

AmeC's Water Sediment Sampling Program - Sediment Sept 17, 2018

| Sample Site | Sample Date | Sample Type | AGAT Work Order # | Laboratory Results | | | |
|-------------|-------------|-------------|-----------------------|---------------------------------|-----------------------------|----------------------|--------------------------|
| | | | | MethylMercury MDL = 0.4 ng/g | Total Mercury 0.05 mg/kg | Sulphide (%) 0.01 | Total Sulfur (%) 0.01 |
| 1 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | <0.01 | 0.01 |
| 2 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | <0.01 | <0.01 |
| 3 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | <0.01 | <0.01 |
| 4 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | <0.01 | 0.01 |
| 5 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | <0.01 | <0.01 |
| 6 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | <0.01 | 0.01 |
| 7 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | <0.01 | <0.01 |
| 8 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | 0.01 | 0.01 |
| 9 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | 0.01 | 0.03 |
| 10 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | 0.02 | 0.02 |
| 11 | 14-Oct-16 | Baseline | 16X148880 | <MDL | <0.05 | 0.05 | 0.07 |
| 1 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | <0.01 | <0.01 |
| 2 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | <0.01 | <0.01 |
| 3 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | <0.01 | <0.01 |
| 4 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | <0.01 | <0.01 |
| 5 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | <0.01 | <0.01 |
| 6 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | <0.01 | <0.01 |
| 7 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | <0.01 | <0.01 |
| 8 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | 0.01 | 0.01 |
| 9 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | <0.01 | 0.02 |
| 10 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | 0.02 | 0.02 |
| 11 | 16-Oct-16 | Baseline | 16X150835 / 16X149128 | <MDL | <0.05 | 0.02 | 0.06 |
| 1 | 5-Nov-16 | Baseline | 16X157359 | <MDL | <0.05 | 0.01 | 0.02 |
| 4 | 5-Nov-16 | Baseline | 16X157359 | <MDL | <0.05 | <0.01 | 0.01 |
| 5 | 5-Nov-16 | Baseline | 16X157359 | <MDL | <0.05 | 0.01 | 0.01 |
| 7 | 5-Nov-16 | Baseline | 16X157359 | <MDL | <0.05 | <0.01 | 0.01 |
| 8 | 5-Nov-16 | Baseline | 16X157359 | <MDL | <0.05 | 0.01 | 0.02 |
| 10 | 5-Nov-16 | Baseline | 16X157359 | <MDL | <0.05 | 0.02 | 0.04 |
