                                                                                                                         |                                                              |
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| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>3</u> of <u>5</u></b>                                                                              | <b>Camera Make/Model:</b><br>DJI Air2S<br><br><b>Serial:</b> |
| 38                                                                                                                                        | 7 August 2021 | DJI_0093              | Aerial video (0:00:26) of outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.                           |                                                              |
| 39                                                                                                                                        | 7 August 2021 | DJI_0094              | Aerial video (0:02:16) of outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.                           |                                                              |
| 40                                                                                                                                        | 7 August 2021 | DJI_0095              | Aerial video (0:01:03) of outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.                           |                                                              |
| 41                                                                                                                                        | 7 August 2021 | DJI_0096-<br>DJI_0103 | Aerial photographs of the outreach day at the Two Rivers Coast Guard Station. Orientation varies. Blue tent measures approx. 10x10 feet.                |                                                              |
| 42                                                                                                                                        | 7 August 2021 | DJI_0104              | Aerial video (0:00:33) of C-Worker 8 ASV at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.         |                                                              |
| 43                                                                                                                                        | 7 August 2021 | DJI_0105              | Aerial video (0:00:14) of C-Worker 8 ASV at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.         |                                                              |
| 44                                                                                                                                        | 7 August 2021 | DJI_0106              | Aerial video (0:00:06) of C-Worker 8 ASV at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.         |                                                              |
| 45                                                                                                                                        | 7 August 2021 | DJI_0107              | Aerial video (0:00:27) of C-Worker 8 ASV at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.         |                                                              |
| 46                                                                                                                                        | 7 August 2021 | DJI_0108              | Aerial video (0:00:52) of C-Worker 8 ASV at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.         |                                                              |
| 47                                                                                                                                        | 7 August 2021 | DJI_0109              | Aerial video (0:00:27) of C-Worker 8 ASV at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.         |                                                              |
| 48                                                                                                                                        | 7 August 2021 | DJI_0110              | Aerial video (0:00:33) of C-Worker 8 ASV at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.         |                                                              |
| 49                                                                                                                                        | 7 August 2021 | DJI_0111              | Aerial video (0:00:49) of C-Worker 8 ASV at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.         |                                                              |
| 50                                                                                                                                        | 7 August 2021 | DJI_0112-<br>DJI_0113 | Aerial photographs of the C-Worker 8 ASV and NOAA small boat transiting out of Two Rivers. Photos face southeast. Each vessel measures approx. 28 feet. |                                                              |
| 51                                                                                                                                        | 7 August 2021 | DJI_0114              | Aerial video (0:00:23) of NOAA small boat at outreach day at Two Rivers Coast Guard Station. Orientation varies. Blue tent measure 10 x 10 feet.        |                                                              |
| 52                                                                                                                                        | 9 August 2021 | DJI_0115              | Aerial video (0:00:22) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.                 |                                                              |

| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                       | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>4</u> of <u>5</u></b>                                                                  | <b>Camera Make/Model:</b><br>DJI Air2S<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 53                                                                                                                                        | 9 August 2021 | DJI_0116              | Aerial video (0:00:07) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 54                                                                                                                                        | 9 August 2021 | DJI_0117              | Aerial video (0:00:51) of Rawley Point Lighthouse in Point Beach State Park. Orientation faces west. Lighthouse measures 111 ft. in height. |                                                              |
| 55                                                                                                                                        | 9 August 2021 | DJI_0118              | Aerial video (0:00:59) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 56                                                                                                                                        | 9 August 2021 | DJI_0119              | Aerial video (0:00:28) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 57                                                                                                                                        | 9 August 2021 | DJI_0120              | Aerial video (0:00:53) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 58                                                                                                                                        | 9 August 2021 | DJI_0121-<br>DJI_0122 | Aerial photographs of the Rawley Point lighthouse. Orientation varies. Lighthouse is 111 ft. in height.                                     |                                                              |
| 59                                                                                                                                        | 9 August 2021 | DJI_0123              | Aerial video (0:00:22) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 60                                                                                                                                        | 9 August 2021 | DJI_0124              | Aerial video (0:00:46) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 61                                                                                                                                        | 9 August 2021 | DJI_0125              | Aerial video (0:00:22) of Rawley Point Lighthouse in Point Beach State Park. Orientation faces west. Lighthouse measures 111 ft. in height. |                                                              |
