

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|--------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Date | | | 04/02/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | | SIDI - Silt Displacement | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | | Flood | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | | B175 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | | |
| Sample ID | | 040218-SIDI-F-U | | | | | | | | | | | | 040218-SIDI-F-D | | | | | | | | | | | | | |
| Sample Time | | 11:01 | | | | | | | | | | | | 10:27 | | | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 43.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 96.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 108 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 92.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 158 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 112 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|------------------|--------|--------|----------|------|--------------|-----------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Date | | | 04/02/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | | JETT - Jetting | | | Comments | | | Ballard Jetting | | | | | | | | | | | | | | | | | | |
| Tide | | | Flood | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | | B175 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | | |
| Sample ID | | 040218-JETT-F-U | | | | | | | | | | | | 040218-JETT-F-D | | | | | | | | | | | | | |
| Sample Time | | 11:45 | | | | | | | | | | | | 11:18 | | | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 38.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 51.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 81.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 64 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 107 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 67 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| Survey Date | | 04/02/2018 | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|--------|----------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | Comments | | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B172 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | | |
| Sample ID | | 040218-DBRI-F-U | | | | | | | | | | | | 040218-DBRI-F-D | | | | | | | | | | | | | |
| Sample Time | | 12:37 | | | | | | | | | | | | 12:10 | | | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | - | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | - | 0.1 | | |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | | S | 92.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 83 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | | M | 75 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 97.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | | B | 139 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 109 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|----------|------|------|---------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/02/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | Comments | | | Weeks Jetting | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 040218-JETW-E-U | | | | | | | | | | | | 040218-JETW-E-D | | | | | | | | | | | |
| Sample Time | | 16:02 | | | | | | | | | | | | 15:39 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 26 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 105 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 44 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 52.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 67.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 67 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

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* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|--------|----------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/03/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B172 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 040318-DBRI-E-U | | | | | | | | | | | | 040318-DBRI-E-D | | | | | | | | | | | |
| Sample Time | | 08:53 | | | | | | | | | | | | 08:28 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | | S | 55.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 78 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | M | 76 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 131 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | B | 96 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 143 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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ND = Not Detected

| Survey Date | | 04/03/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|--------|----------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 450 ft ² | | | | | | | | | | | |
| Sample ID | | 040318-SIDI-E-U | | | | | | | | | | | | 040318-SIDI-E-D | | | | | | | | | | | |
| Sample Time | | 09:52 | | | | | | | | | | | | 09:09 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | | S | 41.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 84 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | M | 55 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 92.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | B | 60.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 109 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected within the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|----------|--------|--|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/03/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | Comments | | Weeks Jetting. Activity occurred at same time and location as Silt Displacemnt. Only one upcurrent/ambient sample collected for both activities. | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 040318-SIDI-E-U | | | | | | | | | | | | 040318-JETT-E-D | | | | | | | | | | | |
| Sample Time | | 09:52 | | | | | | | | | | | | 09:29 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | | S | 41.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 56 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | M | 55 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 72 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | B | 60.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 76.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