| 11 | 5-Nov-16 | Baseline | 16X157359 | <MDL | <0.05 | 0.06 | 0.11 |
| 1 | 7-Nov-16 | Impoundment | 16X157937 | <MDL | <0.05 | <0.01 | 0.01 |
| 4 | 7-Nov-16 | Impoundment | 16X157937 | <MDL | <0.05 | <0.01 | <0.01 |
| 5 | 7-Nov-16 | Impoundment | 16X157937 | <MDL | <0.05 | <0.01 | <0.01 |
| 7 | 7-Nov-16 | Impoundment | 16X157937 | <MDL | <0.05 | <0.01 | <0.01 |
| 8 | 7-Nov-16 | Impoundment | 16X157937 | <MDL | <0.05 | 0.01 | 0.02 |
| 10 | 7-Nov-16 | Impoundment | 16X157937 | <MDL | <0.05 | 0.02 | 0.03 |
| 11 | 7-Nov-16 | Impoundment | 16X157937 | <MDL | <0.05 | 0.02 | 0.06 |
| 1 | 10-Nov-16 | Impoundment | 16X159468 | <MDL | | <0.01 | <0.01 |
| 4 | 10-Nov-16 | Impoundment | 16X159468 | <MDL | | <0.01 | <0.01 |
| 1 | 14-Nov-16 | Impoundment | 16X160266 | <MDL | <0.05 | <0.01 | 0.02 |
| 5 | 14-Nov-16 | Impoundment | 16X160266 | <MDL | <0.05 | <0.01 | 0.01 |
| 7 | 14-Nov-16 | Impoundment | 16X160266 | <MDL | <0.05 | <0.01 | 0.01 |
| 8 | 14-Nov-16 | Impoundment | 16X160266 | <MDL | <0.05 | 0.02 | 0.02 |
| 10 | 14-Nov-16 | Impoundment | 16X160266 | <MDL | <0.05 | 0.03 | 0.04 |
| 11 | 14-Nov-16 | Impoundment | 16X160266 | <MDL | <0.05 | 0.04 | 0.08 |
| 1 | 17-Nov-16 | Impoundment | 16X151644 | <MDL | <0.05 | <0.01 | <0.01 |
| 4 | 17-Nov-16 | Impoundment | 16X151644 | <MDL | <0.05 | <0.01 | <0.01 |
| 1 | 22-Nov-16 | Baseline | 16X163271 | <MDL | <0.05 | <0.01 | 0.02 |
| 4 | 22-Nov-16 | Baseline | 16X163271 | <MDL | <0.05 | <0.01 | 0.01 |
| 5 | 22-Nov-16 | Baseline | 16X163271 | <MDL | <0.05 | <0.01 | 0.01 |
| 7 | 22-Nov-16 | Baseline | 16X163271 | <MDL | <0.05 | <0.01 | <0.01 |
| 8 | 22-Nov-16 | Baseline | 16X163271 | <MDL | <0.05 | 0.01 | 0.01 |
| 10 | 22-Nov-16 | Baseline | 16X163271 | <MDL | <0.05 | 0.03 | 0.03 |
| 11 | 22-Nov-16 | Baseline | 16X163271 | <MDL | <0.05 | 0.01 | 0.03 |
| 1 | 24-Nov-16 | Baseline | 16X164162 | <MDL | <0.05 | <0.01 | <0.01 |
| 4 | 24-Nov-16 | Baseline | 16X164162 | <MDL | <0.05 | <0.01 | <0.01 |
| 5 | 24-Nov-16 | Baseline | 16X164162 | <MDL | <0.05 | <0.01 | 0.01 |
| 1 | 26-Nov-16 | Baseline | 16X164670 | <MDL | <0.05 | <0.01 | 0.02 |
| 4 | 26-Nov-16 | Baseline | 16X164670 | <MDL | <0.05 | <0.01 | 0.01 |
| 5 | 26-Nov-16 | Baseline | 16X164670 | <MDL | <0.05 | <0.01 | 0.01 |
| 7 | 26-Nov-16 | Baseline | 16X164670 | <MDL | <0.05 | <0.01 | 0.01 |
| 8 | 26-Nov-16 | Baseline | 16X164670 | <MDL | <0.05 | 0.02 | 0.02 |
| 10 | 26-Nov-16 | Baseline | 16X164670 | <MDL | <0.05 | 0.02 | 0.03 |
| 11 | 26-Nov-16 | Baseline | 16X164670 | <MDL | <0.05 | 0.03 | 0.06 |
