

Appendix J

**Volume and Quality of Leachate
Removed from the Facility**

Appendix J.1

Leachate Quality Data

Leachate Quality Data - Organics
2021 Annual Monitoring Report
GFL Environmental Stoney Creek Regional Facility
Stoney Creek, Ontario

| Sample Location: Sample ID: Sample Date: | | EQ LEACH EQ LEACH 3/3/2021 | EQ LEACH EQ LEACH 6/11/2021 | EQ LEACH EQ LEACH 9/20/2021 | EQ LEACH EQ LEACH 11/10/2021 |
|---|-------|----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| Parameters | Units | | | | |
| Volatiles | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| 1,1,1-Trichloroethane | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| 1,1,2,2-Tetrachloroethane | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| 1,1,2-Trichloroethane | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| 1,1-Dichloroethane | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| 1,1-Dichloroethene | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| 1,2-Dibromoethane (Ethylene dibromide) | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| 1,2-Dichlorobenzene | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| 1,2-Dichloroethane | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| 1,2-Dichloropropane | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| 1,3-Dichlorobenzene | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| 1,4-Dichlorobenzene | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| 2-Butanone (Methyl ethyl ketone) (MEK) | ug/L | 790 | ND (500) | 1700 | ND (250) |
| 4-Methyl-2-pentanone (Methyl isobutyl ketone) (MII) | ug/L | ND (250) | ND (500) | 370 | ND (250) |
| Acetone | ug/L | 2100 | ND (1000) | 4800 | ND (500) |
| Acrolein | ug/L | ND (500) | ND (1000) | ND (500) | ND (500) |
| Acrylonitrile | ug/L | ND (250) | ND (500) | ND (250) | ND (250) |
| Benzene | ug/L | 13 | 14 | 12 | 9.5 |
| Bromodichloromethane | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| Bromoform | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| Bromomethane (Methyl bromide) | ug/L | ND (25) | ND (50) | ND (25) | ND (25) |
| Carbon tetrachloride | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| Chlorobenzene | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| Chloroform (Trichloromethane) | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| Chloromethane (Methyl chloride) | ug/L | ND (25) | ND (50) | ND (25) | ND (25) |
| cis-1,2-Dichloroethene | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| cis-1,3-Dichloropropene | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| Dibromochloromethane | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| Ethylbenzene | ug/L | 29 | 34 | 26 | 20 |
| m&p-Xylenes | ug/L | 45 | 54 | 40 | 29 |
| Methyl tert butyl ether (MTBE) | ug/L | 18 | 22 | 20 | 11 |
| Methylene chloride | ug/L | ND (25) | ND (50) | ND (25) | ND (25) |
| o-Xylene | ug/L | 23 | 28 | 20 | 14 |
| Styrene | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| Tetrachloroethene | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| Toluene | ug/L | 210 | 270 | 190 | 120 |
| trans-1,2-Dichloroethene | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| trans-1,3-Dichloropropene | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| Trichloroethene | ug/L | ND (5.0) | ND (10) | ND (5.0) | ND (5.0) |
| Trichlorofluoromethane (CFC-11) | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| Vinyl chloride | ug/L | ND (10) | ND (20) | ND (10) | ND (10) |
| Xylenes (total) | ug/L | 68 | 81 | 61 | 43 |
| Semi-Volatiles | | | | | |
| 1,2,3,4-Tetrachlorobenzene | ug/L | ND (0.040) | ND (0.10) | ND (0.010) | ND (0.10) |
| 1,2,3,5-Tetrachlorobenzene | ug/L | ND (0.040) | ND (0.10) | ND (0.010) | ND (0.10) |
| 1,2,3-Trichlorobenzene | ug/L | ND (0.040) | ND (0.10) | ND (0.010) | ND (0.10) |
| 1,2,4,5-Tetrachlorobenzene | ug/L | ND (0.040) | ND (0.10) | ND (0.010) | ND (0.10) |
| 1,2,4-Trichlorobenzene | ug/L | ND (0.040) | ND (0.10) | ND (0.010) | ND (0.10) |
| 1,2-Chlorodehydroabietic acid | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| 1,4-Chlorodehydroabietic acid | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| /14-Dichlorodehydroabietic acid | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| 1-Chloronaphthalene | ug/L | ND (10) | ND (40) | ND (10) | ND (100) |
| 1H-Indole | ug/L | ND (10) | ND (40) | ND (13) | ND (100) |
| 1-Methylnaphthalene | ug/L | 2.1 | ND (8.0) | ND (2.0) | ND (20) |
| 2,2'-Oxybis(2-chloropropane) (bis(2-Chloroisopropyl)) | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,3,4,5-Tetrachlorophenol | ug/L | ND (4.0) | ND (16) | ND (4.0) | ND (40) |
| 2,3,4,6-Tetrachlorophenol | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,3,4-Trichlorophenol | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,3,5,6-Tetrachlorophenol | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,3,5-Trichlorophenol | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,4,5-Trichlorophenol | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,4,5-Trichlorotoluene | ug/L | ND (0.040) | ND (0.10) | ND (0.010) | ND (0.10) |
| 2,4,6-Trichlorophenol | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,4-Dichlorophenol | ug/L | ND (3.0) | ND (12) | ND (3.0) | ND (30) |
| 2,4-Dimethylphenol | ug/L | ND (5.0) | 57 | 58 | ND (50) |
| 2,4-Dinitrophenol | ug/L | ND (50) | ND (80) | ND (20) | ND (200) |
| 2,4-Dinitrotoluene | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,6-Dichlorophenol | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2,6-Dinitrotoluene | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2-Chloronaphthalene | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 2-Chlorophenol | ug/L | ND (3.0) | ND (12) | ND (3.0) | ND (30) |
| 2-Methylnaphthalene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| 2-Methylphenol | ug/L | 22 | 26 | 26 | ND (50) |
| 3&4-Methylphenol | ug/L | 110 | 140 | 240 | 64 |
| 4,6-Dinitro-2-methylphenol | ug/L | ND (20) | ND (80) | ND (20) | ND (200) |
| 4-Bromophenyl phenyl ether | ug/L | ND (3.0) | ND (12) | ND (3.0) | ND (30) |
| 4-Chloro-3-methylphenol | ug/L | ND (5.0) | ND (40) | ND (5.0) | ND (50) |
| 4-Chlorophenyl phenyl ether | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| 4-Nitrophenol | ug/L | ND (14) | ND (56) | ND (14) | ND (140) |
| 5-Nitroacenaphthene | ug/L | ND (10) | ND (40) | ND (10) | ND (100) |
| 9,10-Dichlorostearic acid | ug/L | ND (3.0) | ND (16) | ND (9.1) | ND (10) |
| 9-Hexadecanoic acid | ug/L | ND (3.0) | ND (10) | ND (3.0) | ND (10) |
| Abietic Acid | ug/L | ND (5.0) | ND (5.0) | ND (5.0) | ND (10) |
| Acenaphthene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Acenaphthylene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Anthracene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Benzo(a)anthracene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Benzo(a)pyrene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Benzo(b)fluoranthene/Benzo(j)fluoranthene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Benzo(g,h,i)perylene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Benzo(k)fluoranthene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |

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2021 Annual Monitoring Report
GFL Environmental Stoney Creek Regional Facility
Stoney Creek, Ontario

| Sample Location: Sample ID: Sample Date: | | EQ LEACH EQ LEACH 3/3/2021 | EQ LEACH EQ LEACH 6/11/2021 | EQ LEACH EQ LEACH 9/20/2021 | EQ LEACH EQ LEACH 11/10/2021 |
|--|--------------|----------------------------------|-----------------------------------|-----------------------------------|------------------------------------|
| Parameters | Units | | | | |
| Biphenyl (1,1-Biphenyl) | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| bis(2-Chloroethoxy)methane | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| bis(2-Chloroethyl)ether | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| bis(2-Ethylhexyl)phthalate (DEHP) | ug/L | ND (20) | ND (80) | ND (20) | ND (200) |
| Butyl benzylphthalate (BBP) | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| Camphene | ug/L | ND (10) | ND (40) | ND (10) | ND (100) |
| Chrysene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Dehydroabietic acid | ug/L | 120 | 160 | 93 | 140 |
| Dibenz(a,h)anthracene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Di-n-butylphthalate (DBP) | ug/L | ND (20) | ND (80) | ND (20) | ND (200) |
| Di-n-octyl phthalate (DnOP) | ug/L | ND (8.0) | ND (32) | ND (8.0) | ND (80) |
| Diphenyl ether | ug/L | ND (3.0) | ND (12) | ND (5.0) | ND (30) |
| Fluoranthene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Fluorene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Hexachlorobenzene | ug/L | ND (0.040) | ND (0.10) | ND (0.0050) | ND (0.050) |
| Hexachlorobutadiene | ug/L | ND (0.0090) | ND (0.090) | ND (0.0090) | ND (0.090) |
| Hexachlorocyclopentadiene | ug/L | ND (0.025) | ND (0.25) | ND (0.025) | ND (0.25) |
| Hexachloroethane | ug/L | ND (0.010) | ND (0.10) | ND (0.010) | ND (0.10) |
| Hexadecanoic acid | ug/L | 19 | ND (30) | 45 | ND (30) |
| Indeno(1,2,3-cd)pyrene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Isopimaric acid | ug/L | ND (3.0) | 4.3 | ND (3.0) | ND (10) |
| Levopimaric acid | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| Linoleic acid | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| Linoleic acid A | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| Naphthalene | ug/L | 21 | ND (18) | ND (16) | 23 |
| Neobietic acid | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| Nitrosodiphenylamine/Diphenylamine | ug/L | ND (10) | ND (40) | ND (10) | ND (100) |
| N-Nitrosodi-n-propylamine | ug/L | ND (5.0) | ND (20) | ND (5.0) | ND (50) |
| Octachlorostyrene | ug/L | ND (0.040) | ND (0.10) | ND (0.0050) | ND (0.050) |
| Octadecanoic acid | ug/L | ND (15) | ND (270) | ND (250) | ND (200) |
| Oleic acid | ug/L | ND (3.0) | ND (3.0) | ND (3.5) | ND (10) |
| Palustric acid | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| Pentachlorobenzene | ug/L | ND (0.040) | ND (0.050) | ND (0.0050) | ND (0.050) |
| Pentachlorophenol | ug/L | ND (10) | ND (40) | ND (10) | ND (100) |
| Perylene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Phenanthrene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Phenol | ug/L | 180 | 60 | 240 | 100 |
| Pimaric acid | ug/L | 4.4 | 4.3 | 3.4 | ND (10) |
| Pyrene | ug/L | ND (2.0) | ND (8.0) | ND (2.0) | ND (20) |
| Sandaracopimaric acid | ug/L | ND (3.0) | ND (3.0) | ND (3.0) | ND (10) |
| Total of resin and fatty acids detected | ug/L | 120 | ND (270) | ND (250) | ND (200) |
| PCBs | | | | | |
| Aroclor-1016 (PCB-1016) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Aroclor-1221 (PCB-1221) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Aroclor-1232 (PCB-1232) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Aroclor-1242 (PCB-1242) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Aroclor-1248 (PCB-1248) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Aroclor-1254 (PCB-1254) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Aroclor-1260 (PCB-1260) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Aroclor-1262 (PCB-1262) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Aroclor-1268 (PCB-1268) | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |
| Total PCBs | ug/L | ND (0.05) | ND (3) | ND (3) | ND (0.05) |

Notes:

ND = Not detected at the associated reporting limit.

Leachate Quality Data - General Chemistry and Metals
2021 Annual Monitoring Report
GFL Environmental Stoney Creek Regional Facility
Stoney Creek, Ontario

| Sample Location: | | EQ LEACH | EQ LEACH | EQ LEACH | EQ LEACH |
|---|-----------|---------------|--------------|--------------|--------------|
| Sample ID: | | EQ LEACH | EQ LEACH | EQ LEACH | EQ LEACH |
| Sample Date: | | 3/3/2021 | 6/11/2021 | 9/20/2021 | 11/10/2021 |
| Parameters | Units | | | | |
| Metals | | | | | |
| Aluminum | mg/L | 0.032 | 0.029 | 0.044 | 0.044 |
| Barium | mg/L | 0.18 | 0.18 | 0.23 | 0.20 |
| Beryllium | mg/L | ND (0.00040) | ND (0.0020) | ND (0.0020) | ND (0.0020) |
| Boron | mg/L | 3.8 | 3.5 | 3.5 | 3.4 |
| Cadmium | mg/L | ND (0.000090) | ND (0.00045) | ND (0.00045) | ND (0.00045) |
| Calcium | mg/L | 46 | 29 | 43 | 48 |
| Calcium (dissolved) | mg/L | 41 | 28 | 47 | 48 |
| Chromium | mg/L | 0.018 | ND (0.025) | ND (0.025) | ND (0.025) |
| Cobalt | mg/L | 0.0042 | 0.0039 | 0.0047 | 0.0040 |
| Copper | mg/L | 0.0052 | ND (0.0045) | ND (0.0045) | ND (0.0045) |
| Iron | mg/L | 1.2 | ND (0.50) | 0.58 | ND (0.50) |
| Lead | mg/L | 0.0050 | ND (0.0025) | 0.0050 | 0.0049 |
| Magnesium | mg/L | 74 | 72 | 65 | 69 |
| Magnesium (dissolved) | mg/L | 68 | 67 | 68 | 71 |
| Manganese | mg/L | 0.13 | 0.12 | 0.14 | 0.11 |
| Molybdenum | mg/L | 0.29 | 0.31 | 0.31 | 0.20 |
| Nickel | mg/L | 0.15 | 0.17 | 0.17 | 0.13 |
| Potassium | mg/L | 1300 | 1500 | 1400 | 1100 |
| Silicon | mg/L | 16 | 17 | 15 | 14 |
| Sodium | mg/L | 2000 | 2100 | 2100 | 1600 |
| Strontium | mg/L | 4.3 | 3.9 | 6.2 | 5.2 |
| Titanium | mg/L | 0.028 | 0.033 | 0.041 | 0.028 |
| Vanadium | mg/L | 0.067 | 0.072 | 0.083 | 0.052 |
| Zinc | mg/L | 0.0053 | ND (0.025) | ND (0.025) | ND (0.025) |
| General Chemistry | | | | | |
| Alkalinity, total (as CaCO ₃) | mg/L | 3200 | 2800 | 3000 | 2800 |
| Ammonia-N | mg/L | 190 | 200 | 230 | 160 |
| Ammonia-N/Strontium Ratio | ratio | 44.1860 | 51.2821 | 37.0968 | 30.7692 |
| Biochemical oxygen demand (total) | mg/L | 290 | 180 | 400 | 110 |
| Bromide (dissolved) | mg/L | 72 | 62 | 81 | 48 |
| Chloride (dissolved) | mg/L | 2600 | 2800 | 3100 | 2200 |
| Chloride/Magnesium Ratio | ratio | 38.2353 | 41.7910 | 45.5882 | 30.9859 |
| Conductivity | µmhos/crr | 14000 | 15000 | 15000 | 12000 |
| Fluoride | mg/L | 3.0 | 2.6 | 3.7 | 3.0 |
| Hardness | mg/L | 380 | 350 | 400 | 410 |
| Mineral oil and grease | mg/L | 15 | 3 | 13 | 9 |
| Nitrate (as N) | mg/L | ND (0.50) | ND (0.50) | ND (0.50) | ND (0.50) |
| Nitrite (as N) | mg/L | ND (0.050) | ND (0.050) | ND (0.050) | ND (0.050) |
| Oil and grease | mg/L | 67 | 87 | 69 | 39 |
| Oil and grease, animal | mg/L | 51 | 84 | 57 | 31 |
| Orthophosphate | mg/L | 0.45 | 1.2 | 1.5 | 1.2 |
| pH, lab | s.u. | 8.28 | 8.20 | 8.26 | 8.32 |
| Phenolics (total) | mg/L | 0.93 | 0.47 | 1.1 | 0.53 |
| Phosphorus | mg/L | 2.7 | 4.0 | 4.8 | 2.6 |
| Sulfate (dissolved) | mg/L | 210 | 59 | 120 | 180 |
| Total kjeldahl nitrogen (TKN) | mg/L | 200 | 230 | 350 | 170 |
| Total organic carbon (TOC) | mg/L | 390 | 370 | 490 | 290 |
| Total suspended solids (TSS) | mg/L | 18 | 10 | 14 | ND (10) |

Notes:

ND = Not detected at the associated reporting limit.