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| Survey Date | | 04/04/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|--------|----------|------|------|-----------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | Comments | | | Ballard Jetting | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B176 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 040418-JETB-E-U | | | | | | | | | | | | 040418-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 09:35 | | | | | | | | | | | | 09:09 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | | S | 44 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 59 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | M | 72.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 76 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | B | 90 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 70.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|-----------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | | 04/04/2018 | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | |
| Tide | | | Ebb | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | | B168 | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 040418-DBRI-E-U | | | | | | | | | | | | 040418-DBRI-E-D | | | | | | | | | | | |
| Sample Time | | 10:55 | | | | | | | | | | | | 10:33 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 53.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 46.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 38.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 63.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 40.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 93.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Date | | 04/05/2018 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B169 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | | |
| Sample ID | | 040518-DBRI-F-U | | | | | | | | | | | | 040518-DBRI-F-D | | | | | | | | | | | | | |
| Sample Time | | 16:02 | | | | | | | | | | | | 15:48 | | | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 54.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 56 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | | | |
| | B | 62 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 59 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|----------|------|------|---------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/06/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | Comments | | | Weeks Jetting | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 040618-JETW-E-U | | | | | | | | | | | | 040618-JETW-E-D | | | | | | | | | | | |
| Sample Time | | 11:55 | | | | | | | | | | | | 11:31 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 55.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 86 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 67 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 88 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 78 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 102 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|----|
| Survey Date | | 04/09/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B169 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 040918-DBRI-E-U | | | | | | | | | | | | 040918-DBRI-E-D | | | | | | | | | | | | |
| Sample Time | | 09:38 | | | | | | | | | | | | 09:22 | | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | |
| Analytical Result ⁴ | | S | 16 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 16.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | |
| | | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | | B | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 20 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| Survey Date | | 04/09/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|----------|--------|-----------------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | Comments | | Ballard Jetting | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 1000 ft ² | | | | | | | | | | | |
| Sample ID | | 040918-JETB-E-U | | | | | | | | | | | | 040918-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 10:25 | | | | | | | | | | | | 09:55 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | | S | 13.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 13.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | M | 19.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 19.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | B | 57.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 55 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close as practical to the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| Survey Date | | 04/10/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|--------|----------|------|------|-----------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | Comments | | | Ballard Jetting | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 041018-JETB-E-U | | | | | | | | | | | | 041018-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 09:35 | | | | | | | | | | | | 09:06 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | | S | 13.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 14 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | M | 16.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 30 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | B | 57.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 86 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|
| Survey Date | | 04/10/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B169 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 041018-DBRI-E-U | | | | | | | | | | | | 041018-DBRI-E-D | | | | | | | | | | | | |
| Sample Time | | 10:29 | | | | | | | | | | | | 10:00 | | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | |
| Analytical Result ⁴ | | S | 14.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 16.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | |
| | | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | | B | 14.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 14 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|--|------------------------------------|------------------|--------|--------|----------|------|--------------|-----------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | | 04/11/2018 | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | | JETT - Jetting | | | Comments | | | Ballard Jetting | | | | | | | | | | | | | | | | |
| Tide | | | Ebb | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | | B175 | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 1000 ft ² | | | | | | | | | | | |
| Sample ID | | 041118-JETB-E-U | | | | | | | | | | | | 041118-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 10:37 | | | | | | | | | | | | 10:05 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | | S | 12.4 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 11.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | M | 27.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 31.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | | B | 65.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 79 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to the edge of the 500 ft mixing zone as practical

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/11/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B169 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 041118-DBRI-E-U | | | | | | | | | | | | 041118-DBRI-E-D | | | | | | | | | | | |
| Sample Time | | 11:35 | | | | | | | | | | | | 11:18 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 12.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 11.4 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | B | 17.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 14 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|----------|------|------|------------------------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/11/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | Comments | | | Removal at Circular Caissons | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B189 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 120 ft ² | | | | | | | | | | | |
| Sample ID | | 041118-DBRC-E-U | | | | | | | | | | | | 041118-DBRC-E-D | | | | | | | | | | | |
| Sample Time | | 12:13 | | | | | | | | | | | | 12:00 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 18.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 64.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | B | 18.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 46.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close to the turbidity curtain as practicable

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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-- No detection limit or water quality standard

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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/11/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | | Comments | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B188 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 041118-SIDI-E-U | | | | | | | | | | | | 041118-SIDI-E-D | | | | | | | | | | | |
| Sample Time | | 15:19 | | | | | | | | | | | | 15:12 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | M | 15 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 17.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | |
| | B | NS | | | | | | | | | | | | NS | | | | | | | | | | | |

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

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| Survey Date | | 04/12/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | Comments | | | Ice Breaker | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B169 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 041218-DBRI-F-U | | | | | | | | | | | | 041218-DBRI-F-D | | | | | | | | | | | |
| Sample Time | | 09:27 | | | | | | | | | | | | 09:07 | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 10.6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 10.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 20 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 16.6 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 50.4 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 59.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