| 1 | 2-Dec-16 | Baseline | 16X166781 | <MDL | <0.05 | <0.01 | 0.01 |
| 11 | 11-Dec-16 | Baseline | 16X169939 | <MDL | <0.05 | 0.04 | 0.06 |
| N1 | 7-Jun-17 | Impoundment | 17X223684 | <MDL | <0.05 | <0.01 | 0.01 |
| N13 | 7-Jun-17 | Impoundment | 17X223684 | <MDL | <0.05 | 0.07 | 0.11 |
| N5 | 7-Jun-17 | Impoundment | 17X223684 | <MDL | <0.05 | <0.01 | 0.01 |
| N6 | 7-Jun-17 | Impoundment | 17X223684 | <MDL | <0.05 | 0.01 | 0.02 |
| N7 | 7-Jun-17 | Impoundment | 17X223684 | <MDL | <0.05 | 0.01 | 0.01 |
| N1 | 14-Jun-17 | Impoundment | 17X226322 | <MDL | <0.05 | <0.01 | 0.01 |

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|-------------|-------------|-------------|-------------------|---------------------------------|-----------------------------|----------------------|--------------------------|
| | | | | MethylMercury MDL = 0.4 ng/g | Total Mercury 0.05 mg/kg | Sulphide (%) 0.01 | Total Sulfur (%) 0.01 |
| RDL | | | | | | | |
| N13 | 14-Jun-17 | Impoundment | 17X226322 | <MDL | <0.05 | 0.05 | 0.08 |
| N5 | 14-Jun-17 | Impoundment | 17X226322 | <MDL | <0.05 | <0.01 | 0.01 |
| N6 | 14-Jun-17 | Impoundment | 17X226322 | <MDL | <0.05 | <0.01 | <0.01 |
| N7 | 14-Jun-17 | Impoundment | 17X226322 | <MDL | <0.05 | <0.01 | <0.01 |
| N1 | 21-Jun-17 | Impoundment | 17X228910 | <MDL | <0.05 | <0.01 | 0.01 |
| N6 | 21-Jun-17 | Impoundment | 17X228910 | <MDL | <0.05 | 0.01 | 0.02 |
| N7 | 21-Jun-17 | Impoundment | 17X228910 | <MDL | <0.05 | <0.01 | 0.01 |
| N5 | 22-Jun-17 | Impoundment | 17X229463 | <MDL | <0.05 | <0.01 | <0.01 |
| N1 | 28-Jun-17 | Impoundment | 17X231355 | <MDL | <0.05 | <0.01 | <0.01 |
| N13 | 28-Jun-17 | Impoundment | 17X231355 | <MDL | <0.05 | 0.06 | 0.09 |
| N5 | 28-Jun-17 | Impoundment | 17X231355 | <MDL | <0.05 | <0.01 | <0.01 |
| N6 | 28-Jun-17 | Impoundment | 17X231355 | <MDL | <0.05 | <0.01 | <0.01 |
| N7 | 28-Jun-17 | Impoundment | 17X231355 | <MDL | <0.05 | <0.01 | <0.01 |
| N13 | 5-Jul-17 | Impoundment | 17X233758 | <MDL | <0.05 | 0.13 | 0.15 |
| N5 | 5-Jul-17 | Impoundment | 17X233758 | <MDL | <0.05 | 0.04 | 0.05 |
| N6 | 5-Jul-17 | Impoundment | 17X233758 | <MDL | <0.05 | 0.05 | 0.05 |
| N7 | 5-Jul-17 | Impoundment | 17X233758 | <MDL | <0.05 | 0.05 | 0.05 |
| N1 | 6-Jul-17 | Impoundment | 17X234302 | <MDL | <0.05 | 0.05 | 0.05 |
| N1 | 10-Jul-17 | Impoundment | 17X235481 | <MDL | <0.05 | 0.02 | 0.03 |
| N13 | 10-Jul-17 | Impoundment | 17X235481 | <MDL | <0.05 | 0.08 | 0.11 |
| N5 | 10-Jul-17 | Impoundment | 17X235481 | <MDL | <0.05 | 0.03 | 0.03 |