Appendix J.2

Leachate Volumes

STONEY CREEK REGIONAL FACILITY LEACHATE DISPOSAL TO SANITARY SEWER - 2021

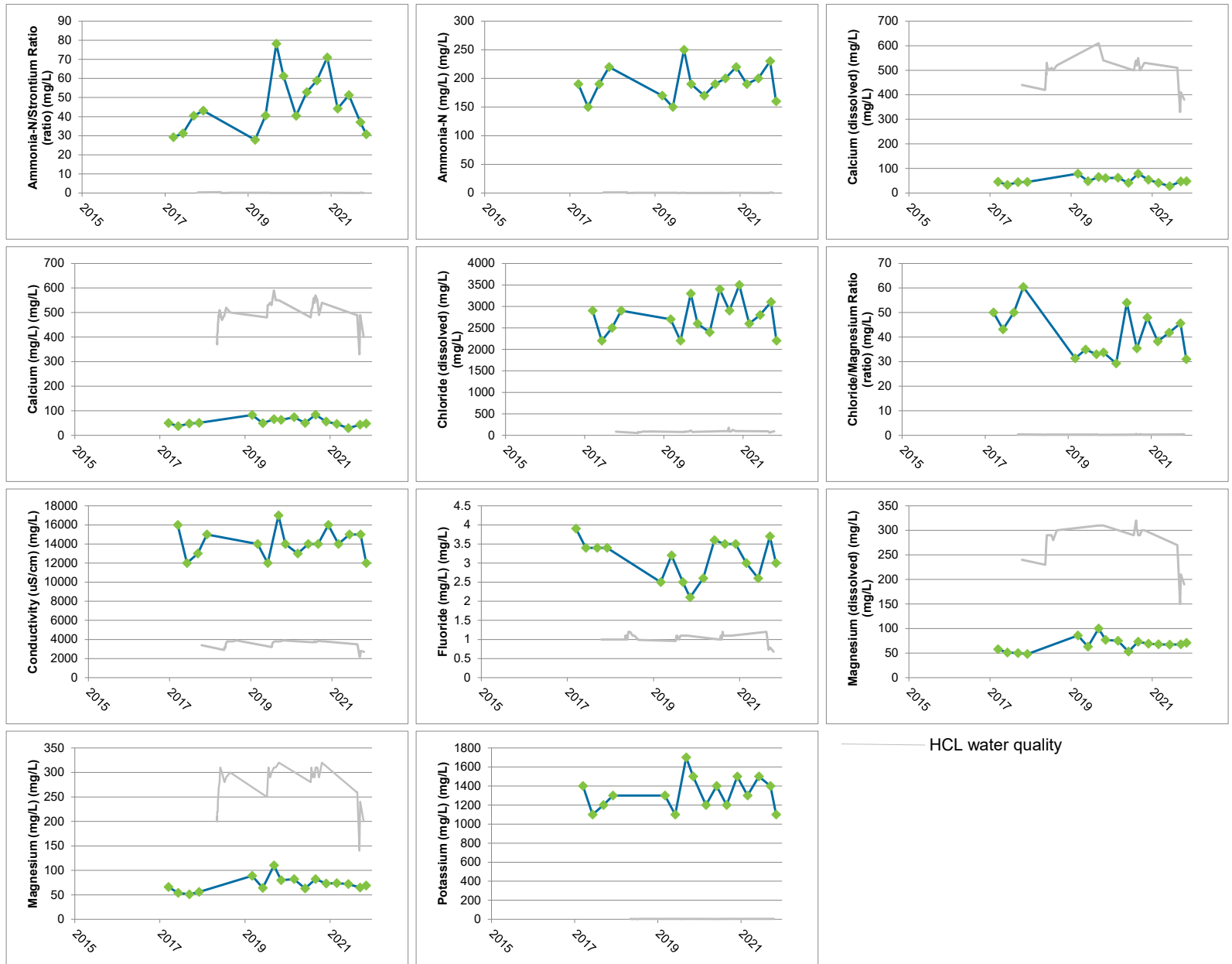
| Date - 2021 | Volume Pumped (L) | Accumulated Volume | Date - 2021 | Volume Pumped (L) | Accumulated Volume | Date - 2021 | Volume Pumped (L) | Accumulated Volume |
|-------------|-------------------|--------------------|-------------|-------------------|--------------------|-------------|-------------------|--------------------|
| 4-Jan-21 | 1,089,702 | 1,089,702 | 6-Mar-21 | 1,068,758 | 31,458,653 | 20-May-21 | 1,080,618 | 62,413,392 |
| 5-Jan-21 | 1,107,491 | 2,197,193 | 7-Mar-21 | 1,068,758 | 32,527,411 | 25-May-21 | 1,494,697 | 63,908,089 |
| 6-Jan-21 | 1,098,407 | 3,295,600 | 8-Mar-21 | 1,087,052 | 33,614,463 | 26-May-21 | 1,063,207 | 64,971,295 |
| 7-Jan-21 | 1,113,547 | 4,409,147 | 9-Mar-21 | 1,080,239 | 34,694,702 | 27-May-21 | 989,777 | 65,961,073 |
| 8-Jan-21 | 200,605 | 4,609,752 | 10-Mar-21 | 1,035,576 | 35,730,278 | 28-May-21 | 4,542 | 65,965,615 |
| 12-Jan-21 | 798,256 | 5,408,008 | 11-Mar-21 | 1,073,048 | 36,803,326 | 1-Jun-21 | 1,014,001 | 66,979,616 |
| 13-Jan-21 | 1,098,407 | 6,506,415 | 12-Mar-21 | 173,731 | 36,977,057 | 13-Jun-21 | 150,643 | 67,130,260 |
| 14-Jan-21 | 143,452 | 6,649,867 | 20-Mar-21 | 809,422 | 37,786,479 | 4-Aug-21 | 1,456,846 | 68,587,106 |
| 25-Jan-21 | 408,780 | 7,058,647 | 21-Mar-21 | 809,422 | 38,595,902 | 6-Aug-21 | 244,700 | 68,831,806 |
| 26-Jan-21 | 1,530,276 | 8,588,922 | 22-Mar-21 | 799,392 | 39,395,294 | 9-Aug-21 | 12,000 | 68,843,806 |
| 27-Jan-21 | 1,082,510 | 9,671,432 | 23-Mar-21 | 1,079,861 | 40,475,154 | 16-Sep-21 | 926,190 | 69,769,996 |
| 28-Jan-21 | 681,300 | 10,352,732 | 24-Mar-21 | 1,028,384 | 41,503,539 | 17-Sep-21 | 1,086,547 | 70,856,543 |
| 29-Jan-21 | 726,341 | 11,079,074 | 25-Mar-21 | 623,011 | 42,126,550 | 18-Sep-21 | 1,086,547 | 71,943,090 |
| 1-Feb-21 | 704,010 | 11,783,084 | 27-Mar-21 | 690,005 | 42,816,555 | 19-Sep-21 | 1,086,547 | 73,029,638 |
| 2-Feb-21 | 715,365 | 12,498,449 | 28-Mar-21 | 690,005 | 43,506,561 | 20-Sep-21 | 1,057,150 | 74,086,788 |
| 3-Feb-21 | 716,000 | 13,214,449 | 1-Apr-21 | 1,105,882 | 44,612,443 | 21-Sep-21 | 1,036,712 | 75,123,500 |
| 4-Feb-21 | 1,087,431 | 14,301,879 | 2-Apr-21 | 1,105,882 | 45,718,325 | 22-Sep-21 | 1,062,355 | 76,185,854 |
| 5-Feb-21 | 1,118,594 | 15,420,473 | 3-Apr-21 | 1,105,882 | 46,824,208 | 24-Sep-21 | 1,062,355 | 77,248,209 |
| 6-Feb-21 | 1,118,594 | 16,539,066 | 4-Apr-21 | 1,105,882 | 47,930,090 | 25-Sep-21 | 1,062,355 | 78,310,564 |
| 7-Feb-21 | 1,118,594 | 17,657,660 | 5-Apr-21 | 1,051,473 | 48,981,563 | 26-Sep-21 | 1,062,355 | 79,372,919 |
| 13-Feb-21 | 1,110,645 | 18,768,305 | 6-Apr-21 | 228,614 | 49,210,177 | 27-Sep-21 | 1,002,647 | 80,375,566 |
| 14-Feb-21 | 1,110,645 | 19,878,950 | 19-Apr-21 | 824,751 | 50,034,928 | 28-Sep-21 | 973,880 | 81,349,446 |
| 15-Feb-21 | 1,110,645 | 20,989,596 | 20-Apr-21 | 1,084,403 | 51,119,331 | 29-Sep-21 | 809,233 | 82,158,679 |
| 16-Feb-21 | 579,105 | 21,568,701 | 21-Apr-21 | 1,073,804 | 52,193,135 | 30-Sep-21 | 99,167 | 82,257,846 |
| 25-Feb-21 | 1,079,482 | 22,648,183 | 22-Apr-21 | 1,101,435 | 53,294,570 | 1-Oct-21 | 947,764 | 83,205,610 |
| 26-Feb-21 | 1,090,080 | 23,738,263 | 23-Apr-21 | 1,066,108 | 54,360,679 | 2-Oct-21 | 947,764 | 84,153,374 |
| 27-Feb-21 | 476,910 | 24,215,173 | 24-Apr-21 | 1,066,108 | 55,426,787 | 3-Oct-21 | 947,764 | 85,101,138 |
| 28-Feb-21 | 817,560 | 25,032,733 | 25-Apr-21 | 1,066,108 | 56,492,895 | 4-Oct-21 | 20,817 | 85,121,956 |
| 1-Mar-21 | 1,071,533 | 26,104,266 | 5-May-21 | 1,112,412 | 57,605,307 | 5-Oct-21 | 1,077,211 | 86,199,167 |
| 2-Mar-21 | 1,082,510 | 27,186,776 | 6-May-21 | 1,074,940 | 58,680,247 | 6-Oct-21 | 1,131,715 | 87,330,882 |
| 3-Mar-21 | 1,068,505 | 28,255,281 | 7-May-21 | 884,176 | 59,564,423 | 7-Oct-21 | 977,665 | 88,308,547 |
| 4-Mar-21 | 1,065,856 | 29,321,137 | 8-May-21 | 884,176 | 60,448,599 | 8-Oct-21 | 1,090,458 | 89,399,006 |
| 5-Mar-21 | 1,068,758 | 30,389,895 | 9-May-21 | 884,176 | 61,332,775 | 10-Oct-21 | 1,090,458 | 90,489,464 |

STONEY CREEK REGIONAL FACILITY LEACHATE DISPOSAL TO SANITARY SEWER - 2021

| Date - 2021 | Volume Pumped (L) | Accumulated Volume | Date - 2021 | Volume Pumped (L) | Accumulated Volume | Date - 2021 | Volume Pumped (L) | Accumulated Volume |
|-------------|-------------------|--------------------|-------------|-------------------|--------------------|----------------------------------|-----------------------|--------------------|
| 11-Oct-21 | 1,090,458 | 91,579,923 | 19-Nov-21 | 1,090,332 | 121,480,842 | | | |
| 12-Oct-21 | 1,054,501 | 92,634,424 | 20-Nov-21 | 1,090,332 | 122,571,174 | | | |
| 13-Oct-21 | 1,110,897 | 93,745,321 | 21-Nov-21 | 1,090,332 | 123,661,507 | | | |
| 14-Oct-21 | 215,367 | 93,960,688 | 22-Nov-21 | 1,082,131 | 124,743,638 | | | |
| 19-Oct-21 | 219,152 | 94,179,839 | 23-Nov-21 | 1,041,254 | 125,784,892 | | | |
| 20-Oct-21 | 485,237 | 94,665,076 | 24-Nov-21 | 1,127,930 | 126,912,822 | | | |
| 21-Oct-21 | 207,418 | 94,872,494 | 25-Nov-21 | 1,025,735 | 127,938,557 | | | |
| 22-Oct-21 | 868,128 | 95,740,622 | 26-Nov-21 | 1,086,169 | 129,024,726 | | | |
| 23-Oct-21 | 868,128 | 96,608,749 | 27-Nov-21 | 1,086,169 | 130,110,894 | | | |
| 24-Oct-21 | 868,128 | 97,476,877 | 28-Nov-21 | 1,086,169 | 131,197,063 | | | |
| 27-Oct-21 | 691,898 | 98,168,775 | 29-Nov-21 | 1,011,731 | 132,208,794 | | | |
| 28-Oct-21 | 1,144,962 | 99,313,737 | 30-Nov-21 | 1,102,571 | 133,311,364 | | | |
| 29-Oct-21 | 1,000,502 | 100,314,239 | 1-Dec-21 | 1,048,067 | 134,359,431 | | | |
| 31-Oct-21 | 500,251 | 100,814,490 | 2-Dec-21 | 1,216,499 | 135,575,930 | | | |
| 1-Nov-21 | 1,062,071 | 101,876,561 | 3-Dec-21 | 812,009 | 136,387,938 | | | |
| 2-Nov-21 | 1,118,846 | 102,995,407 | 4-Dec-21 | 812,009 | 137,199,947 | | | |
| 3-Nov-21 | 1,113,925 | 104,109,332 | 5-Dec-21 | 812,009 | 138,011,956 | | | |
| 4-Nov-21 | 1,088,566 | 105,197,898 | 6-Dec-21 | 1,099,921 | 139,111,877 | | | |
| 5-Nov-21 | 1,105,725 | 106,303,623 | 7-Dec-21 | 1,135,879 | 140,247,755 | | | |
| 6-Nov-21 | 1,105,725 | 107,409,348 | 8-Dec-21 | 904,993 | 141,152,749 | | | |
| 7-Nov-21 | 1,105,725 | 108,515,072 | 9-Dec-21 | 958,740 | 142,111,489 | | | |
| 8-Nov-21 | 1,102,192 | 109,617,264 | 10-Dec-21 | 1,062,071 | 143,173,560 | | | |
| 9-Nov-21 | 1,140,799 | 110,758,063 | 13-Dec-21 | 885,311 | 144,058,872 | | | |
| 10-Nov-21 | 1,019,679 | 111,777,742 | 14-Dec-21 | 1,033,684 | 145,092,555 | | | |
| 11-Nov-21 | 1,045,417 | 112,823,159 | 15-Dec-21 | 943,601 | 146,036,156 | | | |
| 12-Nov-21 | 1,201,864 | 114,025,023 | 16-Dec-21 | 376,986 | 146,413,142 | | | |
| 13-Nov-21 | 1,201,864 | 115,226,887 | | | | | | |
| 14-Nov-21 | 1,201,864 | 116,428,750 | | | | | | |
| 15-Nov-21 | 939,437 | 117,368,187 | | | | | | |
| 16-Nov-21 | 914,456 | 118,282,643 | | | | | | |
| 17-Nov-21 | 1,039,739 | 119,322,383 | | | | | | |
| 18-Nov-21 | 1,068,127 | 120,390,510 | | | | | | |
| | | | | | | LEACHATE DISPOSAL SUMMARY | | |
| | | | | | | Litres | | |
| | | | | | | January | 11,079,074 | |
| | | | | | | February | 13,953,659 | |
| | | | | | | March | 18,473,828 | |
| | | | | | | April | 12,986,335 | |
| | | | | | | May | 9,472,720 | |
| | | | | | | June | 1,164,645 | |
| | | | | | | July | 0.00 | NO PUMPING |
| | | | | | | August | 1,713,546 | |
| | | | | | | September | 13,414,040 | |
| | | | | | | October | 18,556,644 | |
| | | | | | | November | 32,496,875 | |
| | | | | | | December | 13,101,778 | |
| | | | | | | Total Litres | 146,413,141.80 | |

Appendix J.3

Leachate Quality Plots



Hollow icons represent non-detects below the associated limit

Appendix J.3 - Figure 1
EQ LEACH - Concentration versus Time Plots
2021 Annual Monitoring Report
GFL Landfill Site, Stoney Creek, Ontario