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² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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| Survey Date | | 04/12/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | | Comments | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 041218-JETB-E-U | | | | | | | | | | | | 041218-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 11:18 | | | | | | | | | | | | 10:53 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 10 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 13.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 18.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 33.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 63 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 57.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

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³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Date | | 04/12/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B188 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 041218-SIDI-E-U | | | | | | | | | | | | 041218-SIDI-E-D | | | | | | | | | | | | |
| Sample Time | | 11:45 | | | | | | | | | | | | 11:37 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | - | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | NS | | | | | | | | | | | | NS | | | | | | | | | | | | |
| | M | 52 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 24.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | |
| | B | NS | | | | | | | | | | | | NS | | | | | | | | | | | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| Survey Date | | 04/13/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 041318-JETB-F-U | | | | | | | | | | | | 041318-JETB-F-D | | | | | | | | | | | |
| Sample Time | | 10:42 | | | | | | | | | | | | 10:05 | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | - | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | - | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | - | - | - | - | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | - | - | - | - | 16 | 0.0006 |
| Analytical Result ⁴ | S | 10 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 12.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 28.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 30 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 52 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 77 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| Survey Date | | 04/18/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B170 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 041818-DBRI-F-U | | | | | | | | | | | | 041818-DBRI-F-D | | | | | | | | | | | | |
| Sample Time | | 10:17 | | | | | | | | | | | | 09:58 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | - | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | - | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | - | - | - | - | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | - | - | - | - | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 35.2 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 52.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | | |
| | B | 52.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 55.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| Survey Date | | 04/18/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | | Comments | | | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B172 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 041818-SIDI-F-U | | | | | | | | | | | | 041818-SIDI-F-D | | | | | | | | | | | |
| Sample Time | | 10:55 | | | | | | | | | | | | 10:28 | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | - | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | - | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | - | - | - | - | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | - | - | - | - | 16 | 0.0006 |
| Analytical Result ⁴ | S | 37 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 45.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 43 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 49.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 51.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 70.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| Survey Date | | 04/18/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|----------|------|--------------|---------------------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | Comments | | | Silt Displacement (Weeks) | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 675 ft ² | | | | | | | | | | | |
| Sample ID | | 041818-SIDW-F-U | | | | | | | | | | | | 041818-SIDW-F-D | | | | | | | | | | | |
| Sample Time | | 12:20 | | | | | | | | | | | | 11:55 | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 33.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 48.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 99 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 121 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 156 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 85.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected as close as practicable to the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| Survey Date | | 04/19/2018 | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B170 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | | |
| Sample ID | | 041918-DBRI-E-U | | | | | | | | | | | | 041918-DBRI-E-D | | | | | | | | | | | | | |
| Sample Time | | 09:01 | | | | | | | | | | | | 08:42 | | | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 51 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 96 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | |
| | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | | | |
| | B | 79.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 79 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | |

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| Survey Date | | 04/19/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------------------|------------------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | Comments | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B188 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | | |
| Distance to Source | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | | |
| Sample ID | 041918-JETB-E-U | | | | | | | | | | | | 041918-JETB-E-D | | | | | | | | | | | | | |
| Sample Time | 09:27 | | | | | | | | | | | | 09:18 | | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | NS | | | | | | | | | | | | NS | | | | | | | | | | | | |
| | M | 112 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 90.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | | |
| | B | NS | | | | | | | | | | | | NS | | | | | | | | | | | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| Survey Date | | 04/19/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|----------|------|------|---------------------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | Comments | | | Silt Displacement (Weeks) | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 041918-SIDW-E-U | | | | | | | | | | | | 041918-SIDW-E-D | | | | | | | | | | | |
| Sample Time | | 10:13 | | | | | | | | | | | | 09:45 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 39.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 49.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 46.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 68 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 60 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 74 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