| N6 | 10-Jul-17 | Impoundment | 17X235481 | <MDL | <0.05 | 0.01 | 0.02 |
| N7 | 10-Jul-17 | Impoundment | 17X235481 | <MDL | <0.05 | 0.02 | 0.02 |
| N1 | 19-Jul-17 | Impoundment | 17X239306 | <MDL | <0.05 | 0.01 | 0.01 |
| N13 | 19-Jul-17 | Impoundment | 17X239306 | <MDL | <0.05 | <0.01 | 0.02 |
| N5 | 19-Jul-17 | Impoundment | 17X239306 | <MDL | <0.05 | 0.02 | 0.02 |
| N6 | 19-Jul-17 | Impoundment | 17X239306 | <MDL | <0.05 | 0.01 | 0.01 |
| N7 | 19-Jul-17 | Impoundment | 17X239306 | <MDL | <0.05 | 0.42 | 0.42 |
| N1 | 26-Jul-17 | Impoundment | 17X242132 | <MDL | <0.05 | <0.01 | <0.01 |
| N6 | 26-Jul-17 | Impoundment | 17X242132 | <MDL | <0.05 | 0.02 | 0.02 |
| N13 | 27-Jul-17 | Impoundment | 17X242547 | <MDL | <0.05 | 0.04 | 0.08 |
| N5 | 27-Jul-17 | Impoundment | 17X242547 | <MDL | <0.05 | <0.01 | <0.01 |
| N7 | 27-Jul-17 | Impoundment | 17X242547 | <MDL | <0.05 | 0.01 | 0.01 |
| N1 | 2-Aug-17 | Impoundment | 17X245211 | <MDL | <0.05 | 0.01 | 0.01 |
| N5 | 2-Aug-17 | Impoundment | 17X245211 | <MDL | <0.05 | 0.01 | 0.01 |
| N6 | 2-Aug-17 | Impoundment | 17X245211 | <MDL | <0.05 | 0.02 | 0.02 |
| N7 | 2-Aug-17 | Impoundment | 17X245211 | <MDL | <0.05 | 0.01 | 0.01 |
| N13 | 2-Aug-17 | Impoundment | 17X245211 | <MDL | <0.05 | 0.58 | 0.61 |
| N1 | 7-Aug-17 | Impoundment | 17X246258 | <MDL | <0.05 | 0.01 | 0.01 |
| N13 | 7-Aug-17 | Impoundment | 17X246258 | <MDL | <0.05 | 0.04 | 0.07 |
| N5 | 7-Aug-17 | Impoundment | 17X246258 | <MDL | <0.05 | 0.01 | 0.01 |
| N6 | 7-Aug-17 | Impoundment | 17X246258 | <MDL | <0.05 | <0.01 | 0.01 |
| N7 | 7-Aug-17 | Impoundment | 17X246258 | <MDL | <0.05 | 0.01 | 0.01 |
| N1 | 18-Aug-17 | Impoundment | 17X250327 | <MDL | <0.05 | <0.01 | 0.01 |
| N13 | 18-Aug-17 | Impoundment | 17X250327 | <MDL | <0.05 | <0.01 | 0.01 |
| N5 | 18-Aug-17 | Impoundment | 17X250327 | <MDL | <0.05 | <0.01 | 0.01 |
| N6 | 18-Aug-17 | Impoundment | 17X250327 | <MDL | <0.05 | <0.01 | 0.01 |
| N7 | 18-Aug-17 | Impoundment | 17X250327 | <MDL | <0.05 | 0.08 | 0.10 |
| N1 | 21-Aug-17 | Impoundment | 17X252151 | <MDL | | | |
| N5 | 21-Aug-17 | Impoundment | 17X252151 | <MDL | | | |
| N6 | 21-Aug-17 | Impoundment | 17X252151 | <MDL | | | |
| N7 | 21-Aug-17 | Impoundment | 17X252151 | <MDL | | | |
| N1 | 31-Aug-17 | Impoundment | 17X255543 | <MDL | <0.05 | <0.01 | 0.01 |
| N5 | 31-Aug-17 | Impoundment | 17X255543 | <MDL | <0.05 | 0.01 | 0.02 |
| N6 | 31-Aug-17 | Impoundment | 17X255543 | <MDL | <0.05 | 0.01 | 0.01 |
| N7 | 31-Aug-17 | Impoundment | 17X255543 | <MDL | <0.05 | <0.01 | 0.01 |