Appendix J.4

Leachate Measurements

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|-------|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 20-Apr-16 | 215.184 | 192.334 | 19.24 | 195.9 | 3.61 | |
| 22-Jun-16 | 215.184 | 192.334 | 19.36 | 195.8 | 3.49 | |
| 7-Sep-16 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | |
| 13-Sep-16 | 215.184 | 192.334 | 20.33 | 194.9 | 2.52 | |
| 27-Sep-16 | 215.184 | 192.334 | 20.46 | 194.7 | 2.39 | |
| 5-Oct-16 | 215.184 | 192.334 | 20.30 | 194.9 | 2.55 | |
| 7-Nov-16 | 215.184 | 192.334 | 20.27 | 194.9 | 2.58 | |
| 5-Dec-16 | 215.184 | 192.334 | 20.20 | 195.0 | 2.65 | |
| 30-Dec-16 | 215.184 | 192.334 | 19.50 | 195.7 | 3.35 | |
| 4-Jan-17 | 215.184 | 192.334 | 19.44 | 195.7 | 3.41 | |
| 13-Feb-17 | 215.184 | 192.334 | 19.63 | 195.6 | 3.22 | |
| 8-Mar-17 | 215.184 | 192.334 | 19.30 | 195.9 | 3.55 | |
| 21-Mar-17 | 215.184 | 192.334 | 19.37 | 195.8 | 3.48 | |
| 30-Mar-17 | 215.184 | 192.334 | 19.47 | 195.7 | 3.38 | |
| 10-Apr-17 | 215.184 | 192.334 | 19.14 | 196.0 | 3.71 | |
| 9-May-17 | 215.184 | 192.334 | 18.88 | 196.3 | 3.97 | |
| 10-May-17 | 215.184 | 192.334 | 18.92 | 196.3 | 3.93 | |
| 11-May-17 | 215.184 | 192.334 | 18.95 | 196.2 | 3.90 | |
| 12-May-17 | 215.184 | 192.334 | 19.00 | 196.2 | 3.85 | |
| 15-May-17 | 215.184 | 192.334 | 19.10 | 196.1 | 3.75 | |
| 16-May-17 | 215.184 | 192.334 | 19.12 | 196.1 | 3.73 | |
| 17-May-17 | 215.184 | 192.334 | 19.16 | 196.0 | 3.69 | |
| 18-May-17 | 215.184 | 192.334 | 19.20 | 196.0 | 3.65 | |
| 19-May-17 | 215.184 | 192.334 | 19.26 | 195.9 | 3.59 | |
| 23-May-17 | 215.184 | 192.334 | 19.37 | 195.8 | 3.48 | |
| 24-May-17 | 215.184 | 192.334 | 19.40 | 195.8 | 3.45 | |
| 26-May-17 | 215.184 | 192.334 | 19.30 | 195.9 | 3.55 | |
| 29-May-17 | 215.184 | 192.334 | 19.40 | 195.8 | 3.45 | |
| 30-May-17 | 215.184 | 192.334 | 19.31 | 195.9 | 3.54 | |
| 2-Jun-17 | 215.184 | 192.334 | 19.44 | 195.7 | 3.41 | |
| 6-Jun-17 | 215.184 | 192.334 | 19.47 | 195.7 | 3.38 | |
| 8-Jun-17 | 215.184 | 192.334 | 19.57 | 195.6 | 3.28 | |
| 12-Jun-17 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | |
| 13-Jun-17 | 215.184 | 192.334 | 19.70 | 195.5 | 3.15 | |
| 14-Jun-17 | 215.184 | 192.334 | 19.74 | 195.4 | 3.11 | |
| 16-Jun-17 | 215.184 | 192.334 | 19.79 | 195.4 | 3.06 | |
| 19-Jun-17 | 215.184 | 192.334 | 19.87 | 195.3 | 2.98 | |
| 20-Jun-17 | 215.184 | 192.334 | 19.91 | 195.3 | 2.94 | |
| 21-Jun-17 | 215.184 | 192.334 | 19.95 | 195.2 | 2.90 | |
| 22-Jun-17 | 215.184 | 192.334 | 19.97 | 195.2 | 2.88 | |
| 23-Jun-17 | 215.184 | 192.334 | 19.89 | 195.3 | 2.96 | |
| 26-Jun-17 | 215.184 | 192.334 | 20.09 | 195.1 | 2.76 | |
| 28-Jun-17 | 215.184 | 192.334 | 20.17 | 195.0 | 2.68 | |
| 29-Jun-17 | 215.184 | 192.334 | 20.20 | 195.0 | 2.65 | |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|-------|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 4-Jul-17 | 215.184 | 192.334 | 20.34 | 194.8 | 2.51 | |
| 5-Jul-17 | 215.184 | 192.334 | 20.36 | 194.8 | 2.49 | |
| 11-Jul-17 | 215.184 | 192.334 | 20.53 | 194.7 | 2.32 | |
| 17-Jul-17 | 215.184 | 192.334 | 20.63 | 194.6 | 2.22 | |
| 19-Jul-17 | 215.184 | 192.334 | 20.66 | 194.5 | 2.19 | |
| 25-Jul-17 | 215.184 | 192.334 | 20.65 | 194.5 | 2.20 | |
| 26-Jul-17 | 215.184 | 192.334 | 20.63 | 194.6 | 2.22 | |
| 27-Jul-17 | 215.184 | 192.334 | 20.59 | 194.6 | 2.26 | |
| 28-Jul-17 | 215.184 | 192.334 | 20.61 | 194.6 | 2.24 | |
| 1-Aug-17 | 215.184 | 192.334 | 20.53 | 194.7 | 2.32 | |
| 9-Aug-17 | 215.184 | 192.334 | 20.52 | 194.7 | 2.33 | |
| 15-Aug-17 | 215.184 | 192.334 | 20.44 | 194.7 | 2.41 | |
| 17-Aug-17 | 215.184 | 192.334 | 20.36 | 194.8 | 2.49 | |
| 18-Aug-17 | 215.184 | 192.334 | 20.24 | 194.9 | 2.61 | |
| 22-Aug-17 | 215.184 | 192.334 | 20.33 | 194.9 | 2.52 | |
| 23-Aug-17 | 215.184 | 192.334 | 20.33 | 194.9 | 2.52 | |
| 30-Aug-17 | 215.184 | 192.334 | 20.32 | 194.9 | 2.53 | |
| 28-Aug-17 | 215.184 | 192.334 | 20.35 | 194.8 | 2.50 | |
| 31-Aug-17 | 215.184 | 192.334 | 20.40 | 194.8 | 2.45 | |
| 6-Sep-17 | 215.184 | 192.334 | 20.21 | 195.0 | 2.64 | |
| 18-Sep-17 | 215.184 | 192.334 | 20.36 | 194.8 | 2.49 | |
| 25-Sep-17 | 215.184 | 192.334 | 20.46 | 194.7 | 2.39 | |
| 26-Sep-17 | 215.184 | 192.334 | 20.50 | 194.7 | 2.35 | |
| 3-Oct-17 | 215.184 | 192.334 | 20.50 | 194.7 | 2.35 | |
| 10-Oct-17 | 215.184 | 192.334 | 20.43 | 194.8 | 2.42 | |
| 17-Oct-17 | 215.184 | 192.334 | 20.50 | 194.7 | 2.35 | |
| 18-Oct-17 | 215.184 | 192.334 | 20.52 | 194.7 | 2.33 | |
| 20-Oct-17 | 215.184 | 192.334 | 20.57 | 194.6 | 2.28 | |
| 24-Oct-17 | 215.184 | 192.334 | 20.53 | 194.7 | 2.32 | |
| 1-Nov-17 | 215.184 | 192.334 | 20.32 | 194.9 | 2.53 | |
| 14-Nov-17 | 215.184 | 192.334 | 20.04 | 195.1 | 2.81 | |
| 21-Nov-17 | 215.184 | 192.334 | 19.84 | 195.3 | 3.01 | |
| 27-Nov-17 | 215.184 | 192.334 | 20.03 | 195.2 | 2.82 | |
| 4-Dec-17 | 215.184 | 192.334 | 20.20 | 195.0 | 2.65 | |
| 18-Dec-17 | 215.184 | 192.334 | 20.12 | 195.1 | 2.73 | |
| 2-Jan-18 | 215.184 | 192.334 | 19.85 | 195.3 | 3.00 | |
| 8-Jan-18 | 215.184 | 192.334 | 19.87 | 195.3 | 2.98 | |
| 22-Jan-18 | 215.184 | 192.334 | 19.97 | 195.2 | 2.88 | |
| 24-Jan-18 | 215.184 | 192.334 | 19.88 | 195.3 | 2.97 | |
| 2-Feb-18 | 215.184 | 192.334 | 20.16 | 195.0 | 2.69 | |
| 13-Feb-18 | 215.184 | 192.334 | 20.33 | 194.9 | 2.52 | |
| 20-Feb-18 | 215.184 | 192.334 | 19.91 | 195.3 | 2.94 | |
| 22-Feb-18 | 215.184 | 192.334 | 19.78 | 195.4 | 3.07 | |
| 24-Feb-18 | 215.184 | 192.334 | 19.63 | 195.6 | 3.22 | |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|---|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 26-Feb-18 | 215.184 | 192.334 | 19.51 | 195.7 | 3.34 | |
| 27-Feb-18 | 215.184 | 192.334 | 19.70 | 195.5 | 3.15 | |
| 28-Feb-18 | 215.184 | 192.334 | 19.71 | 195.5 | 3.14 | |
| 1-Mar-18 | 215.184 | 192.334 | 19.74 | 195.4 | 3.11 | |
| 6-Mar-18 | 215.184 | 192.334 | 19.82 | 195.4 | 3.03 | |
| 9-Mar-18 | 215.184 | 192.334 | 19.90 | 195.3 | 2.95 | |
| 13-Mar-18 | 215.184 | 192.334 | 20.01 | 195.2 | 2.84 | |
| 19-Mar-18 | 215.184 | 192.334 | 20.16 | 195.0 | 2.69 | |
| 22-Mar-18 | 215.184 | 192.334 | 20.32 | 194.9 | 2.53 | |
| 23-Mar-18 | 215.184 | 192.334 | 20.40 | 194.8 | 2.45 | |
| 26-Mar-18 | 215.184 | 192.334 | 20.47 | 194.7 | 2.38 | |
| 2-Apr-18 | 215.184 | 192.334 | 20.63 | 194.6 | 2.22 | |
| 9-Apr-18 | 215.184 | 192.334 | 20.70 | 194.5 | 2.15 | |
| 11-Apr-18 | 215.184 | 192.334 | 20.72 | 194.5 | 2.13 | |
| 13-Apr-18 | 215.184 | 192.334 | 20.75 | 194.4 | 2.10 | |
| 18-Apr-18 | 215.184 | 192.334 | 20.39 | 194.8 | 2.46 | Recent Extensive Rainfall - 60 mm + - Pumps just started after 1.5 days on by-pass |
| 1-May-18 | 215.184 | 192.334 | 20.30 | 194.9 | 2.55 | |
| 7-May-18 | 215.184 | 192.334 | 20.26 | 194.9 | 2.59 | |
| 9-May-18 | 215.184 | 192.334 | 20.33 | 194.9 | 2.52 | |
| 11-May-18 | 215.184 | 192.334 | 20.38 | 194.8 | 2.47 | |
| 14-May-18 | 215.184 | 192.334 | 20.41 | 194.8 | 2.44 | |
| 16-May-18 | 215.184 | 192.334 | 20.43 | 194.8 | 2.42 | |
| 18-May-18 | 215.184 | 192.334 | 20.44 | 194.7 | 2.41 | |
| 22-May-18 | 215.184 | 192.334 | 20.46 | 194.7 | 2.39 | |
| 23-May-18 | 215.184 | 192.334 | 20.47 | 194.7 | 2.38 | |
| 24-May-18 | 215.184 | 192.334 | 20.48 | 194.7 | 2.37 | |
| 30-May-18 | 215.184 | 192.334 | 20.38 | 194.8 | 2.47 | |
| 31-May-18 | 215.184 | 192.334 | 20.36 | 194.8 | 2.49 | |
| 4-Jun-18 | 215.184 | 192.334 | 20.63 | 194.6 | 2.22 | |
| 5-Jun-18 | 215.184 | 192.334 | 20.66 | 194.5 | 2.19 | |
| 11-Jun-18 | 215.184 | 192.334 | 20.70 | 194.5 | 2.15 | |
| 13-Jun-18 | 215.184 | 192.334 | 20.71 | 194.5 | 2.14 | |
| 18-Jun-18 | 215.184 | 192.334 | 20.78 | 194.4 | 2.07 | |
| 20-Jun-18 | 215.184 | 192.334 | 20.83 | 194.4 | 2.02 | |
| 22-Jun-18 | 215.184 | 192.334 | 20.84 | 194.3 | 2.01 | |
| 27-Jun-18 | 215.184 | 192.334 | 20.72 | 194.5 | 2.13 | |
| 9-Jul-18 | 215.184 | 192.334 | 20.62 | 194.6 | 2.23 | Pump being installed in the permanent vertical station - plan to pull pump from temporary and clean and investigate with video inspection |
| 10-Jul-18 | 215.184 | 192.334 | 20.68 | 194.5 | 2.17 | permanent station active |
| 11-Jul-18 | 215.184 | 192.334 | 20.52 | 194.7 | 2.33 | permanent station active |
| 12-Jul-18 | 215.184 | 192.334 | 20.68 | 194.5 | 2.17 | permanent station active |
| 12-Jul-18 | 215.184 | 192.334 | 20.70 | 194.5 | 2.15 | permanent station active |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|---|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 13-Jul-18 | 215.184 | 192.334 | 20.75 | 194.4 | 2.10 | permanent station active |
| 16-Jul-18 | 215.184 | 192.334 | 20.68 | 194.5 | 2.17 | |
| 18-Jul-18 | 215.184 | 192.334 | 20.63 | 194.6 | 2.22 | |
| 23-Jul-18 | 215.184 | 192.334 | 20.58 | 194.6 | 2.27 | Pump off for the weekend - maintenance activities |
| 26-Jul-18 | 215.184 | 192.334 | 20.82 | 194.4 | 2.03 | Pump on since July 24th constant - 24/7 |
| 30-Jul-18 | 215.184 | 192.334 | 20.85 | 194.3 | 2.00 | Pump on since July 24th constant - 24/7 |
| 31-Jul-18 | 215.184 | 192.334 | 20.90 | 194.3 | 1.95 | Pump on since July 24th constant - 24/7 |
| 1-Aug-18 | 215.184 | 192.334 | 20.93 | 194.3 | 1.92 | Pump on since July 24th constant - 24/7 |
| 2-Aug-18 | 215.184 | 192.334 | 20.97 | 194.2 | 1.88 | Pump on since July 24th constant - 24/7 |
| 3-Aug-18 | 215.184 | 192.334 | 21.04 | 194.1 | 1.81 | Pump on since July 24th constant - 24/7 |
| 7-Aug-18 | 215.184 | 192.334 | 21.22 | 194.0 | 1.63 | Pump on since July 24th constant - 24/7 |
| 8-Aug-18 | 215.184 | 192.334 | 21.27 | 193.9 | 1.58 | |
| 9-Aug-18 | 215.184 | 192.334 | 21.30 | 193.9 | 1.55 | |
| 13-Aug-18 | 215.184 | 192.334 | 21.49 | 193.7 | 1.36 | |
| 14-Aug-18 | 215.184 | 192.334 | 21.57 | 193.6 | 1.28 | |
| 15-Aug-18 | 215.184 | 192.334 | 21.63 | 193.6 | 1.22 | |
| 16-Aug-18 | 215.184 | 192.334 | 21.68 | 193.5 | 1.17 | |
| 17-Aug-18 | 215.184 | 192.334 | 21.76 | 193.4 | 1.09 | |
| 20-Aug-18 | 215.184 | 192.334 | 21.62 | 193.6 | 1.23 | |
| 24-Aug-18 | 215.184 | 192.334 | 21.92 | 193.3 | 0.93 | |
| 27-Aug-18 | 215.184 | 192.334 | 22.21 | 193.0 | 0.64 | |
| 29-Aug-18 | 215.184 | 192.334 | 22.64 | 192.5 | 0.21 | |
| 31-Aug-18 | 215.184 | 192.334 | 22.24 | 192.9 | 0.61 | |
| 4-Sep-18 | 215.184 | 192.334 | 22.01 | 193.2 | 0.84 | Pump shutoff last night due to lower levels |
| 4-Sep-18 | 215.184 | 192.334 | 22.10 | 193.1 | 0.75 | |
| 5-Sep-18 | 215.184 | 192.334 | 21.97 | 193.2 | 0.88 | Pump shutoff last night due to lower levels |
| 5-Sep-18 | 215.184 | 192.334 | 22.05 | 193.1 | 0.80 | |
| 6-Sep-18 | 215.184 | 192.334 | 22.04 | 193.1 | 0.81 | Pump shutoff last night due to lower levels |
| 6-Sep-18 | 215.184 | 192.334 | 22.10 | 193.1 | 0.75 | |
| 7-Sep-18 | 215.184 | 192.334 | 22.04 | 193.1 | 0.81 | Pump shutoff for the weekend due to lower levels |
| 7-Sep-18 | 215.184 | 192.334 | 22.08 | 193.1 | 0.77 | |
| 10-Sep-18 | 215.184 | 192.334 | 21.89 | 193.3 | 0.96 | Pump shutoff for the weekend due to lower levels |
| 11-Sep-18 | 215.184 | 192.334 | 22.10 | 193.1 | 0.75 | Pumping 24/7 for a few days to catch up after being off all weekend |
| 12-Sep-18 | 215.184 | 192.334 | 22.17 | 193.0 | 0.68 | Pumping 24/7 for a few days to catch up after being off all weekend |
| 12-Sep-18 | 215.184 | 192.334 | 22.22 | 193.0 | 0.63 | Pump shutoff last night due to lower levels |
| 14-Sep-18 | 215.184 | 192.334 | 22.13 | 193.1 | 0.72 | Pump shutoff last night due to lower levels |
| 17-Sep-18 | 215.184 | 192.334 | 21.97 | 193.2 | 0.88 | Pump shutoff for the weekend due to lower levels |
| 17-Sep-18 | 215.184 | 192.334 | 22.09 | 193.1 | 0.76 | Pump shutoff for the weekend due to lower levels |
| 18-Sep-18 | 215.184 | 192.334 | 22.21 | 193.0 | 0.64 | Started pumping again just after weekend |
| 18-Sep-18 | 215.184 | 192.334 | 22.24 | 192.9 | 0.61 | Pumping 24/7 for a few days to catch up after being off all weekend |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|---|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 19-Sep-18 | 215.184 | 192.334 | 22.42 | 192.8 | 0.43 | Pumping 24/7 for a few days to catch up after being off all weekend |
| 19-Sep-18 | 215.184 | 192.334 | 22.54 | 192.6 | 0.31 | Pump shutoff last night due to lower levels |
| 20-Sep-18 | 215.184 | 192.334 | 22.52 | 192.7 | 0.33 | |
| 21-Sep-18 | 215.184 | 192.334 | 22.36 | 192.8 | 0.49 | |
| 24-Sep-18 | 215.184 | 192.334 | 22.24 | 192.9 | 0.61 | Pump shutoff for the weekend due to lower levels |
| 25-Sep-18 | 215.184 | 192.334 | 22.14 | 193.0 | 0.71 | Pump shutoff last night due to lower levels |
| 27-Sep-18 | 215.184 | 192.334 | 22.13 | 193.1 | 0.72 | Started pumping again - aeration pond system required electrical repairs |
| 28-Sep-18 | 215.184 | 192.334 | 22.30 | 192.9 | 0.55 | |
| 3-Oct-18 | 215.184 | 192.334 | 22.18 | 193.0 | 0.67 | Pump shutoff for the weekend |
| 4-Oct-18 | 215.184 | 192.334 | 22.32 | 192.9 | 0.53 | Pumping 24/7 for a few days to catch up after being off all weekend |
| 5-Oct-18 | 215.184 | 192.334 | 22.61 | 192.6 | 0.24 | Pumping 24/7 |
| 9-Oct-18 | 215.184 | 192.334 | 22.05 | 193.1 | 0.80 | Started pumping again just after weekend |
| 9-Oct-18 | 215.184 | 192.334 | 22.14 | 193.0 | 0.71 | Pumping 24/7 |
| 10-Oct-18 | 215.184 | 192.334 | 22.27 | 192.9 | 0.58 | Pumping 24/7 |
| 10-Oct-18 | 215.184 | 192.334 | 22.32 | 192.9 | 0.53 | Pumping 24/7 |
| 11-Oct-18 | 215.184 | 192.334 | 22.58 | 192.6 | 0.27 | Pumping 24/7 |
| 11-Oct-18 | 215.184 | 192.334 | 22.66 | 192.5 | 0.19 | Pump shutoff for the weekend due to lower levels |
| 15-Oct-18 | 215.184 | 192.334 | 22.11 | 193.1 | 0.74 | Pumping during daily operational hours only |
| 16-Oct-18 | 215.184 | 192.334 | 22.18 | 193.0 | 0.67 | Pumping during daily operational hours only |
| 22-Oct-18 | 215.184 | 192.334 | 22.16 | 193.0 | 0.69 | Pumping during daily operational hours only |
| 24-Oct-18 | 215.184 | 192.334 | 22.17 | 193.0 | 0.68 | Pumping during daily operational hours only |
| 25-Oct-18 | 215.184 | 192.334 | 22.16 | 193.0 | 0.69 | Pumping during daily operational hours only |
| 29-Oct-18 | 215.184 | 192.334 | 22.01 | 193.2 | 0.84 | Pumping during daily operational hours only |
| 30-Oct-18 | 215.184 | 192.334 | 21.92 | 193.3 | 0.93 | Pumping during daily operational hours only |
| 30-Oct-18 | 215.184 | 192.334 | 22.02 | 193.2 | 0.83 | Pumping during daily operational hours only |
| 1-Nov-18 | 215.184 | 192.334 | 22.10 | 193.1 | 0.75 | Pumping during daily operational hours only |
| 2-Nov-18 | 215.184 | 192.334 | 22.01 | 193.2 | 0.84 | Pumping 24/7 - also extensive rainfall |
| 5-Nov-18 | 215.184 | 192.334 | 21.26 | 193.9 | 1.59 | Pump off for the weekend - maintenance - also extensive rainfall over weekend |
| 5-Nov-18 | 215.184 | 192.334 | 21.35 | 193.8 | 1.50 | |
| 6-Nov-18 | 215.184 | 192.334 | 21.40 | 193.8 | 1.45 | Pumping 24/7 |
| 7-Nov-18 | 215.184 | 192.334 | 21.43 | 193.8 | 1.42 | Pumping 24/7 |
| 8-Nov-18 | 215.184 | 192.334 | 21.47 | 193.7 | 1.38 | Pumping 24/7 |
| 12-Nov-18 | 215.184 | 192.334 | 21.69 | 193.5 | 1.16 | Pumping 24/7 - pumped all weekend |
| 13-Nov-18 | 215.184 | 192.334 | 21.76 | 193.4 | 1.09 | Shutdown end of day to now pump only during operational hours |
| 14-Nov-18 | 215.184 | 192.334 | 21.85 | 193.3 | 1.00 | Shutdown end of day to now pump only during operational hours |
| 15-Nov-18 | 215.184 | 192.334 | 21.97 | 193.2 | 0.88 | Shutdown end of day to now pump only during operational hours |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|--|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 16-Nov-18 | 215.184 | 192.334 | 21.88 | 193.3 | 0.97 | Pumped overnight - today pulling out vertical pump and next week vertical Temp pump being re-installed for winter months |
| 19-Nov-18 | 215.184 | 192.334 | 21.69 | 193.5 | 1.16 | no pumping activities - level too low for temp angle leachate pumping station |
| 20-Nov-18 | 215.184 | 192.334 | 21.64 | 193.5 | 1.21 | no pumping activities - level too low for temp angle leachate pumping station |
| 21-Nov-18 | 215.184 | 192.334 | 21.60 | 193.6 | 1.25 | no pumping activities - level too low for temp angle leachate pumping station |
| 22-Nov-18 | 215.184 | 192.334 | 21.55 | 193.6 | 1.30 | no pumping activities - level too low for temp angle leachate pumping station |
| 23-Nov-18 | 215.184 | 192.334 | 21.53 | 193.7 | 1.32 | no pumping activities - level too low for temp angle leachate pumping station |
| 26-Nov-18 | 215.184 | 192.334 | 21.42 | 193.8 | 1.43 | no pumping activities - level too low for temp angle leachate pumping station |
| 27-Nov-18 | 215.184 | 192.334 | 21.37 | 193.8 | 1.48 | no pumping activities - level too low for temp angle leachate pumping station |
| 28-Nov-18 | 215.184 | 192.334 | 21.31 | 193.9 | 1.54 | no pumping activities - level too low for temp angle leachate pumping station |
| 29-Nov-18 | 215.184 | 192.334 | 21.25 | 193.9 | 1.60 | no pumping activities - level too low for temp angle leachate pumping station |
| 30-Nov-18 | 215.184 | 192.334 | 21.22 | 194.0 | 1.63 | no pumping activities - level too low for temp angle leachate pumping station |
| 3-Dec-18 | 215.184 | 192.334 | 21.12 | 194.1 | 1.73 | no pumping activities - level too low for temp angle leachate pumping station |
| 4-Dec-18 | 215.184 | 192.334 | 21.08 | 194.1 | 1.77 | no pumping activities - level too low for temp angle leachate pumping station |
| 5-Dec-18 | 215.184 | 192.334 | 21.04 | 194.1 | 1.81 | no pumping activities - level too low for temp angle leachate pumping station |
| 6-Dec-18 | 215.184 | 192.334 | 21.02 | 194.2 | 1.83 | no pumping activities - level too low for temp angle leachate pumping station |
| 10-Dec-18 | 215.184 | 192.334 | 20.89 | 194.3 | 1.96 | no pumping activities - level too low for temp angle leachate pumping station |
| 12-Dec-18 | 215.184 | 192.334 | 20.83 | 194.4 | 2.02 | no pumping activities - level too low for temp angle leachate pumping station |
| 13-Dec-18 | 215.184 | 192.334 | 20.83 | 194.4 | 2.02 | no pumping activities - level too low for temp angle leachate pumping station |
| 14-Dec-18 | 215.184 | 192.334 | 20.82 | 194.4 | 2.03 | no pumping activities - level too low for temp angle leachate pumping station |
| 17-Dec-18 | 215.184 | 192.334 | 20.76 | 194.4 | 2.09 | no pumping activities - level too low for temp angle leachate pumping station |
| 19-Dec-18 | 215.184 | 192.334 | 20.72 | 194.5 | 2.13 | no pumping activities - level too low for temp angle leachate pumping station |
| 21-Dec-18 | 215.184 | 192.334 | 20.60 | 194.6 | 2.25 | no pumping activities - level too low for temp angle leachate pumping station |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|--|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 27-Dec-18 | 215.184 | 192.334 | 20.51 | 194.7 | 2.34 | no pumping activities - level too low for temp angle leachate pumping station |
| 2-Jan-19 | 215.184 | 192.334 | 20.34 | 194.8 | 2.51 | Now that level is high enough to run the vertical pump - pumping will start tomorrow morning daytime only and monitor levels |
| 3-Jan-19 | 215.184 | 192.334 | 20.21 | 195.0 | 2.64 | pumping started up again approx 9:00 am - 6 hrs daytime only |
| 4-Jan-19 | 215.184 | 192.334 | 20.28 | 194.9 | 2.57 | pump off over night |
| 7-Jan-19 | 215.184 | 192.334 | 20.22 | 195.0 | 2.63 | pump off all weekend we will continue to pump during the daytime shift only for now - level taken at 7:51 am |
| 7-Jan-19 | 215.184 | 192.334 | 20.33 | 194.9 | 2.52 | reading after pump running - pump turned on 8:30 am - level taken at 1:31 pm |
| 8-Jan-19 | 215.184 | 192.334 | 20.21 | 195.0 | 2.64 | pump off overnight we will continue to pump during the daytime shift only |
| 9-Jan-19 | 215.184 | 192.334 | 20.20 | 195.0 | 2.65 | pump off overnight we will continue to pump during the daytime shift only |
| 14-Jan-19 | 215.184 | 192.334 | 20.16 | 195.0 | 2.69 | pump off all weekend we will continue to pump during the daytime shift only for now |
| 15-Jan-19 | 215.184 | 192.334 | 20.28 | 194.9 | 2.57 | pump turned on at 8:30 am |
| 17-Jan-19 | 215.184 | 192.334 | 20.28 | 194.9 | 2.57 | pump on as of 8:30 am and will be on all night |
| 18-Jan-19 | 215.184 | 192.334 | 20.32 | 194.9 | 2.53 | pumped overnight |
| 23-Jan-19 | 215.184 | 192.334 | 20.08 | 195.1 | 2.77 | not pumping since last week. Temps went from lows of minus 18 to plus 6 and rain. Expect to start pump and pump overnight |
| 24-Jan-19 | 215.184 | 192.334 | 20.13 | 195.1 | 2.72 | Pumping will start again today and maybe overnight until tomorrow shutdown at 3:00 pm |
| 25-Jan-19 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | |
| 28-Jan-19 | 215.184 | 192.334 | 20.20 | 195.0 | 2.65 | Pumped all weekend |
| 29-Jan-19 | 215.184 | 192.334 | 20.23 | 195.0 | 2.62 | pumping 24/7 since last week |
| 31-Jan-19 | 215.184 | 192.334 | 20.26 | 194.9 | 2.59 | pumping 24/7 |
| 4-Feb-19 | 215.184 | 192.334 | 20.23 | 195.0 | 2.62 | |
| 7-Feb-19 | 215.184 | 192.334 | 20.11 | 195.1 | 2.74 | pump was on city by-pass yesterday due to rain and freezing rain. Pump started again this morning |
| 8-Feb-19 | 215.184 | 192.334 | 19.97 | 195.2 | 2.88 | pump off last night only pumping during operation day hours |
| 12-Feb-19 | 215.184 | 192.334 | 19.95 | 195.2 | 2.90 | pumping during operation day hours |
| 15-Feb-19 | 215.184 | 192.334 | 19.98 | 195.2 | 2.87 | pumped overnight |
| 19-Feb-19 | 215.184 | 192.334 | 19.69 | 195.5 | 3.16 | pump off 3 days for long weekend. Pump started today at 7:10 am |
| 19-Feb-19 | 215.184 | 192.334 | 19.89 | 195.3 | 2.96 | reading taken after pump on for a few hours |
| 20-Feb-19 | 215.184 | 192.334 | 19.89 | 195.3 | 2.96 | pumping 24/7 |
| 21-Feb-19 | 215.184 | 192.334 | 19.93 | 195.3 | 2.92 | pumping 24/7 |
| 22-Feb-19 | 215.184 | 192.334 | 19.92 | 195.3 | 2.93 | pumping 24/7 |
| 25-Feb-19 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | pump turned off yesterday due to city by-pass |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|--|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 26-Feb-19 | 215.184 | 192.334 | 19.82 | 195.4 | 3.03 | pumping 24/7 |
| 27-Feb-19 | 215.184 | 192.334 | 19.86 | 195.3 | 2.99 | pumping 24/7 |
| 28-Feb-19 | 215.184 | 192.334 | 19.89 | 195.3 | 2.96 | pumping 24/7 |
| 1-Mar-19 | 215.184 | 192.334 | 19.98 | 195.2 | 2.87 | pumping 24/7 |
| 4-Mar-19 | 215.184 | 192.334 | 19.99 | 195.2 | 2.86 | pumping 24/7 |
| 5-Mar-19 | 215.184 | 192.334 | 20.00 | 195.2 | 2.85 | pumping 24/7 |
| 6-Mar-19 | 215.184 | 192.334 | 20.04 | 195.1 | 2.81 | pumping 24/7 |
| 7-Mar-19 | 215.184 | 192.334 | 20.07 | 195.1 | 2.78 | pumping 24/7 |
| 8-Mar-19 | 215.184 | 192.334 | 20.11 | 195.1 | 2.74 | pumping 24/7 |
| 11-Mar-19 | 215.184 | 192.334 | 19.73 | 195.5 | 3.12 | pump off on weekend - rainy on city by-pass until 11:30 am today |
| 12-Mar-19 | 215.184 | 192.334 | 19.89 | 195.3 | 2.96 | pumping 24/7 |
| 13-Mar-19 | 215.184 | 192.334 | 19.92 | 195.3 | 2.93 | pumping 24/7 |
| 14-Mar-19 | 215.184 | 192.334 | 19.73 | 195.5 | 3.12 | Pump kicked out last night Started again this morning 8:00 am |
| 15-Mar-19 | 215.184 | 192.334 | 19.89 | 195.3 | 2.96 | pumping 24/7 |
| 18-Mar-19 | 215.184 | 192.334 | 19.93 | 195.3 | 2.92 | Pumped all weekend - starting setting up the pump in the Permanent Station again for the summer months |
| 19-Mar-19 | 215.184 | 192.334 | 19.91 | 195.3 | 2.94 | pumping 24/7 |
| 20-Mar-19 | 215.184 | 192.334 | 19.90 | 195.3 | 2.95 | pumping 24/7 |
| 21-Mar-19 | 215.184 | 192.334 | 19.90 | 195.3 | 2.95 | pumping 24/7 |
| 22-Mar-19 | 215.184 | 192.334 | 19.92 | 195.3 | 2.93 | pumping 24/7 |
| 25-Mar-19 | 215.184 | 192.334 | 20.07 | 195.1 | 2.78 | Pumped all weekend |
| 26-Mar-19 | 215.184 | 192.334 | 20.10 | 195.1 | 2.75 | pumping 24/7 |
| 27-Mar-19 | 215.184 | 192.334 | 20.13 | 195.1 | 2.72 | pumping 24/7 |
| 28-Mar-19 | 215.184 | 192.334 | 20.13 | 195.1 | 2.72 | pumping 24/7 |
| 29-Mar-19 | 215.184 | 192.334 | 20.17 | 195.0 | 2.68 | pumping 24/7 |
| 1-Apr-19 | 215.184 | 192.334 | 20.13 | 195.1 | 2.72 | pumping 24/7 |
| 2-Apr-19 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | pumping 24/7 |
| 3-Apr-19 | 215.184 | 192.334 | 20.20 | 195.0 | 2.65 | pumping 24/7 |
| 4-Apr-19 | 215.184 | 192.334 | 20.24 | 194.9 | 2.61 | pumping 24/7 |
| 5-Apr-19 | 215.184 | 192.334 | 20.23 | 195.0 | 2.62 | pumping 24/7 |
| 8-Apr-19 | 215.184 | 192.334 | 20.28 | 194.9 | 2.57 | Pumped all weekend |
| 9-Apr-19 | 215.184 | 192.334 | 20.33 | 194.9 | 2.52 | pumping 24/7 |
| 10-Apr-19 | 215.184 | 192.334 | 20.37 | 194.8 | 2.48 | pumping 24/7 |
| 11-Apr-19 | 215.184 | 192.334 | 20.39 | 194.8 | 2.46 | pumping 24/7 |
| 12-Apr-19 | 215.184 | 192.334 | 20.40 | 194.8 | 2.45 | pumping 24/7 |
| 15-Apr-19 | 215.184 | 192.334 | 20.41 | 194.8 | 2.44 | Extensive rainfall prior to weekend up to 40mm - pumped all weekend |
| 16-Apr-19 | 215.184 | 192.334 | 20.44 | 194.7 | 2.41 | pumping 24/7 |
| 17-Apr-19 | 215.184 | 192.334 | 20.44 | 194.7 | 2.41 | pumping 24/7 |
| 19-Apr-19 | 215.184 | 192.334 | 20.44 | 194.7 | 2.41 | pumping 24/7 |
| 22-Apr-19 | 215.184 | 192.334 | 20.35 | 194.8 | 2.50 | pumping 24/7 |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|--|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 23-Apr-19 | 215.184 | 192.334 | 20.16 | 195.0 | 2.69 | pump had a power interruption during the night - Restarted this morning and pumping as normal |
| 24-Apr-19 | 215.184 | 192.334 | 20.32 | 194.9 | 2.53 | pumping 24/7 |
| 25-Apr-19 | 215.184 | 192.334 | 20.32 | 194.9 | 2.53 | pumping 24/7 - pump was being installed in the permanent pumping station today for summer use |
| 26-Apr-19 | 215.184 | 192.334 | 20.13 | 195.1 | 2.72 | pumping 24/7 |
| 29-Apr-19 | 215.184 | 192.334 | 20.25 | 194.9 | 2.60 | pumping 24/7 |
| 30-Apr-19 | 215.184 | 192.334 | 20.29 | 194.9 | 2.56 | pumping 24/7 |
| 1-May-19 | 215.184 | 192.334 | 20.13 | 195.1 | 2.72 | pump had a power interruption during the night - Restarted this morning and pumping as normal |
| 2-May-19 | 215.184 | 192.334 | 20.23 | 195.0 | 2.62 | pumping 24/7 |
| 6-May-19 | 215.184 | 192.334 | 20.21 | 195.0 | 2.64 | pumped all weekend |
| 7-May-19 | 215.184 | 192.334 | 20.22 | 195.0 | 2.63 | pumping 24/7 |
| 8-May-19 | 215.184 | 192.334 | 20.20 | 195.0 | 2.65 | pumping 24/7 |
| 9-May-19 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | pumping 24/7 |
| 10-May-19 | 215.184 | 192.334 | 20.14 | 195.0 | 2.71 | pumping 24/7 - more extensive rainfall last night and this morning - this spring has lots of above average rainfall events and cooler temperatures |
| 13-May-19 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | Pumped all weekend - more steady rainfall into yesterday |
| 14-May-19 | 215.184 | 192.334 | 20.17 | 195.0 | 2.68 | pumping 24/7 - more rainfall yesterday into today |
| 15-May-19 | 215.184 | 192.334 | 20.17 | 195.0 | 2.68 | pumping 24/7 |