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⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/20/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | | Comments | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B188 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 042018-JETB-E-U | | | | | | | | | | | | 042018-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 10:10 | | | | | | | | | | | | 10:01 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | M | 84 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 73.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | |
| | B | NS | | | | | | | | | | | | NS | | | | | | | | | | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| Survey Date | | 04/20/2018 | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|---------------------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | | Comments | | | Silt Displacement (Weeks) | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 042018-SIDI-E-U | | | | | | | | | | | | 042018-SIDI-E-D | | | | | | | | | | | |
| Sample Time | | 10:56 | | | | | | | | | | | | 10:31 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | 29 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 79 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | M | 89 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 96.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| | B | 105 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 104 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND |

Notes:

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² Samples collected at the edge of the 500 ft mixing zone

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ND = Not Detected

| Survey Date | | 04/23/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | Comments | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B170 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 042318-DBRI-E-U | | | | | | | | | | | | 042318-DBRI-E-D | | | | | | | | | | | | |
| Sample Time | | 09:58 | | | | | | | | | | | | 09:36 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 129 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 66 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | | |
| | B | 145 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 82 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

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² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

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-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

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NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Date | | 04/23/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B185 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 042318-SIDI-E-U | | | | | | | | | | | | 042318-SIDI-E-D | | | | | | | | | | | | |
| Sample Time | | 10:29 | | | | | | | | | | | | 10:18 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | NS | | | | | | | | | | | | NS | | | | | | | | | | | | |
| | M | 71.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 103 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | NS | | | | | | | | | | | | NS | | | | | | | | | | | | |

Notes:

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| Survey Date | | 04/24/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | Comments | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B170 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 042418-DBRI-E-U | | | | | | | | | | | | 042418-DBRI-E-D | | | | | | | | | | | | |
| Sample Time | | 08:40 | | | | | | | | | | | | 08:19 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 27 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 28.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 27.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 29 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 28 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 60.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

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| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/24/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | | Comments | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B186 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 042418-JETB-E-U | | | | | | | | | | | | 042418-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 14:04 | | | | | | | | | | | | 13:54 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | M | 51.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 68 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | |
| | B | NS | | | | | | | | | | | | NS | | | | | | | | | | | |

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| Survey Date | | 04/24/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | Comments | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 042418-SIDI-E-U | | | | | | | | | | | | 042418-SIDI-E-D | | | | | | | | | | | | |
| Sample Time | | 12:37 | | | | | | | | | | | | 12:11 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 28.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 35.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 89.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 57 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 51.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 86 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| Survey Date | | 04/25/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | Comments | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 042518-SIDI-E-U | | | | | | | | | | | | 042518-SIDI-E-D | | | | | | | | | | | | |
| Sample Time | | 10:19 | | | | | | | | | | | | 09:54 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 21 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 22.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 25.8 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 32.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 51.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 71.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| Survey Date | | 04/26/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B170 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 042618-DBRI-F-U | | | | | | | | | | | | 042618-DBRI-F-D | | | | | | | | | | | | |
| Sample Time | | 08:52 | | | | | | | | | | | | 08:30 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 23.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 24.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 25.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 53.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 108 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 81.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|--------|----------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/26/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | | Comments | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B186 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 042618-JETB-E-U | | | | | | | | | | | | 042618-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 14:08 | | | | | | | | | | | | 14:00 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | M | 51 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 70 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | |
| | B | NS | | | | | | | | | | | | NS | | | | | | | | | | | |

Notes: ¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| Survey Date | | 04/26/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B176 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 042618-SIDI-E-U | | | | | | | | | | | | 042618-SIDI-E-D | | | | | | | | | | | | |
| Sample Time | | 13:36 | | | | | | | | | | | | 13:02 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 23.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 28 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 44.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 51 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 66 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 96.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|---|------------------------------------|---------|--------|----------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|
| Survey Date | | 04/27/2018 | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | JETT - Jetting | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B186 | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | |
| Sample ID | | 042718-JETB-E-U | | | | | | | | | | | | 042718-JETB-E-D | | | | | | | | | | | |
| Sample Time | | 13:43 | | | | | | | | | | | | 13:35 | | | | | | | | | | | |
| Parameter | | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene |
| | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 |
| Analytical Result ⁴ | S | NS | | | | | | | | | | | | NS | | | | | | | | | | | |
| | M | 51.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 46.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | |
| | B | NS | | | | | | | | | | | | NS | | | | | | | | | | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.