| N13 | 31-Aug-17 | Impoundment | 17X255543 | 0.69 | <0.05 | 0.37 | 0.41 |
| N1 | 8-Sep-17 | Impoundment | 17X258240 | <MDL | <0.05 | <0.01 | <0.01 |
| N6 | 8-Sep-17 | Impoundment | 17X258240 | <MDL | <0.05 | <0.01 | 0.01 |
| N1 | 14-Sep-17 | Impoundment | 17X260750 | <MDL | <0.05 | <0.01 | 0.01 |
| N5 | 14-Sep-17 | Impoundment | 17X260750 | <MDL | <0.05 | 0.01 | 0.01 |
| N6 | 14-Sep-17 | Impoundment | 17X260750 | <MDL | <0.05 | 0.01 | 0.01 |
| N7 | 14-Sep-17 | Impoundment | 17X260750 | <MDL | <0.05 | 0.02 | 0.02 |
| N1 | 21-Sep-17 | Impoundment | 17X263073 | <MDL | <0.05 | 0.01 | 0.01 |
| N5 | 21-Sep-17 | Impoundment | 17X263073 | <MDL | <0.05 | 0.02 | 0.02 |
| N6 | 21-Sep-17 | Impoundment | 17X263073 | <MDL | <0.05 | 0.01 | 0.01 |
| N7 | 21-Sep-17 | Impoundment | 17X263073 | <MDL | <0.05 | 0.01 | 0.01 |
| N13 | 22-Sep-17 | Impoundment | 17X263720 | <MDL | <0.05 | 0.25 | 0.35 |
| N6 | 27-Sep-17 | Impoundment | 17X265126 | <MDL | | | |
| N13 | 27-Sep-17 | Impoundment | 17X265126 | <MDL | | | |
| N1 | 28-Sep-17 | Impoundment | 17X265685 | <MDL | | | |

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|-------------|-------------|-------------|-------------------|---------------------------------|-----------------------------|----------------------|--------------------------|
| | | | | MethylMercury MDL = 0.4 ng/g | Total Mercury 0.05 mg/kg | Sulphide (%) 0.01 | Total Sulfur (%) 0.01 |
| | | | RDL | | | | |
| N5 | 28-Sep-17 | Impoundment | 17X265685 | <MDL | | | |
| N7 | 28-Sep-17 | Impoundment | 17X265685 | <MDL | | | |
| N1 | 5-Oct-17 | Impoundment | 17X268710 | <MDL | <0.05 | 0.01 | 0.01 |
| N5 | 5-Oct-17 | Impoundment | 17X268710 | <MDL | <0.05 | 0.01 | 0.01 |
| N6 | 5-Oct-17 | Impoundment | 17X268710 | <MDL | <0.05 | <0.01 | <0.01 |
| N7 | 5-Oct-17 | Impoundment | 17X268710 | <MDL | <0.05 | <0.01 | <0.01 |
| N13 | 5-Oct-17 | Impoundment | 17X268710 | <MDL | <0.05 | 0.02 | 0.04 |
| N1 | 11-Oct-17 | Impoundment | 17X270356 | <MDL | | | |
| N5 | 11-Oct-17 | Impoundment | 17X270356 | <MDL | | | |
| N6 | 11-Oct-17 | Impoundment | 17X270356 | <MDL | | | |
| N7 | 11-Oct-17 | Impoundment | 17X270356 | <MDL | | | |
| N13 | 11-Oct-17 | Impoundment | 17X270356 | <MDL | | | |
| N1 | 17-Oct-17 | Impoundment | 17X273328 | <MDL | | | |
| N5 | 17-Oct-17 | Impoundment | 17X273328 | <MDL | | | |
| N6 | 17-Oct-17 | Impoundment | 17X273328 | <MDL | | | |
| N7 | 17-Oct-17 | Impoundment | 17X273328 | <MDL | | | |
| N13 | 17-Oct-17 | Impoundment | 17X273328 | <MDL | | | |