| 16-May-19 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | pumping 24/7 |
| 17-May-19 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | pumping 24/7 |
| 21-May-19 | 215.184 | 192.334 | 20.32 | 194.9 | 2.53 | pumped all weekend |
| 22-May-19 | 215.184 | 192.334 | 20.32 | 194.9 | 2.53 | pumping 24/7 |
| 27-May-19 | 215.184 | 192.334 | 20.43 | 194.8 | 2.42 | pumped all weekend |
| 29-May-19 | 215.184 | 192.334 | 20.44 | 194.7 | 2.41 | pumping 24/7 - wet conditions and still experiencing cooler temperatures |
| 3-Jun-19 | 215.184 | 192.334 | 20.57 | 194.6 | 2.28 | pumped all weekend |
| 4-Jun-19 | 215.184 | 192.334 | 20.58 | 194.6 | 2.27 | pumping 24/7 |
| 6-Jun-19 | 215.184 | 192.334 | 20.61 | 194.6 | 2.24 | pumping 24/7 |
| 10-Jun-19 | 215.184 | 192.334 | 20.67 | 194.5 | 2.18 | pumped all weekend - Blowers off at West Pond 2 blown fuses - 9:25 restart |
| 12-Jun-19 | 215.184 | 192.334 | 20.67 | 194.5 | 2.18 | Pumped turned off last night? Restarted and all is good - might have been a short power outage |
| 13-Jun-19 | 215.184 | 192.334 | 20.54 | 194.6 | 2.31 | Pump turned off again - most likely going dry due to levels in the Temp Pump Station - Plans to install Permanent |
| 14-Jun-19 | 215.184 | 192.334 | 20.53 | 194.7 | 2.32 | no pumping activities - Installing Permanent Pump Station |
| 17-Jun-19 | 215.184 | 192.334 | 20.84 | 194.3 | 2.01 | pumping 24/7 |
| 18-Jun-19 | 215.184 | 192.334 | 20.89 | 194.3 | 1.96 | pumping 24/7 |
| 19-Jun-19 | 215.184 | 192.334 | 20.92 | 194.3 | 1.93 | pumping 24/7 |
| 20-Jun-19 | 215.184 | 192.334 | 20.97 | 194.2 | 1.88 | pumping 24/7 |
| 21-Jun-19 | 215.184 | 192.334 | 21.00 | 194.2 | 1.85 | pumping 24/7 |
| 24-Jun-19 | 215.184 | 192.334 | 21.11 | 194.1 | 1.74 | pumped all weekend |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|--|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 25-Jun-19 | 215.184 | 192.334 | 21.17 | 194.0 | 1.68 | pumping 24/7 |
| 26-Jun-19 | 215.184 | 192.334 | 21.20 | 194.0 | 1.65 | pumping 24/7 |
| 27-Jun-19 | 215.184 | 192.334 | 21.25 | 193.9 | 1.60 | pumping 24/7 |
| 28-Jun-19 | 215.184 | 192.334 | 21.29 | 193.9 | 1.56 | pumping 24/7 |
| 4-Jul-19 | 215.184 | 192.334 | 21.49 | 193.7 | 1.36 | pump turned off last night. Power outage |
| 8-Jul-19 | 215.184 | 192.334 | 21.78 | 193.4 | 1.07 | Pumped all weekend - Turned pump off due to H2S readings at the west sewer discharge point to the sanitary sewer - H2S 30ppm |
| 9-Jul-19 | 215.184 | 192.334 | 21.52 | 193.7 | 1.33 | pump still off since yesterday - this morning we still have H2S issues with reading of 21ppm |
| 11-Jul-19 | 215.184 | 192.334 | 21.80 | 193.4 | 1.05 | pumping during the day and not weekends - starting today unless we experience more extensive rainfall |
| 15-Jul-19 | 215.184 | 192.334 | 21.44 | 193.7 | 1.41 | pump off all weekend - Still only running during the week and only during operational daily hours. |
| 16-Jul-19 | 215.184 | 192.334 | 21.61 | 193.6 | 1.24 | pump now running - this is approx 6 hours after the previous reading on the same day |
| 17-Jul-19 | 215.184 | 192.334 | 21.65 | 193.5 | 1.20 | pumping daytime during operational hours |
| 24-Jul-19 | 215.184 | 192.334 | 21.53 | 193.7 | 1.32 | pumped overnight - pumping will be 24/7 until further notice |
| 25-Jul-19 | 215.184 | 192.334 | 21.72 | 193.5 | 1.13 | pumped overnight - pumping will be 24/7 until further notice |
| 26-Jul-19 | 215.184 | 192.334 | 21.81 | 193.4 | 1.04 | pumped overnight - shutting down for the weekend |
| 29-Jul-19 | 215.184 | 192.334 | 21.67 | 193.5 | 1.18 | pumped overnight 24/7 |
| 30-Jul-19 | 215.184 | 192.334 | 21.67 | 193.5 | 1.18 | pumped overnight 24/7 |
| 31-Jul-19 | 215.184 | 192.334 | 21.84 | 193.3 | 1.01 | pumped overnight 24/7 |
| 1-Aug-19 | 215.184 | 192.334 | 21.92 | 193.3 | 0.93 | pumped overnight 24/7 |
| 6-Aug-19 | 215.184 | 192.334 | 21.72 | 193.5 | 1.13 | pump was off for the 3 day long Civic Holiday weekend - and started early this morning |
| 7-Aug-19 | 215.184 | 192.334 | 21.88 | 193.3 | 0.97 | pumped overnight 24/7 |
| 8-Aug-19 | 215.184 | 192.334 | 21.98 | 193.2 | 0.87 | pumped overnight 24/7 |
| 9-Aug-19 | 215.184 | 192.334 | 22.02 | 193.2 | 0.83 | pumped overnight 24/7 |
| 12-Aug-19 | 215.184 | 192.334 | 21.82 | 193.4 | 1.03 | pump was off for the weekend and restarted early this morning for the week |
| 14-Aug-19 | 215.184 | 192.334 | 22.04 | 193.1 | 0.81 | pumped overnight 24/7 |
| 19-Aug-19 | 215.184 | 192.334 | 22.02 | 193.2 | 0.83 | pump was off for the weekend and restarted early this morning for the week |
| 20-Aug-19 | 215.184 | 192.334 | 22.14 | 193.0 | 0.71 | pumped overnight 24/7 |
| 21-Aug-19 | 215.184 | 192.334 | 22.32 | 192.9 | 0.53 | pumped overnight 24/7 |
| 22-Aug-19 | 215.184 | 192.334 | 22.59 | 192.6 | 0.26 | pumped overnight 24/7 - turned off for the weekend - levels very low at pumping station and non-detect in LS Monitors |
| 26-Aug-19 | 215.184 | 192.334 | 22.04 | 193.1 | 0.81 | pump off all weekend - pump will be started early this morning |
| 27-Aug-19 | 215.184 | 192.334 | 22.62 | 192.6 | 0.23 | pumped overnight level - dropped quickly in 24 hours time - leachate levels extremely low |
| 28-Aug-19 | 215.184 | 192.334 | 22.30 | 192.9 | 0.55 | pump started again early this morning - water level taken at 7:30 am |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|--|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 28-Aug-19 | 215.184 | 192.334 | 22.50 | 192.7 | 0.35 | another level taken at 2:09 pm and level has once again dropped very quickly - will turn off pump for the night so we don't run dry |
| 29-Aug-19 | 215.184 | 192.334 | 22.27 | 192.9 | 0.58 | pump started again early this morning - water level taken at 7:30 am - pump turned off for the weekend due to low levels |
| 3-Sep-19 | 215.184 | 192.334 | 22.05 | 193.1 | 0.80 | pumped overnight 24/7 |
| 4-Sep-19 | 215.184 | 192.334 | 22.12 | 193.1 | 0.73 | pumped overnight 24/7 |
| 5-Sep-19 | 215.184 | 192.334 | 22.22 | 193.0 | 0.63 | pumped overnight 24/7 |
| 6-Sep-19 | 215.184 | 192.334 | 22.48 | 192.7 | 0.37 | pumped overnight 24/7 - pump will be turned off today at 3:00 pm for the weekend due to low levels |
| 9-Sep-19 | 215.184 | 192.334 | 22.22 | 193.0 | 0.63 | pump was off all weekend and started this morning at 8:00 am |
| 10-Sep-19 | 215.184 | 192.334 | 22.48 | 192.7 | 0.37 | pump was shut off due to low levels |
| 11-Sep-19 | 215.184 | 192.334 | 22.30 | 192.9 | 0.55 | pump started again this morning at 8:24 and shut off again at 2:24 pm |
| 13-Sep-19 | 215.184 | 192.334 | 22.49 | 192.7 | 0.36 | Pumped yesterday and overnight and turned off today at 8:15 am |
| 16-Sep-19 | 215.184 | 192.334 | 22.03 | 193.2 | 0.82 | pump was off all weekend due to low levels pump started again this morning approx 8:30 am |
| 17-Sep-19 | 215.184 | 192.334 | 22.29 | 192.9 | 0.56 | pumped overnight 24/7 |
| 18-Sep-19 | 215.184 | 192.334 | 22.62 | 192.6 | 0.23 | pumped overnight level is now extremely low - will turn off the pump this afternoon |
| 19-Sep-19 | 215.184 | 192.334 | 22.59 | 192.6 | 0.26 | turned pump back on and will only pump during the daytime |
| 23-Sep-19 | 215.184 | 192.334 | 22.11 | 193.1 | 0.74 | pump was off all weekend and started this morning and will pump today and overnight |
| 24-Sep-19 | 215.184 | 192.334 | 22.32 | 192.9 | 0.53 | pumped 24/7 |
| 25-Sep-19 | 215.184 | 192.334 | 22.63 | 192.6 | 0.22 | pumped last night - pump is being shutoff due to very low levels |
| 26-Sep-19 | 215.184 | 192.334 | 22.35 | 192.8 | 0.50 | pump is off from yesterday and will be started again this morning |
| 26-Sep-19 | 215.184 | 192.334 | 22.60 | 192.6 | 0.25 | turning pump off due to low levels |
| 30-Sep-19 | 215.184 | 192.334 | 22.17 | 193.0 | 0.68 | pump was off all weekend and started again this morning |
| 1-Oct-19 | 215.184 | 192.334 | 22.36 | 192.8 | 0.49 | pumped last night and will continue overnight 24/7 |
| 1-Oct-19 | 215.184 | 192.334 | 22.43 | 192.8 | 0.42 | pumped last night and will continue overnight 24/7 |
| 2-Oct-19 | 215.184 | 192.334 | 22.66 | 192.5 | 0.19 | pumped overnight last night and levels are very low - pump shutoff this morning until levels return to above critical pump level |
| 3-Oct-19 | 215.184 | 192.334 | 22.32 | 192.9 | 0.53 | pump was shut off due to low levels - pump turned on again this morning |
| 3-Oct-19 | 215.184 | 192.334 | 22.53 | 192.7 | 0.32 | level check in the afternoon at 3:00 pm and levels once again within hours dropped to very low levels and pump will be shutoff again |
| 7-Oct-19 | 215.184 | 192.334 | 21.98 | 193.2 | 0.87 | pump was off all weekend and will be started again this morning |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|---|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 8-Oct-19 | 215.184 | 192.334 | 21.99 | 193.2 | 0.86 | noticed pump was running but no discharge activity - pump was pulled up for inspection and hose had let go from pump end - **being repaired** |
| 21-Oct-19 | 215.184 | 192.334 | 21.46 | 193.7 | 1.39 | pump was repaired and re-installed on Friday October 18th and started today October 21st |
| 21-Oct-19 | 215.184 | 192.334 | 21.60 | 193.6 | 1.25 | reading taken after pump on for a few hours |
| 22-Oct-19 | 215.184 | 192.334 | 21.68 | 193.5 | 1.17 | pumped overnight and leaving pump on overnight tonight |
| 23-Oct-19 | 215.184 | 192.334 | 21.77 | 193.4 | 1.08 | pumped overnight |
| 24-Oct-19 | 215.184 | 192.334 | 21.78 | 193.4 | 1.07 | pumped overnight |
| 25-Oct-19 | 215.184 | 192.334 | 21.73 | 193.5 | 1.12 | pumped during the day only |
| 28-Oct-19 | 215.184 | 192.334 | 21.57 | 193.6 | 1.28 | pump was off for the weekend and restarted this morning |
| 30-Oct-19 | 215.184 | 192.334 | 21.66 | 193.5 | 1.19 | pumped 24/7 |
| 31-Oct-19 | 215.184 | 192.334 | 21.72 | 193.5 | 1.13 | pumped 24/7 |
| 4-Nov-19 | 215.184 | 192.334 | 21.38 | 193.8 | 1.47 | pumped 24/7 |
| 7-Nov-19 | 215.184 | 192.334 | 21.55 | 193.6 | 1.30 | pumped 24/7 |
| 12-Nov-19 | 215.184 | 192.334 | 21.59 | 193.6 | 1.26 | pumped 24/7 - pump was off this past weekend |
| 15-Nov-19 | 215.184 | 192.334 | 21.58 | 193.6 | 1.27 | pumped 24/7 |
| 25-Nov-19 | 215.184 | 192.334 | 21.40 | 193.8 | 1.45 | no pumping since November 20th |
| 27-Nov-19 | 215.184 | 192.334 | 21.32 | 193.9 | 1.53 | no pumping since November 20th |
| 29-Nov-19 | 215.184 | 192.334 | 21.28 | 193.9 | 1.57 | still no pumping level needs to recover to enable us to pump from the temp. station for the winter months |
| 2-Dec-19 | 215.184 | 192.334 | 21.19 | 194.0 | 1.66 | no pumping |
| 4-Dec-19 | 215.184 | 192.334 | 21.12 | 194.1 | 1.73 | no pumping |
| 5-Dec-19 | 215.184 | 192.334 | 21.09 | 194.1 | 1.76 | no pumping |
| 6-Dec-19 | 215.184 | 192.334 | 21.06 | 194.1 | 1.79 | no pumping |
| 9-Dec-19 | 215.184 | 192.334 | 20.95 | 194.2 | 1.90 | no pumping |
| 11-Dec-19 | 215.184 | 192.334 | 20.86 | 194.3 | 1.99 | no pumping |
| 30-Dec-19 | 215.184 | 192.334 | 20.16 | 195.0 | 2.69 | no pumping - Temporary Station's Mixing Tile requires relining before pumping can continue |
| 3-Jan-20 | 215.184 | 192.334 | 19.87 | 195.3 | 2.98 | no pumping - Temporary Station's Mixing Tile requires relining before pumping can continue |
| 6-Jan-20 | 215.184 | 192.334 | 19.78 | 195.4 | 3.07 | no pumping - Temporary Station's Mixing Tile requires relining before pumping can continue |
| 7-Jan-20 | 215.184 | 192.334 | 19.73 | 195.5 | 3.12 | no pumping - Temporary Station's Mixing Tile requires relining before pumping can continue |
| 8-Jan-20 | 215.184 | 192.334 | 19.72 | 195.5 | 3.13 | no pumping - Temporary Station's Mixing Tile requires relining before pumping can continue |
| 13-Jan-20 | 215.184 | 192.334 | 19.08 | 196.1 | 3.77 | chamber was relined from Jan 8th to Jan 10th - pumping started this morning - there had been no pumping since November 2019 |
| 14-Jan-20 | 215.184 | 192.334 | 19.33 | 195.9 | 3.52 | pumped 24/7 |
| 15-Jan-20 | 215.184 | 192.334 | 19.39 | 195.8 | 3.46 | pumped 24/7 |
| 16-Jan-20 | 215.184 | 192.334 | 19.44 | 195.7 | 3.41 | pumped 24/7 |
| 17-Jan-20 | 215.184 | 192.334 | 19.51 | 195.7 | 3.34 | pumped 24/7 |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|---|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 20-Jan-20 | 215.184 | 192.334 | 19.35 | 195.8 | 3.50 | pump was restarted after power clitch |
| 22-Jan-20 | 215.184 | 192.334 | 19.70 | 195.5 | 3.15 | pumped 24/7 |
| 23-Jan-20 | 215.184 | 192.334 | 19.77 | 195.4 | 3.08 | pumped 24/7 |
| 28-Jan-20 | 215.184 | 192.334 | 19.36 | 195.8 | 3.49 | pump was off all weekend - City by-pass - started again this morning |
| 29-Jan-20 | 215.184 | 192.334 | 19.51 | 195.7 | 3.34 | pumped 24/7 |
| 4-Feb-20 | 215.184 | 192.334 | 19.78 | 195.4 | 3.07 | pumped 24/7 |
| 5-Feb-20 | 215.184 | 192.334 | 19.83 | 195.4 | 3.02 | pumped 24/7 |
| 7-Feb-20 | 215.184 | 192.334 | 19.90 | 195.3 | 2.95 | pumped 24/7 |
| 10-Feb-20 | 215.184 | 192.334 | 20.11 | 195.1 | 2.74 | pumped 24/7 all weekend |
| 12-Feb-20 | 215.184 | 192.334 | 20.21 | 195.0 | 2.64 | pumped 24/7 |
| 13-Feb-20 | 215.184 | 192.334 | 20.27 | 194.9 | 2.58 | pumped 24/7 |
| 14-Feb-20 | 215.184 | 192.334 | 20.35 | 194.8 | 2.50 | pumped 24/7 |
| 18-Feb-20 | 215.184 | 192.334 | 20.49 | 194.7 | 2.36 | pumped 24/7 and all long weekend -after today we will be only pumping during the day and batching due to Toluene concentrations |
| 20-Feb-20 | 215.184 | 192.334 | 20.24 | 194.9 | 2.61 | pumped 24/7 |
| 21-Feb-20 | 215.184 | 192.334 | 20.24 | 194.9 | 2.61 | pumped 24/7 |
| 25-Feb-20 | 215.184 | 192.334 | 20.07 | 195.1 | 2.78 | pumped during the day only |
| 3-Mar-20 | 215.184 | 192.334 | 19.46 | 195.7 | 3.39 | pumped 24/7 |
| 16-Mar-20 | 215.184 | 192.334 | 19.80 | 195.4 | 3.05 | pumped 24/7 |
| 17-Mar-20 | 215.184 | 192.334 | 19.89 | 195.3 | 2.96 | pumped 24/7 |
| 19-Mar-20 | 215.184 | 192.334 | 19.99 | 195.2 | 2.86 | pumped 24/7 |
| 20-Mar-20 | 215.184 | 192.334 | 20.02 | 195.2 | 2.83 | pumped 24/7 |
| 23-Mar-20 | 215.184 | 192.334 | 19.79 | 195.4 | 3.06 | no pumping this past weekend pump was restarted this morning at 8:00 am |
| 24-Mar-20 | 215.184 | 192.334 | 19.97 | 195.2 | 2.88 | pumped 24/7 |
| 25-Mar-20 | 215.184 | 192.334 | 20.00 | 195.2 | 2.85 | pumped 24/7 |
| 1-Apr-20 | 215.184 | 192.334 | 20.04 | 195.1 | 2.81 | pumped 24/7 - no weekend pumping |
| 2-Apr-20 | 215.184 | 192.334 | 20.08 | 195.1 | 2.77 | pumped 24/7 - no weekend pumping |
| 7-Apr-20 | 215.184 | 192.334 | 20.11 | 195.1 | 2.74 | pumped 24/7 - no weekend pumping |
| 9-Apr-20 | 215.184 | 192.334 | 20.23 | 195.0 | 2.62 | pumped 24/7 - shutting down for the long Easter weekend |
| 23-Apr-20 | 215.184 | 192.334 | 20.12 | 195.1 | 2.73 | pumped 24/7 - no weekend pumping |
| 28-Apr-20 | 215.184 | 192.334 | 20.19 | 195.0 | 2.66 | pumped 24/7 - no weekend pumping |
| 1-May-20 | 215.184 | 192.334 | 20.35 | 194.8 | 2.50 | pumped 24/7 - no weekend pumping |
| 6-May-20 | 215.184 | 192.334 | 20.00 | 195.2 | 2.85 | pumped 24/7 - no weekend pumping |
| 15-May-20 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | pumping shutdown earlier this week to facilitate work and maintenance on the West Retention Pond |
| 20-May-20 | 215.184 | 192.334 | 19.98 | 195.2 | 2.87 | no pumping since last week |
| 26-May-20 | 215.184 | 192.334 | 20.02 | 195.2 | 2.83 | pump started yesterday - first day of operating the permanent pump this year |
| 28-May-20 | 215.184 | 192.334 | 20.29 | 194.9 | 2.56 | pumped 24/7 with temporary pump - hose issues in the permanent station |
| 8-Jun-20 | 215.184 | 192.334 | 20.30 | 194.9 | 2.55 | pumping during the day only |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|---|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 12-Jun-20 | 215.184 | 192.334 | 20.10 | 195.1 | 2.75 | pumping during the day only |
| 29-Jun-20 | 215.184 | 192.334 | 20.09 | 195.1 | 2.76 | pumping during the day only |
| 3-Jul-20 | 215.184 | 192.334 | 19.98 | 195.2 | 2.87 | pumping during the day only |
| 6-Jul-20 | 215.184 | 192.334 | 20.12 | 195.1 | 2.73 | pumping during the day only |
| 8-Jul-20 | 215.184 | 192.334 | 19.99 | 195.2 | 2.86 | Issue with Permanent Pump - Started up Temporary station until we can fix the issue |
| 14-Jul-20 | 215.184 | 192.334 | 20.00 | 195.2 | 2.85 | Issue with Permanent Pump - Temporary station is operational until we can fix the issue |
| 20-Jul-20 | 215.184 | 192.334 | 20.15 | 195.0 | 2.70 | pumping during the day only |
| 23-Jul-20 | 215.184 | 192.334 | 20.22 | 195.0 | 2.63 | pumping during the day only |
| 29-Jul-20 | 215.184 | 192.334 | 20.14 | 195.0 | 2.71 | Efforts will be made to pump 24hrs a day during the week |
| 7-Aug-20 | 215.184 | 192.334 | 20.35 | 194.8 | 2.50 | pumped 24/7 this week |
| 11-Aug-20 | 215.184 | 192.334 | 20.29 | 194.9 | 2.56 | pumped 24/7 |
| 13-Aug-20 | 215.184 | 192.334 | 20.40 | 194.8 | 2.45 | pumped 24/7 |
| 17-Aug-20 | 215.184 | 192.334 | 20.16 | 195.0 | 2.69 | pump was off all weekend - pumping will continue today no GW |
| 2-Sep-20 | 215.184 | 192.334 | 20.22 | 195.0 | 2.63 | pumping on a couple days a week to allow more aeration time |
| 14-Sep-20 | 215.184 | 192.334 | 20.20 | 195.0 | 2.65 | pumping on a couple days a week to allow more aeration time |
| 25-Sep-20 | 215.184 | 192.334 | 20.27 | 194.9 | 2.58 | pumping on a couple days a week to allow more aeration time |
| 5-Oct-20 | 215.184 | 192.334 | 20.45 | 194.7 | 2.40 | |
| 16-Oct-20 | 215.184 | 192.334 | 20.93 | 194.3 | 1.92 | pumping 6 days straight 24 hours a day |
| 30-Oct-20 | 215.184 | 192.334 | 20.38 | 194.8 | 2.47 | pump off for a week to repair West Aeration Pond |
| 3-Nov-20 | 215.184 | 192.334 | 20.72 | 194.5 | 2.13 | Pumping 2 days a week - Batch Pumping for longer aeration times |
| 12-Nov-20 | 215.184 | 192.334 | 20.36 | 194.8 | 2.49 | pump off again for a week to repair West Aeration Pond |
| 19-Nov-20 | 215.184 | 192.334 | 19.85 | 195.3 | 3.00 | pump has been off for about a week for West Aeration Pond repairs |
| 24-Nov-20 | 215.184 | 192.334 | 20.54 | 194.6 | 2.31 | |
| 2-Dec-20 | 215.184 | 192.334 | 20.12 | 195.1 | 2.73 | |
| 10-Dec-20 | 215.184 | 192.334 | 19.78 | 195.4 | 3.07 | pumping on a couple days a week to allow more aeration time |
| 14-Dec-20 | 215.184 | 192.334 | 19.80 | 195.4 | 3.05 | pumped 24 hours |
| 15-Dec-20 | 215.184 | 192.334 | 20.03 | 195.2 | 2.82 | pump off |
| 28-Dec-20 | 215.184 | 192.334 | 19.30 | 195.9 | 3.55 | pump off |
| 4-Jan-21 | 215.184 | 192.334 | 19.29 | 195.9 | 3.56 | pumped 24/7 |
| 6-Jan-21 | 215.184 | 192.334 | 19.73 | 195.5 | 3.12 | pumped 24/7 |
| 11-Jan-21 | 215.184 | 192.334 | 19.44 | 195.7 | 3.41 | pump off all weekend - no puming today - pond is too full on the westside - pond closed to extend the duration of aeration time |
| 14-Jan-21 | 215.184 | 192.334 | 19.58 | 195.6 | 3.27 | pumped for 2 day non-stop |
| 20-Jan-21 | 215.184 | 192.334 | 19.43 | 195.8 | 3.42 | still pumping overnight |
| 27-Jan-21 | 215.184 | 192.334 | 19.74 | 195.4 | 3.11 | pumped all week - will be off for the weekend |
| 3-Feb-21 | 215.184 | 192.334 | 19.82 | 195.4 | 3.03 | |
| 8-Feb-21 | 215.184 | 192.334 | 19.98 | 195.2 | 2.87 | pumped steady all last week and weekend |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|---|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 26-Feb-21 | 215.184 | 192.334 | 20.03 | 195.2 | 2.82 | pump off since last week - no puming today - pond is too full on the westside - pond closed to extend the duration of aeration time |
| 3-Mar-21 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | pumping 24 hours a day for the past week |
| 5-Mar-21 | 215.184 | 192.334 | 20.22 | 195.0 | 2.63 | pumping 24 hours a day for the past week |
| 8-Mar-21 | 215.184 | 192.334 | 20.37 | 194.8 | 2.48 | pumping 24 hours a day for the past week |
| 9-Mar-21 | 215.184 | 192.334 | 20.43 | 194.8 | 2.42 | pumping 24 hours a day for the past week |
| 19-Mar-21 | 215.184 | 192.334 | 20.18 | 195.0 | 2.67 | pump has been off since this past Monday |
| 23-Mar-21 | 215.184 | 192.334 | 20.53 | 194.7 | 2.32 | pump has been turned back on for 2 days now |
| 1-Apr-21 | 215.184 | 192.334 | 20.48 | 194.7 | 2.37 | pumping for 4 days straight 24 hours per day |
| 7-Apr-21 | 215.184 | 192.334 | 20.80 | 194.4 | 2.05 | Pumping since last week |
| 16-Apr-21 | 215.184 | 192.334 | 20.42 | 194.8 | 2.43 | Pump off for a week |
| 21-Apr-21 | 215.184 | 192.334 | 20.69 | 194.5 | 2.16 | Pumping for 2 days straight |
| 23-Apr-21 | 215.184 | 192.334 | 20.80 | 194.4 | 2.05 | Pumping since this past Monday |
| 26-Apr-21 | 215.184 | 192.334 | 20.86 | 194.3 | 1.99 | Pumping steady for 7 days |
| 3-May-21 | 215.184 | 192.334 | 20.61 | 194.6 | 2.24 | Pump off for one week now |
| 7-May-21 | 215.184 | 192.334 | 20.84 | 194.3 | 2.01 | |
| 11-May-21 | 215.184 | 192.334 | 20.80 | 194.4 | 2.05 | pump off for 3 days |
| 14-May-21 | 215.184 | 192.334 | 20.78 | 194.4 | 2.07 | pump off |
| 20-May-21 | 215.184 | 192.334 | 20.93 | 194.3 | 1.92 | pump on |
| 21-May-21 | 215.184 | 192.334 | 20.93 | 194.3 | 1.92 | pump on |
| 22-May-21 | 215.184 | 192.334 | 20.97 | 194.2 | 1.88 | pump on |
| 25-May-21 | 215.184 | 192.334 | 20.93 | 194.3 | 1.92 | pump off all weekend turned on today |
| 26-May-21 | 215.184 | 192.334 | 20.98 | 194.2 | 1.87 | pump on |
| 27-May-21 | 215.184 | 192.334 | 21.05 | 194.1 | 1.80 | pump on |
| 28-May-21 | 215.184 | 192.334 | 21.10 | 194.1 | 1.75 | pump on |
| 1-Jun-21 | 215.184 | 192.334 | 21.09 | 194.1 | 1.76 | pump off all weekend |
| 7-Jun-21 | 215.184 | 192.334 | 20.80 | 194.4 | 2.05 | pump still off |
| 11-Jun-21 | 215.184 | 192.334 | 20.95 | 194.2 | 1.90 | pump on for four hours |
| 5-Jul-21 | 215.184 | 192.334 | 20.30 | 194.9 | 2.55 | main pump has been off since beginning of June for aeration pond maintenance |
| 9-Jul-21 | 215.184 | 192.334 | 20.35 | 194.8 | 2.50 | main pump has been off since beginning of June for aeration pond maintenance |
| 19-Jul-21 | 215.184 | 192.334 | 20.13 | 195.1 | 2.72 | main pump has been off since beginning of June for aeration pond maintenance |
| 23-Jul-21 | 215.184 | 192.334 | 20.13 | 195.1 | 2.72 | main pump has been off since beginning of June for aeration pond maintenance |
| 30-Jul-21 | 215.184 | 192.334 | 20.05 | 195.1 | 2.80 | main pump has been off since beginning of June for aeration pond maintenance |
| 7-Aug-21 | 215.184 | 192.334 | 20.40 | 194.8 | 2.45 | pump now in operation for approx 3 days |
| 10-Aug-21 | 215.184 | 192.334 | 20.10 | 195.1 | 2.75 | pump off again for approx 3 days |
| 17-Aug-21 | 215.184 | 192.334 | 19.98 | 195.2 | 2.87 | pump off for maintenance on metering dosing pump |
| 23-Aug-21 | 215.184 | 192.334 | 19.97 | 195.2 | 2.88 | pump off for maintenance on metering dosing pump |
| 30-Aug-21 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | pump off for maintenance on metering dosing pump |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|--|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 3-Sep-21 | 215.184 | 192.334 | 19.63 | 195.6 | 3.22 | pump off for maintenance on metering dosing pump |
| 8-Sep-21 | 215.184 | 192.334 | 19.45 | 195.7 | 3.40 | pump off for maintenance on metering dosing pump |
| 16-Sep-21 | 215.184 | 192.334 | 19.43 | 195.8 | 3.42 | pump turned on at 12:30pm |
| 17-Sep-21 | 215.184 | 192.334 | 19.56 | 195.6 | 3.29 | pumping 24 hours a day |
| 20-Sep-21 | 215.184 | 192.334 | 19.67 | 195.5 | 3.18 | Pumping 24 hours a day |
| 21-Sep-21 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | pumping 24 hours a day |
| 22-Sep-21 | 215.184 | 192.334 | 19.83 | 195.4 | 3.02 | shutdown at 2:45pm by City of Hamilton due to rair |
| 23-Sep-21 | 215.184 | 192.334 | 19.41 | 195.8 | 3.44 | Pump off all day, turned on over night |
| 24-Sep-21 | 215.184 | 192.334 | 19.71 | 195.5 | 3.14 | Pumping started late last night |
| 27-Sep-21 | 215.184 | 192.334 | 19.82 | 195.4 | 3.03 | Pumping 24 hours a day |
| 28-Sep-21 | 215.184 | 192.334 | 19.84 | 195.3 | 3.01 | Pumping turned off in the morning, then turned back on in the afternoon (off for ~4 hours a day) |
| 29-Sep-21 | 215.184 | 192.334 | 19.82 | 195.4 | 3.03 | Pumping turned off in the morning, then turned back on in the afternoon (off for ~4 hours a day) |
| 30-Sep-21 | 215.184 | 192.334 | 19.64 | 195.5 | 3.21 | Pumping during operation hours |
| 1-Oct-21 | 215.184 | 192.334 | 19.81 | 195.4 | 3.04 | Pumping during operation hours |
| 4-Oct-21 | 215.184 | 192.334 | 19.63 | 195.6 | 3.22 | Pump turned off last night (11pm), still off due to rain |
| 5-Oct-21 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | Pumping during operatoion hours |
| 7-Oct-21 | 215.184 | 192.334 | 19.69 | 195.5 | 3.16 | pumping during operation hours |
| 8-Oct-21 | 215.184 | 192.334 | 20.00 | 195.2 | 2.85 | pumping 24 hours a day |
| 12-Oct-21 | 215.184 | 192.334 | 19.97 | 195.2 | 2.88 | Pump turned off over the weekend (Saturday) due to rain and turned back on |
| 13-Oct-21 | 215.184 | 192.334 | 20.04 | 195.1 | 2.81 | Pumping 24 hours a day |
| 18-Oct-21 | 215.184 | 192.334 | 19.64 | 195.5 | 3.21 | Pumping during operation hours |
| 19-Oct-21 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | Pumping during operation hours |
| 20-Oct-21 | 215.184 | 192.334 | 19.69 | 195.5 | 3.16 | Pumping turned on at 1pm - Turned off at 7pm |
| 21-Oct-21 | 215.184 | 192.334 | 19.62 | 195.6 | 3.23 | Pumping turned on at 2pm - Turned off at 9pm |
| 22-Oct-21 | 215.184 | 192.334 | 19.60 | 195.6 | 3.25 | Pump Off |
| 26-Oct-21 | 215.184 | 192.334 | 19.27 | 195.9 | 3.58 | Pumping from 3pm Friday 10/22 - turned off at 3pm Sunday 10/24 due to rain |
| 1-Nov-21 | 215.184 | 192.334 | 19.37 | 195.8 | 3.48 | Pumping off Friday and over Weekend due to heavy rain - Pumping turned on Sunday Morning |
| 2-Nov-21 | 215.184 | 192.334 | 19.42 | 195.8 | 3.43 | pumping on all day |
| 3-Nov-21 | 215.184 | 192.334 | 19.48 | 195.7 | 3.37 | Pumping on all day |
| 4-Nov-21 | 215.184 | 192.334 | 19.55 | 195.6 | 3.30 | Pumping all day |
| 5-Nov-21 | 215.184 | 192.334 | 19.50 | 195.7 | 3.35 | Pumping on all day |
| 8-Nov-21 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | Pumping on over the weekend |
| 9-Nov-21 | 215.184 | 192.334 | 19.67 | 195.5 | 3.18 | pumping all day |
| 10-Nov-21 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | pumping all day |
| 11-Nov-21 | 215.184 | 192.334 | 19.69 | 195.5 | 3.16 | pumping all day |
| 15-Nov-21 | 215.184 | 192.334 | 19.69 | 195.5 | 3.16 | pumping all day |
| 16-Nov-21 | 215.184 | 192.334 | 19.68 | 195.5 | 3.17 | Pumping all day |
| 17-Nov-21 | 215.184 | 192.334 | 20.11 | 195.1 | 2.74 | Pumping all day |
| 18-Nov-21 | 215.184 | 192.334 | 20.19 | 195.0 | 2.66 | Pumping all day |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation based on GHD survey, July 10, 2017