| Survey Date | | 04/27/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B175 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 042718-SIDI-E-U | | | | | | | | | | | | 042718-SIDI-E-D | | | | | | | | | | | | |
| Sample Time | | 13:11 | | | | | | | | | | | | 12:49 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 32.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 27.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 39 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 54.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 38.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 76.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

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* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| Survey Date | | 04/30/2018 | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--|--|
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | DBRI - Debris Removal | | | | Comments | | | | | | | | | | | | | | | | | | | | |
| Tide | | Ebb | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B173 | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | |
| Sample ID | | 043018-DBRI-E-U | | | | | | | | | | | | 043018-DBRI-E-D | | | | | | | | | | | | |
| Sample Time | | 15:13 | | | | | | | | | | | | 14:50 | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | |
| Unit | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 49.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 62 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | 49.5 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 65 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | B | 57 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 51.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|------------------------|------------------------------------|--------|--------|------|----------|--------------|--------------|--------------|--------------|-------------|----------------|------------------------|---------------------|--------|--------|------|------|--------------|--------------|--------------|--------------|-------------|----------------|--------|--|--|
| Survey Date | | 04/30/2018 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Survey Type | | V - Vessel Based | | | | | | | | | | | | | | | | | | | | | | | | | |
| Construction Activity | | SIDI - Silt Displacement | | | | Comments | | | | | | | | | | | | | | | | | | | | | |
| Tide | | Flood | | | | | | | | | | | | | | | | | | | | | | | | | |
| Source Location | | B180 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Location | | Upcurrent (Ambient) | | | | | | | | | | | | Downcurrent | | | | | | | | | | | | | |
| Distance to Source | | Approx. 500 - 1000 ft ¹ | | | | | | | | | | | | 500 ft ² | | | | | | | | | | | | | |
| Sample ID | | 043018-SIDI-F-U | | | | | | | | | | | | 043018-SIDI-F-D | | | | | | | | | | | | | |
| Sample Time | | 10:19 | | | | | | | | | | | | 10:02 | | | | | | | | | | | | | |
| Parameter | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | Total Suspended Solids | Mercury | Nickel | Copper | Lead | Zinc | PCB | | | | Naphthalene | Benzo(a)pyrene | | | |
| | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | | | | | Aroclor 1242 | Aroclor 1248 | Aroclor 1254 | Aroclor 1260 | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit | | (ppm) | (ppb) | | | | | | | | | | | | (ppm) | (ppb) | | | | | | | | | | | |
| Detection Limit ³ | | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | Ambient + 100 | 0.07 | 3.7 | 2.6 | 1.8 | 5.6 | 0.2 | 0.2 | 0.2 | 0.2 | -- | 0.1 | | |
| Water Quality Standard ³ | | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | * | 0.0007 | 8.2 | 5.6 | 8.0 | 66 | -- | -- | -- | -- | 16 | 0.0006 | | |
| Analytical Result ⁴ | S | 48.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 96 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |
| | M | NS | | | | | | | | | | | | NS | | | | | | | | | | | | | |
| | B | 53.7 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 67 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | | |

Notes:

¹ Samples collected at a location up current of the source where the water quality effects of the project are no longer discernible

² Samples collected at the edge of the 500 ft mixing zone

³ Based on New York State Department of Environmental Conservation (NYSDEC) Permit Facility ID 3-9903-00043/00012-14

⁴ S = Near Surface, M = Mid-Depth, B = Near Bottom

-- No detection limit or water quality standard

* None from sewage, industrial waste or other wastes that will cause deposition or impair the waters for their best usages

ND = Not Detected

NS = Not Sampled due to water depth, pursuant to 8/6/13 modification to Condition 60 of NYSDEC Permit Facility ID 3-9903-00043/00012-14.