| 62                                                                                                                                        | 9 August 2021 | DJI_0126-<br>DJI_0128 | Aerial photographs of the Rawley Point lighthouse. Orientation varies. Lighthouse is 111 ft. in height.                                     |                                                              |
| 63                                                                                                                                        | 9 August 2021 | DJI_0129              | Aerial video (0:00:56) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 64                                                                                                                                        | 9 August 2021 | DJI_0130              | Aerial video (0:00:59) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 65                                                                                                                                        | 9 August 2021 | DJI_0131              | Aerial video (0:00:35) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 66                                                                                                                                        | 9 August 2021 | DJI_0132-<br>DJI_0149 | Aerial photographs of the Rawley Point lighthouse. Orientation varies. Lighthouse is 111 ft. in height.                                     |                                                              |
| 67                                                                                                                                        | 9 August 2021 | DJI_0150              | Aerial video (0:00:37) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |
| 68                                                                                                                                        | 9 August 2021 | DJI_0151              | Aerial video (0:00:22) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.     |                                                              |

| <b>NOAA Maritime Heritage Program</b><br>Office of National Marine Sanctuaries<br><br>Project: <u>OER21 Great Lakes Survey, Wisconsin</u> |               |                      | <b>Photographer:</b><br>John Cline<br><br><b>Page <u>5</u> of <u>5</u></b>                                                                       | <b>Camera Make/Model:</b><br>DJI Air2S<br><br><b>Serial:</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| 69                                                                                                                                        | 9 August 2021 | DJI_0152             | Aerial video (0:00:47) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.          |                                                              |
| 70                                                                                                                                        | 9 August 2021 | DJI_0153             | Aerial video (0:00:46) of Point Beach State Park. Orientation faces east. No scale.                                                              |                                                              |
| 71                                                                                                                                        | 9 August 2021 | DJI_0154             | Aerial video (0:00:34) of Point Beach State Park. Orientation faces east. No scale.                                                              |                                                              |
| 72                                                                                                                                        | 9 August 2021 | DJI_0155             | Aerial video (0:00:05) offshore Point Beach State Park. Orientation faces east. No scale.                                                        |                                                              |
| 73                                                                                                                                        | 9 August 2021 | DJI_0156             | Aerial photograph of the Rawley Point lighthouse. Orientation varies. Lighthouse is 111 ft. in height.                                           |                                                              |
| 74                                                                                                                                        | 9 August 2021 | DJI_0157             | Aerial video (0:00:38) of Rawley Point Lighthouse in Point Beach State Park. Orientation faces west. Lighthouse measures 111 ft. in height.      |                                                              |
| 75                                                                                                                                        | 9 August 2021 | DJI_0158<br>DJI_0160 | Aerial photographs of the Rawley Point lighthouse. Orientation varies. Lighthouse is 111 ft. in height.                                          |                                                              |
| 76                                                                                                                                        | 9 August 2021 | DJI_0161             | Aerial video (0:00:34) offshore Point Beach State Park. Orientation varies. No scale.                                                            |                                                              |
| 77                                                                                                                                        | 9 August 2021 | DJI_0162             | Aerial video (0:00:20) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.          |                                                              |
| 78                                                                                                                                        | 9 August 2021 | DJI_0163<br>DJI_0165 | Aerial photographs of the Rawley Point lighthouse. Orientation varies. Lighthouse is 111 ft. in height.                                          |                                                              |
| 79                                                                                                                                        | 9 August 2021 | DJI_0166             | Aerial video (0:00:43) of Rawley Point Lighthouse in Point Beach State Park. Orientation varies. Lighthouse measures 111 ft. in height.          |                                                              |
| 80                                                                                                                                        | 9 August 2021 | DJI_0167<br>DJI_0172 | Aerial photographs of the Rawley Point lighthouse. Orientation varies. Lighthouse is 111 ft. in height.                                          |                                                              |
| 81                                                                                                                                        | 9 August 2021 | DJI_0173             | Aerial video (0:00:23) offshore Point Beach State Park. Orientation varies. No scale.                                                            |                                                              |
| 82                                                                                                                                        | 9 August 2021 | DJI_0174             | Aerial video (0:00:16) of Rawley Point Lighthouse in Point Beach State Park. Orientation faces northwest. Lighthouse measures 111 ft. in height. |                                                              |
| 83                                                                                                                                        | 9 August 2021 | DJI_0175<br>DJI_0181 | Aerial photographs of the Rawley Point lighthouse. Orientation varies. Lighthouse is 111 ft. in height.                                          |                                                              |
| 84                                                                                                                                        | 9 August 2021 | DJI_0182             | Aerial video (0:00:21) of Rawley Point Lighthouse in Point Beach State Park. Orientation faces northwest. Lighthouse measures 111 ft. in height. |                                                              |