| Leachate Pumping Station | | | | | | |
|--------------------------|---------------------------------|---------------------------------|--|----------------------------|-------------------------------------|-----------------------------|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Leachate Depth to Bottom of LCS (m) | Notes |
| 19-Nov-21 | 215.184 | 192.334 | 20.25 | 194.9 | 2.60 | Pumping all day |
| 22-Nov-21 | 215.184 | 192.334 | 20.33 | 194.9 | 2.52 | Pumping on over the weekend |
| 24-Nov-21 | 215.184 | 192.334 | 20.52 | 194.7 | 2.33 | Pumping all day |
| 30-Nov-21 | 215.184 | 192.334 | 20.73 | 194.5 | 2.12 | Pumping all day |
| 1-Dec-21 | 215.184 | 192.334 | 20.77 | 194.4 | 2.08 | pumping all day |
| 2-Dec-21 | 215.184 | 192.334 | 20.82 | 194.4 | 2.03 | Pumping all day |
| 3-Dec-21 | 215.184 | 192.334 | 20.88 | 194.3 | 1.97 | pumping all day |
| 9-Dec-21 | 215.184 | 192.334 | 21.12 | 194.1 | 1.73 | pumping all day |
| 29-Dec-21 | 215.184 | 192.334 | 20.65 | 194.5 | 2.20 | Pump Off |
| 30-Dec-21 | 215.184 | 192.334 | 20.63 | 194.6 | 2.22 | Pump off |
| 31-Dec-21 | 215.184 | 192.334 | 20.61 | 194.6 | 2.24 | Pump off |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation surveyed by GHD - October 7, 2021

| LS1 Monitor | | | | | | |
|-------------|---------------------------------|---------------------------------|--|------------------------------|--|-------------------------------------|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Total Depth - Manual Depth with WL Meter | Leachate Depth to Bottom of LCS (m) |
| 30-Jul-18 | pending survey | pending | 17.103 | pending | 17.110 | 0.01 |
| 31-Jul-18 | pending survey | pending | 17.103 | pending | 17.110 | 0.01 |
| 1-Aug-18 | pending survey | pending | 17.103 | pending | 17.110 | 0.01 |
| 2-Aug-18 | pending survey | pending | 17.103 | pending | 17.110 | 0.01 |
| 22-Aug-18 | pending survey | pending | 17.110 | pending | 17.110 | 0.00 |
| 10-Sep-18 | pending survey | pending | 17.110 | pending | 17.110 | 0.00 |
| 1-Oct-18 | pending survey | pending | 17.110 | pending | 17.110 | 0.00 |
| 12-Nov-18 | pending survey | pending | 17.110 | pending | 17.110 | 0.00 |
| 10-Dec-18 | pending survey | pending | 17.110 | pending | 17.110 | 0.00 |
| 7-Jan-19 | pending survey | pending | 17.110 | pending | 17.110 | 0.00 |
| 11-Feb-19 | pending survey | pending | 17.020 | pending | 17.110 | 0.09 |
| 11-Mar-19 | pending survey | pending | 17.090 | pending | 17.110 | 0.02 |
| 4-Apr-19 | pending survey | pending | 17.100 | pending | 17.110 | 0.01 |
| 13-May-19 | pending survey | pending | 17.100 | pending | 17.110 | 0.01 |
| 4-Jun-19 | pending survey | pending | 17.110 | pending | 17.110 | 0.00 |
| 5-Jul-19 | pending survey | pending | 17.110 | pending | 17.110 | 0.00 |
| 19-Aug-19 | pending survey | pending | 17.100 | pending | 17.110 | 0.01 |
| 9-Sep-19 | pending survey | pending | 17.100 | pending | 17.110 | 0.01 |
| 7-Oct-19 | pending survey | pending | 17.100 | pending | 17.110 | 0.01 |
| 4-Nov-20 | pending survey | pending | 17.100 | pending | 17.110 | 0.01 |
| 2-Dec-20 | | | | Cap removal not accessible | | |
| 6-Jan-20 | | | | Cap removal not accessible | | |
| 10-Feb-20 | | | | Cap removal not accessible | | |
| 11-Mar-20 | | | | Cap removal not accessible | | |
| 7-Apr-20 | | | | Cap removal not accessible | | |
| 1-Jun-20 | | | | Cap removal not accessible | | |
| 3-Jul-20 | 217.213 | 194.733 | 22.400 | 194.81 | 22.480 | 0.08 |
| 24-Jul-20 | 217.213 | 194.733 | 22.380 | 194.83 | 22.480 | 0.10 |
| 5-Aug-20 | 217.213 | 194.733 | 22.350 | 194.86 | 22.480 | 0.13 |
| 14-Sep-20 | 217.213 | 194.733 | 22.400 | 194.81 | 22.480 | 0.08 |
| 5-Oct-20 | 217.213 | 194.733 | 22.400 | 194.81 | 22.480 | 0.08 |
| 3-Nov-20 | 217.213 | 194.733 | 22.380 | 194.83 | 22.480 | 0.10 |
| 2-Dec-20 | 217.213 | 194.733 | 22.330 | 194.88 | 22.480 | 0.15 |
| 4-Jan-21 | 217.213 | 194.733 | 21.700 | 195.51 | 22.480 | 0.78 |
| 3-Feb-21 | 217.213 | 194.733 | 22.050 | 195.16 | 22.480 | 0.43 |
| 8-Feb-21 | 217.213 | 194.733 | 22.310 | 194.90 | 22.480 | 0.17 |
| 26-Feb-21 | 217.213 | 194.733 | 22.280 | 194.93 | 22.480 | 0.20 |
| 1-Mar-21 | 217.213 | 194.733 | 22.250 | 194.96 | 22.480 | 0.23 |
| 9-Mar-21 | 217.213 | 194.733 | 22.390 | 194.82 | 22.480 | 0.09 |
| 23-Mar-21 | 217.213 | 194.733 | 22.370 | 194.84 | 22.480 | 0.11 |
| 25-Mar-21 | 217.213 | 194.733 | 22.380 | 194.83 | 22.480 | 0.10 |
| 5-Apr-21 | 217.213 | 194.733 | 22.380 | 194.83 | 22.480 | 0.10 |
| 17-May-21 | | | | No access capping of Phase 1 | | |
| 18-Jun-21 | 217.213 | 194.733 | 22.400 | 194.81 | 22.480 | 0.08 |
| 17-Aug-21 | 217.213 | 194.733 | 22.420 | 194.79 | 22.480 | 0.06 |
| 29-Sep-21 | 217.213 | 194.733 | 22.040 | 195.17 | 22.480 | 0.44 |
| 12-Oct-21 | 217.213 | 194.733 | 22.110 | 195.10 | 22.480 | 0.37 |
| 16-Nov-21 | 217.213 | 194.733 | 22.280 | 194.93 | 22.480 | 0.20 |
| 15-Dec-21 | 217.213 | 194.733 | 22.390 | 194.82 | 22.480 | 0.09 |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation surveyed by GHD - October 7, 2021

| LS2 Monitor | | | | | | |
|-------------|---------------------------------|---------------------------------|---|----------------------------|--|-------------------------------------|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Total Depth - Manual Depth with WL Meter | Leachate Depth to Bottom of LCS (m) |
| 20-Aug-18 | - | - | 13.780 | - | 13.890 | 0.11 |
| 22-Aug-18 | - | - | 13.780 | - | 13.890 | 0.11 |
| 10-Sep-18 | - | - | 13.770 | - | 13.890 | 0.12 |
| 1-Oct-18 | - | - | 13.770 | - | 13.890 | 0.12 |
| 12-Nov-18 | - | - | 13.810 | - | 13.890 | 0.08 |
| 10-Dec-18 | - | - | 13.820 | - | 13.890 | 0.07 |
| 7-Jan-19 | - | - | 13.810 | - | 13.890 | 0.08 |
| 7-Jan-19 | - | - | 13.040 | - | 13.340 | 0.30 |
| 11-Feb-19 | - | - | 13.040 | - | 13.890 | 0.85 |
| 11-Mar-19 | - | - | 13.040 | - | 13.890 | 0.85 |
| 3-Apr-19 | - | - | 13.030 | - | 13.890 | 0.86 |
| 13-May-19 | - | - | 13.010 | - | 13.890 | 0.88 |
| 4-Jun-19 | - | - | 13.010 | - | 13.890 | 0.88 |
| 5-Jul-19 | - | - | 13.050 | - | 13.890 | 0.84 |
| 19-Aug-19 | 221.984 | 208.634 | 12.840 | 209.1 | 13.350 | 0.51 |
| 9-Sep-19 | 221.984 | 208.634 | 12.850 | 209.1 | 13.350 | 0.50 |
| 7-Oct-19 | 221.984 | 208.634 | 12.770 | 209.2 | 13.350 | 0.58 |
| 8-Oct-19 | 221.984 | 208.634 | 12.720 | 209.3 | 13.350 | 0.63 |
| 9-Oct-19 | 221.984 | 208.634 | 12.720 | 209.3 | 13.350 | 0.63 |
| 6-Jan-20 | 221.984 | 208.634 | 12.660 | 209.3 | 13.350 | 0.69 |
| 10-Feb-20 | 221.984 | 208.634 | 12.610 | 209.4 | 13.350 | 0.74 |
| 11-Mar-20 | 221.984 | 208.634 | 12.580 | 209.4 | 13.350 | 0.77 |
| 7-Apr-20 | 221.984 | 208.634 | 12.590 | 209.4 | 13.350 | 0.76 |
| 12-May-20 | 221.984 | 208.634 | 12.980 | 209.0 | 13.350 | 0.37 |
| 4-Jun-20 | 221.984 | 208.634 | 12.750 | 209.2 | 13.350 | 0.60 |
| 3-Jul-20 | | | Cap removal not accessible | | | |
| 5-Aug-20 | 221.984 | 208.634 | 12.500 | 209.5 | 13.350 | 0.85 |
| 14-Sep-20 | 221.984 | 208.634 | 12.350 | 209.6 | 13.350 | 1.00 |
| 5-Oct-20 | 221.984 | 208.634 | 12.300 | 209.7 | 13.350 | 1.05 |
| 3-Nov-20 | 221.984 | 208.634 | 12.380 | 209.6 | 13.350 | 0.97 |
| 2-Dec-20 | 221.984 | 208.634 | 12.220 | 209.8 | 13.350 | 1.13 |
| 4-Jan-21 | 221.984 | 208.634 | 11.570 | 210.4 | 13.350 | 1.78 |
| 3-Feb-21 | 221.984 | 208.634 | 12.010 | 210.0 | 13.350 | 1.34 |
| 8-Feb-21 | 221.984 | 208.634 | 12.010 | 210.0 | 13.350 | 1.34 |
| 26-Feb-21 | 221.984 | 208.634 | 12.010 | 210.0 | 13.350 | 1.34 |
| 1-Mar-21 | 221.984 | 208.634 | 11.990 | 210.0 | 13.350 | 1.36 |
| 9-Mar-21 | 221.984 | 208.634 | 12.170 | 209.8 | 13.350 | 1.18 |
| 23-Mar-21 | 221.984 | 208.634 | 12.230 | 209.8 | 13.350 | 1.12 |
| 25-Mar-21 | 221.984 | 208.634 | 12.230 | 209.8 | 13.350 | 1.12 |
| 7-May-21 | 221.984 | 208.634 | 12.380 | 209.6 | 13.350 | 0.97 |
| 18-Jun-21 | 221.984 | 208.634 | 12.340 | 209.6 | 13.350 | 1.01 |
| 17-Aug-21 | 221.984 | 208.634 | 12.260 | 209.7 | 13.350 | 1.09 |
| 29-Sep-21 | | | Holding water after attempting to flush - requires more maintenance to remove block | | | |
| 12-Oct-21 | | | Holding water after attempting to flush - requires more maintenance to remove block | | | |
| 11-Nov-21 | | | Holding water after attempting to flush - requires more maintenance to remove block | | | |
| 15-Dec-21 | | | Holding water after attempting to flush - requires more maintenance to remove block | | | |

Project: GFL Stoney Creek Regional Facility
Title: Leachate Measurements
References: Depth to Leachate based on levels measured by GFL
 Top of Casing Elevation **pending survey**

| LS3 Monitor | | | | | | |
|-------------|---------------------------------|---------------------------------|--|----------------------------|--|-------------------------------------|
| Date | Top of Casing Elevation (mAMSL) | Bottom of LCS Elevation (mAMSL) | Measured Depth to Leachate from Top of Cleanout Casing (m) | Leachate Elevation (mAMSL) | Total Depth - Manual Depth with WL Meter | Leachate Depth to Bottom of LCS (m) |
| 9-Jan-17 | pending survey | pending | 14.220 | pending | 15.380 | 1.16 |
| 14-Feb-17 | pending survey | pending | 14.140 | pending | 15.380 | 1.24 |
| 13-Mar-17 | pending survey | pending | 13.790 | pending | 15.380 | 1.59 |
| 10-Apr-17 | pending survey | pending | 13.630 | pending | 15.380 | 1.75 |
| 16-May-17 | pending survey | pending | 13.620 | pending | 15.380 | 1.76 |
| 7-Jun-17 | pending survey | pending | 14.000 | pending | 15.380 | 1.38 |
| 10-Jul-17 | pending survey | pending | 14.980 | pending | 15.380 | 0.40 |
| 8-Aug-17 | pending survey | pending | 14.970 | pending | 15.380 | 0.41 |
| 8-Sep-17 | pending survey | pending | 14.800 | pending | 15.380 | 0.58 |
| 11-Oct-17 | pending survey | pending | 15.100 | pending | 15.380 | 0.28 |
| 6-Nov-17 | pending survey | pending | 14.760 | pending | 15.380 | 0.62 |
| 4-Dec-17 | pending survey | pending | 14.680 | pending | 15.380 | 0.70 |
| 3-Jan-18 | pending survey | pending | 14.410 | pending | 15.380 | 0.97 |
| 14-Feb-18 | pending survey | pending | 14.830 | pending | 15.380 | 0.55 |
| 12-Mar-18 | pending survey | pending | 14.460 | pending | 15.380 | 0.92 |
| 9-Apr-18 | pending survey | pending | 15.160 | pending | 15.380 | 0.22 |
| 8-May-18 | pending survey | pending | 14.790 | pending | 15.380 | 0.59 |
| 11-Jun-18 | pending survey | pending | 15.170 | pending | 15.380 | 0.21 |
| 3-Jul-18 | pending survey | pending | 15.130 | pending | 15.380 | 0.25 |
| 30-Jul-18 | pending survey | pending | 15.330 | pending | 15.380 | 0.05 |
| 31-Jul-18 | pending survey | pending | 15.330 | pending | 15.380 | 0.05 |
| 1-Aug-18 | pending survey | pending | 15.330 | pending | 15.380 | 0.05 |
| 2-Aug-18 | pending survey | pending | 15.330 | pending | 15.380 | 0.05 |
| 22-Aug-18 | pending survey | pending | 15.330 | pending | 15.380 | 0.05 |
| 22-Aug-18 | pending survey | pending | 15.380 | pending | 15.380 | 0.00 |
| 10-Sep-18 | pending survey | pending | 15.380 | pending | 15.380 | 0.00 |
| 1-Oct-18 | pending survey | pending | 15.380 | pending | 15.380 | 0.00 |
| 12-Nov-18 | pending survey | pending | 15.380 | pending | 15.380 | 0.00 |
| 10-Dec-18 | pending survey | pending | 15.380 | pending | 15.380 | 0.00 |
| 7-Jan-19 | pending survey | pending | 14.820 | pending | 15.380 | 0.56 |
| 14-Jan-19 | pending survey | pending | 14.780 | pending | 15.380 | 0.60 |
| 11-Feb-19 | pending survey | pending | 14.460 | pending | 15.380 | 0.92 |
| 11-Mar-19 | pending survey | pending | 14.600 | pending | 15.380 | 0.78 |
| 3-Apr-19 | pending survey | pending | 14.750 | pending | 15.380 | 0.63 |
| 13-May-19 | pending survey | pending | 14.760 | pending | 15.380 | 0.62 |
| 4-Jun-19 | pending survey | pending | 15.150 | pending | 15.380 | 0.23 |
| 5-Jul-19 | pending survey | pending | 15.380 | pending | 15.380 | 0.00 |
| 19-Aug-19 | pending survey | pending | 15.360 | pending | 15.380 | 0.02 |
| 9-Sep-19 | pending survey | pending | 15.380 | pending | 15.380 | 0.00 |
| 7-Oct-19 | pending survey | pending | 15.380 | pending | 15.380 | 0.00 |
| 4-Nov-20 | pending survey | pending | 15.360 | pending | 15.380 | 0.02 |
| 2-Dec-20 | pending survey | pending | 15.310 | pending | 15.380 | 0.07 |
| 6-Jan-20 | | | Cap removal not accessible | | | |
| 10-Feb-20 | | | Cap removal not accessible | | | |
| 11-Mar-20 | | | Cap removal not accessible | | | |
| 7-Apr-20 | | | Cap removal not accessible | | | |
| 12-May-20 | | | Cap removal not accessible | | | |
| 4-Jun-20 | | | Cap removal not accessible | | | |
| 3-Jul-20 | | | Cap removal not accessible | | | |
| 5-Aug-20 | pending survey | pending | 14.570 | pending | 15.380 | 0.81 |
| 14-Sep-20 | pending survey | pending | 14.780 | pending | 15.380 | 0.60 |
| 5-Oct-20 | pending survey | pending | 14.850 | pending | 15.380 | 0.53 |
| 3-Nov-20 | pending survey | pending | 15.100 | pending | 15.380 | 0.28 |
| 2-Dec-20 | pending survey | pending | 14.670 | pending | 15.380 | 0.71 |
| 4-Jan-21 | | | Construction Activities not accessible | | | |
| 3-Feb-21 | pending survey | pending | 14.320 | pending | 15.380 | 1.06 |
| 8-Feb-21 | pending survey | pending | 14.500 | pending | 15.380 | 0.88 |
| 26-Feb-21 | pending survey | pending | 14.520 | pending | 15.380 | 0.86 |
| 1-Mar-21 | pending survey | pending | 14.530 | pending | 15.380 | 0.85 |
| 11-Mar-21 | pending survey | pending | 14.900 | pending | 15.380 | 0.48 |
| 23-Mar-21 | pending survey | pending | 14.910 | pending | 15.380 | 0.47 |
| 25-Mar-21 | pending survey | pending | 15.020 | pending | 15.380 | 0.36 |
| 5-Apr-21 | pending survey | pending | 15.190 | pending | 15.380 | 0.19 |
| 17-May-21 | | | inaccessible due to extension for landfill expansion | | | |
| 18-Jun-21 | | | inaccessible due to extension for landfill expansion | | | |
| 8-Jul-21 | | | inaccessible due to extension for landfill expansion | | | |
| 17-Aug-21 | | | inaccessible due to extension for landfill expansion | | | |
| 29-Sep-21 | | | inaccessible due to extension for landfill expansion | | | |
| 29-Oct-21 | | | inaccessible due to extension for landfill expansion | | | |
| 11-Nov-21 | | | inaccessible due to extension for landfill expansion | | | |
| 15-Dec-21 | | | inaccessible due to extension for landfill expansion | | | |

Appendix K

**Monitor Details, Water Level Elevations,
and Hydrographs**

Appendix K.1

Current Monitor Details

Appendix K.1

Monitoring Location Details
GFL Environmental Stoney Creek Regional Facility
Stoney Creek, Ontario

| Monitor | UTM Coordinates Easting | UTM Coordinates Northing | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Unit | Trigger Monitoring Well |
|-------------------------------|----------------------------|-----------------------------|------------------------|---------|------------------------------|----------------|-------------------------------|
| | | | Current | Drilled | | | |
| <u>SHALLOW/ERAMOSA</u> | | | | | | | |
| 35-V | 598766.96 | 4783121.48 | 201.16 | 201.16 | 200.42 | ERAMOSA | Y |
| 36-IVR | 599151.13 | 4782990.73 | 204.45 | - | 203.74 | ERAMOSA | Y |
| 41-III | 598543.43 | 4783427.71 | 192.68 | 192.68 | 191.78 | OB | Y |
| G11 | - | - | - | - | - | SHALLOW/ERAMOS | |
| G13 | - | - | - | - | - | SHALLOW/ERAMOS | Y |
| G24 | - | - | - | - | - | SHALLOW/ERAMOS | Y |
| G27 | 599224.51 | 4783187.51 | - | 205.05 | 204.34 | SHALLOW/ERAMOS | |
| P10-V | 598564.99 | 4783158.70 | 200.18 | 200.18 | 199.41 | ERAMOSA | Y |
| P9-II | 598971.97 | 4783039.40 | 203.58 | 203.58 | 202.89 | ERAMOSA | Y |
| 69-VI | 599690.55 | 4782672.07 | 207.53 | 207.53 | 206.98 | OB | |
| M5 | 599126.88 | 4783650.08 | 195.60 | - | - | PUMPWELL | |
| M5a | 599126.88 | 4783650.08 | - | - | - | PUMPWELL | |
| M5R | 599126.88 | 4783650.08 | - | - | - | PUMPWELL | |
| 47-IV | 599916.10 | 4783757.61 | 202.67 | 202.67 | 201.88 | ERAMOSA | |
| 48-IV | 600210.28 | 4783626.40 | 204.55 | 204.55 | 203.80 | ERAMOSA | |
| 49-IV | 600078.68 | 4783185.20 | 208.04 | 208.04 | 207.27 | ERAMOSA | |
| 50-II | 599971.17 | 4782925.22 | 207.98 | 207.98 | 207.20 | ERAMOSA | |
| 51-V | 599625.07 | 4782890.91 | 213.32 | 208.38 | 212.68 | ERAMOSA | |
| 52-III | 599455.00 | 4783112.00 | 205.50 | 205.50 | 204.65 | ERAMOSA | |
| 68-V | 598485.75 | 4783298.19 | 200.02 | 200.02 | 199.19 | ERAMOSA | |
| 69-V | 599691.90 | 4782671.82 | 207.54 | 207.54 | 206.98 | ERAMOSA | |
| 74-V | 599486.94 | 4782489.52 | 206.90 | 206.90 | 206.22 | ERAMOSA | |
| 77-V | 599920.40* | 478277.10* | - | - | - | SHALLOW/ERAMOS | |
| P4-IV | 598571.15 | 4783267.68 | 200.39 | 200.39 | 199.66 | ERAMOSA | |
| P8-II | 599223.59 | 4783184.32 | 205.05 | 205.05 | 204.34 | ERAMOSA | |
| <u>VFZ</u> | | | | | | | |
| 47-III | 599915.42 | 4783759.88 | 202.43 | 202.43 | 201.74 | VFZ | Y |
| 48-V | 600209.20 | 4783627.24 | 204.60 | 204.60 | 203.80 | VFZ | Y |
| 60-III | 599769.19 | 4783806.80 | 201.21 | 201.21 | 200.37 | VFZ | Y |
| 61-III | 600071.63 | 4783714.93 | 202.44 | 202.44 | 201.71 | VFZ | Y |
| 68-IV | 598486.68 | 4783298.99 | 200.01 | 200.01 | 199.17 | VFZ | Y |
| 29-II | 599586.44 | 4783650.17 | 195.07 | 195.20 | 194.16 | VFZ | |
| 32-I | 598703.14 | 4783242.86 | 204.69 | 203.47 | 202.85 | VFZ | |
| 33-I | 598876.61 | 4783250.77 | 205.62 | 204.17 | 203.32 | VFZ | |
| 33-III | 598666.00 | 4784349.00 | 202.74 | - | 201.25 | VFZ | |
| 35-II | 598764.00 | 4783126.00 | - | 200.99 | 200.38 | VFZ | |
| 35-VII | 598764.53 | 4783120.31 | 201.37 | 201.42 | 200.32 | VFZ | |
| 36-VR | 599151.32 | 4782994.51 | 204.51 | - | 203.80 | VFZ | |
| 40-III | 599762.92 | 4783612.08 | 194.28 | 194.28 | 193.63 | VFZ | |
| 42-III | 599188.97 | 4783481.80 | 204.24 | 194.44 | 193.59 | VFZ | |
| 49-V | 600075.00 | 4783205.00 | 207.98 | 207.98 | 207.22 | VFZ | |
| 51-IV | 599623.19 | 4782891.53 | 213.23 | 208.53 | 212.73 | VFZ | |
| 52-II | 599451.39 | 4783102.55 | 205.40 | 205.40 | 204.65 | VFZ | |
| 69-IV | 599693.01 | 4782671.67 | 207.51 | 207.51 | 206.91 | VFZ | |
| 70-III | 599494.45 | 4783510.31 | 193.58 | 193.58 | 192.81 | VFZ | |
| 74-IV | 599488.21 | 4782491.71 | 206.86 | 206.86 | 206.21 | VFZ | |
| P10-IV | 598567.26 | 4783158.12 | 200.17 | 200.17 | 199.42 | VFZ | |
| P7-IV | 599269.17 | 4783376.61 | 203.32 | 202.33 | 201.61 | VFZ | |
| P7-VI | 599284.70 | 4783380.93 | 203.17 | 203.53 | - | VFZ | |
| P9-III | 598972.53 | 4783032.26 | 203.43 | - | - | VFZ | |
| <u>UFZ</u> | | | | | | | |

Appendix K.1

Monitoring Location Details
GFL Environmental Stoney Creek Regional Facility
Stoney Creek, Ontario

| Monitor | UTM Coordinates Easting | UTM Coordinates Northing | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Unit | Trigger Monitoring Well |
|---------|----------------------------|-----------------------------|------------------------|---------|------------------------------|---------------|-------------------------------|
| | | | Current | Drilled | | | |
| 47-II | 599918.52 | 4783758.68 | 202.55 | 202.55 | 201.85 | UFZ | Y |
| 47-IIR | 599920.11 | 4783759.92 | 202.49 | - | 201.70 | UFZ | Y |
| 61-II | 600071.29 | 4783717.04 | 202.33 | 202.33 | 201.60 | UFZ | Y |
| 29-III | 599587.38 | 4783652.08 | 194.83 | 194.83 | 194.20 | UFZ | |
| 30-I | 598830.73 | 4783409.26 | 204.62 | 202.58 | 201.72 | UFZ | |
| 31-I | 598668.00 | 4783352.00 | 202.62 | 201.91 | 201.22 | UFZ | |
| 35-IV | 598766.13 | 4783118.40 | 201.17 | 201.17 | 200.40 | UFZ | |
| 36-III | 599165.79 | 4782982.53 | 206.47 | 206.45 | 205.73 | UFZ | |
| 36-IIIR | 599165.79 | 4782982.53 | - | - | - | UFZ | |
| 40-IIR | 599764.43 | 4783611.24 | 194.37 | - | 193.67 | UFZ | |
| 46-IIIR | 599432.40 | 4783903.60 | 191.85 | - | 190.89 | UFZ | |
| 48-III | 600209.21 | 4783625.45 | 204.56 | 204.56 | 203.80 | UFZ | |
| 49-III | 600078.16 | 4783183.20 | 208.01 | 208.01 | 207.27 | UFZ | |
| 50-I | 599971.56 | 4782926.42 | 208.08 | 208.08 | 207.23 | UFZ | |
| 51-III | 599614.00 | 4782898.00 | 208.46 | 208.46 | 207.80 | UFZ | |
| 51-IX | 599626.00 | 4782910.00 | 208.43 | 208.43 | - | UFZ | |
| 52-I | 599450.84 | 4783101.24 | 205.42 | 205.42 | 204.65 | UFZ | |
| 57-I | 599033.08 | 4783465.79 | 204.40 | 202.82 | 202.13 | UFZ | |
| 57-IR | 599030.99 | 4783467.14 | 204.36 | - | 203.59 | UFZ | |
| 62-IV | 598802.81 | 4783584.89 | 191.62 | 191.62 | 190.97 | UFZ | |
| 67-III | 599139.53 | 4783660.65 | 195.33 | 195.33 | 194.65 | UFZ | |
| 68-III | 598487.81 | 4783299.78 | 199.96 | 199.96 | 199.18 | UFZ | |
| 69-III | 599694.46 | 4782671.37 | 207.69 | 207.69 | 206.97 | UFZ | |
| 70-IIR | 599489.65 | 4783511.99 | 193.99 | - | - | UFZ | |
| 72-III | 599619.53 | 4782853.19 | 208.74 | - | 207.74 | UFZ | |
| 74-III | 599488.60 | 4782493.08 | 206.92 | 206.92 | 206.23 | UFZ | |
| 75-IV | 599127.65 | 4783681.22 | - | - | - | UFZ | |
| CW10 | 598608.00 | 4783325.00 | - | 199.92 | 199.36 | UFZ | |
| CW13 | 598969.06 | 4783543.24 | 200.29 | 200.29 | 199.83 | UFZ | |
| CW15 | 599093.68 | 4783612.59 | 198.05 | 198.05 | 197.68 | UFZ | |
| CW16 | 599253.49 | 4783657.13 | 197.21 | 197.21 | 196.83 | UFZ | |
| CW2 | 598825.90 | 4783484.32 | 201.43 | 201.43 | 201.08 | UFZ | |
| CW3 | 598613.85 | 4783405.62 | 200.89 | 200.89 | 200.26 | UFZ | |
| CW4 | 598583.00 | 4783315.00 | 200.33 | 200.33 | 199.89 | UFZ | |
| CW5 | 599397.70 | 4783754.20 | 197.90 | 197.90 | 197.32 | UFZ | |
| CW5R | 599397.70 | 4783754.20 | - | - | - | UFZ | |
| P10-III | 598566.76 | 4783160.12 | 200.19 | 200.19 | 199.39 | UFZ | |
| P11-III | 598716.52 | 4783450.81 | 201.60 | 201.66 | 200.94 | UFZ | |
| P12 | 598896.22 | 4783495.39 | 202.57 | 201.76 | 201.16 | UFZ | |
| P13 | 598918.00 | 4783525.00 | 201.30 | 200.66 | 199.90 | UFZ | |
| P14 | 599024.43 | 4783589.83 | 199.03 | 197.75 | 197.77 | UFZ | |
| P15 | 599089.18 | 4783612.05 | 198.01 | 198.01 | 197.37 | UFZ | |
| P16 | 599248.63 | 4783655.99 | 197.50 | 197.50 | 196.80 | UFZ | |
| P17 | 599314.92 | 4783714.48 | 197.89 | 197.89 | 197.19 | UFZ | |
| P1-III | 599147.84 | 4783623.58 | 197.24 | 197.24 | 196.52 | UFZ | |
| P3-II | 598611.31 | 4783400.01 | 201.05 | 201.05 | 200.20 | UFZ | |
| P4-II | 598568.94 | 4783261.32 | 200.33 | 200.32 | 199.67 | UFZ | |
| P5-III | 599390.62 | 4783730.28 | 198.56 | 198.56 | 197.83 | UFZ | |
| P5-IIIR | 599377.62 | 4783726.00 | 199.00 | - | 198.10 | UFZ | |
| P8-I | 599224.32 | 4783186.46 | 205.02 | 205.02 | 204.30 | UFZ | |
| P9-I | 598972.09 | 4783042.48 | 204.02 | 203.26 | 202.56 | UFZ | |
| ST 1-II | 599144.27 | 4783651.39 | 195.67 | 195.67 | 194.90 | UFZ | |
| ST 2-II | 599155.84 | 4783651.79 | 195.87 | 195.87 | 195.10 | UFZ | |

UMFZ

Appendix K.1

Monitoring Location Details
GFL Environmental Stoney Creek Regional Facility
Stoney Creek, Ontario

| Monitor | UTM Coordinates Easting | UTM Coordinates Northing | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Unit | Trigger Monitoring Well |
|--------------------|----------------------------|-----------------------------|------------------------|---------|------------------------------|---------------|-------------------------------|
| | | | Current | Drilled | | | |
| 36-I | 599166.32 | 4782984.61 | 206.28 | 206.26 | 205.76 | UMFZ | Y |
| 36-IR | 599151.23 | 4782992.19 | 204.54 | - | 203.75 | UMFZ | Y |
| 46-IIR | 599431.83 | 4783905.06 | 191.81 | - | 190.83 | UMFZ | Y |
| 48-II | 600210.61 | 4783624.67 | 204.55 | 204.55 | 203.80 | UMFZ | Y |
| 56-I | 599528.18 | 4783872.87 | 195.68 | 195.68 | 195.05 | UMFZ | Y |
| 29-I | 599589.07 | 4783651.39 | 195.09 | 195.09 | 194.17 | UMFZ | |
| 35-I | 598762.00 | 4783124.00 | - | 201.15 | 200.39 | UMFZ | |
| 35-VI | 598765.18 | 4783123.71 | 201.21 | 201.21 | 200.32 | UMFZ | |
| 40-I | 599765.92 | 4783610.69 | 194.39 | 194.39 | 193.63 | UMFZ | |
| 47-I | 599917.50 | 4783761.22 | 202.42 | 202.42 | 201.73 | UMFZ | |
| 49-II | 600069.00 | 4783199.00 | 208.02 | 208.02 | 207.27 | UMFZ | |
| 51-II | 599612.00 | 4782896.00 | 208.50 | 208.50 | 207.82 | UMFZ | |
| 51-VIII | 599624.00 | 4782908.00 | 208.45 | 208.45 | - | UMFZ | |
| 60-I | 599767.69 | 4783804.60 | 201.11 | 201.11 | 200.34 | UMFZ | |
| 61-I | 600073.09 | 4783716.40 | 202.30 | 202.30 | 201.59 | UMFZ | |
| 62-III | 598801.18 | 4783583.92 | 191.73 | 191.73 | 191.01 | UMFZ | |
| 67-II | 599141.11 | 4783660.87 | 195.31 | 195.31 | 194.66 | UMFZ | |
| 68-II | 598490.13 | 4783300.95 | 200.01 | 200.01 | 199.23 | UMFZ | |
| 69-II | 599696.16 | 4782671.07 | 207.61 | 207.61 | 206.98 | UMFZ | |
| 70-I | 599497.19 | 4783509.02 | 193.53 | 193.53 | 192.72 | UMFZ | |
| 72-II | 599615.46 | 4782854.18 | 208.72 | - | 207.72 | UMFZ | |
| 74-II | 599489.32 | 4782494.82 | 206.97 | 206.97 | 206.30 | UMFZ | |
| 75-III | 599128.17 | 4783684.93 | - | - | - | UMFZ | |
| 77-II | 599886.07 | 4782772.83 | 207.02 | - | 206.29 | UMFZ/LMFZ | |
| P10-II | 598565.85 | 4783161.92 | 200.13 | 200.13 | 199.40 | UMFZ | |
| P11-II | 598716.11 | 4783452.21 | 201.55 | 201.65 | 200.94 | UMFZ | |
| P3-III | 598610.77 | 4783397.23 | 201.15 | 200.96 | 200.23 | UMFZ | |
| P4-III | 598568.03 | 4783258.49 | 200.38 | 200.38 | 199.63 | UMFZ | |
| P5-II | 599391.27 | 4783731.92 | 198.57 | 198.57 | 197.84 | UMFZ | |
| P5-IIR | 599378.24 | 4783724.66 | 199.07 | - | 198.14 | UMFZ | |
| P7-V | 599293.00 | 4783376.00 | - | 202.06 | 201.40 | UMFZ | |
| ST 1-I | 599141.00 | 4783651.63 | 195.67 | 195.67 | 194.90 | UMFZ | |
| ST 2-I | 599158.46 | 4783653.15 | 195.75 | 195.75 | 195.10 | UMFZ | |
| <u>LMFZ</u> | | | | | | | |
| 44-II | 598614.50 | 4783719.28 | 188.77 | 188.77 | 188.09 | LMFZ | Y |
| 45-II | 598753.71 | 4784103.21 | 189.24 | 189.24 | 188.53 | LMFZ | Y |
| 29-IV | 599585.51 | 4783652.79 | 195.00 | 195.00 | 194.20 | LMFZ | |
| 42-I | 599191.87 | 4783484.92 | 204.05 | 194.43 | 193.59 | LMFZ | |
| 43-II | 598898.52 | 4783645.42 | 192.73 | 192.73 | 192.09 | LMFZ | |
| 59-III | 598734.03 | 4783930.54 | 188.04 | 187.95 | 187.14 | LMFZ | |
| 62-II | 598802.73 | 4783583.56 | 191.74 | 191.74 | 191.02 | LMFZ | |
| 67-I | 599142.67 | 4783661.24 | 195.28 | 195.24 | 194.58 | LMFZ | |
| 74-I | 599489.79 | 4782496.41 | 206.94 | 206.94 | 206.26 | LMFZ | |
| 75-II | 599126.69 | 4783683.42 | - | - | - | LMFZ | |
| 76-III | 598683.00 | 4783932.00 | 187.30 | - | 186.50 | LMFZ | |
| P1-II | 599153.92 | 4783624.60 | 197.42 | 197.42 | 196.75 | LMFZ | |
| P2-II | 598829.80 | 4783411.68 | - | 193.60 | 193.23 | LMFZ | |
| P3-I | 598611.97 | 4783402.59 | 201.05 | 201.05 | 200.16 | LMFZ | |
| <u>LFZ</u> | | | | | | | |
| 35-III | 598762.47 | 4783123.15 | 201.09 | 201.09 | 200.38 | LFZ | Y |
| 44-I | 598614.11 | 4783717.85 | 188.79 | 188.79 | 188.09 | LFZ | Y |

Appendix K.1

Monitoring Location Details
GFL Environmental Stoney Creek Regional Facility
Stoney Creek, Ontario

| Monitor | UTM Coordinates | | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | | Screened Unit | Trigger Monitoring Well |
|-------------------------------|-----------------|------------|---------------------|---------|------------------------|------------|---------------|-------------------------|
| | Easting | Northing | Current | Drilled | | | | |
| 45-I | 598752.55 | 4784102.32 | 189.07 | 189.07 | 188.53 | LFZ | Y | |
| 48-I | 600209.60 | 4783623.83 | 204.51 | 204.51 | 203.80 | LFZ | Y | |
| 14-I | 599054.89 | 4784011.72 | - | 188.60 | 187.99 | LFZ | | |
| 36-II | 599164.37 | 4782985.04 | 206.53 | 206.64 | 205.94 | LFZ | | |
| 36-IIR | 599150.97 | 4782989.46 | 204.62 | - | 203.79 | LFZ | | |
| 41-I | 598542.63 | 4783425.86 | 192.57 | 192.57 | 191.78 | LFZ | | |
| 43-I | 598897.26 | 4783644.37 | 192.79 | 193.19 | 192.40 | LFZ | | |
| 49-I | 600080.30 | 4783190.65 | 208.00 | 208.00 | 207.27 | LFZ | | |
| 49-IR | 600080.37 | 4783190.36 | 208.17 | - | 207.27 | LFZ | | |
| 51-I | 599610.00 | 4782894.00 | 208.46 | 208.46 | 207.84 | LFZ | | |
| 51-VII | 599622.00 | 4782906.00 | 208.41 | 208.41 | - | LFZ | | |
| 60-IV | 599768.91 | 4783802.45 | 201.08 | 201.08 | 200.35 | LFZ | | |
| 62-I | 598801.03 | 4783585.35 | 191.59 | 191.59 | 190.89 | LFZ | | |
| 68-I | 598488.94 | 4783300.31 | 200.03 | 200.03 | 199.15 | LFZ | | |
| 69-I | 599697.86 | 4782670.65 | 207.58 | 207.58 | 206.95 | LFZ | | |
| 72-I | 599611.57 | 4782855.32 | 208.90 | - | 207.90 | LFZ | | |
| 75-I | 599128.92 | 4783682.82 | - | - | - | LFZ | | |
| 76-II | 598682.00 | 4783931.00 | 187.30 | - | 186.50 | LFZ | | |
| 77-I | 599884.63 | 4782772.85 | 207.00 | - | 206.30 | LFZ | | |
| P10-I | 598564.55 | 4783160.46 | 200.17 | 200.17 | 199.41 | LFZ | | |
| P11-I | 598715.67 | 4783453.84 | 201.37 | 201.62 | 200.93 | LFZ | | |
| P1-I | 599152.04 | 4783623.41 | 197.28 | 197.28 | 196.60 | LFZ | | |
| P2-I | - | - | - | 194.40 | 193.18 | LFZ | | |
| P4-I | 598570.54 | 4783265.11 | 200.28 | 200.28 | 199.63 | LFZ | | |
| P5-I | 599391.96 | 4783733.59 | 198.62 | 198.20 | 197.85 | LFZ | | |
| P5-IR | 599378.55 | 4783723.47 | 199.05 | - | 198.13 | LFZ | | |
| P6-I | 599332.82 | 4783532.58 | 202.22 | 201.98 | 201.22 | LFZ | | |
| P6-IR | 599311.81 | 4783502.37 | 202.97 | - | 202.11 | LFZ | | |
| P7-IR | 599267.97 | 4783372.43 | 203.76 | - | 202.85 | LFZ | | |
| <u>Rochester Shale</u> | | | | | | | | |
| 51-VI | 599632.76 | 4782888.63 | 213.45 | 208.55 | 213.03 | RS | | |
| 59-I | 598729.05 | 4783931.10 | 187.97 | 187.89 | 187.14 | RS | | |
| <u>LEACHATE</u> | | | | | | | | |
| 55-I | 599648.76 | 4783549.24 | 193.31 | 193.31 | 192.53 | EXCAVATION | | |
| 30-II | 598643.02 | 4783301.36 | 204.12 | 202.40 | 201.76 | LEACHATE | | |
| 31-II | 598641.95 | 4783302.10 | 203.06 | 202.14 | 202.24 | LEACHATE | | |
| 32-II | 598878.59 | 4783251.24 | 204.69 | 203.83 | 202.91 | LEACHATE | | |
| 33-II | 598881.00 | 4783262.00 | 205.60 | 204.10 | 203.30 | LEACHATE | | |
| 57-II | 599030.85 | 4783464.05 | 204.34 | 202.80 | 202.10 | LEACHATE | | |
| 58-I | 599175.98 | 4783191.53 | 205.57 | 204.35 | 203.63 | LEACHATE | | |

Notes:

* - UTM coordinates are approximate, the well nest has not yet been surveyed

Appendix K.2

Historic and Current Monitor Details

**Historic and Current Monitoring Location Details
GLF Environmental, Stoney Creek Region Facility
Stoney Creek, Ontario**

| Monitor | Type | Borehole Diameter (mm) | Stick Up (m) | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Interval (mAMSL) | Filter Pack (mAMSL) | Seal (mAMSL) | Surface Seal (mAMSL) | Construction Date | Status | Screened Unit | UTM Coordinates Easting | UTM Coordinates Northing |
|---------|------|------------------------|--------------|---------------------|---------|------------------------|---------------------------|---------------------|----------------|----------------------|--------------------------------------|--------|---------------|-------------------------|--------------------------|
| | | | | Current | Drilled | | | | | | | | | | |
| 1-I | S | 76* | 0.67 | 194.3 | 193.63 | 187.53 - 190.58 | 187.5 - 191.2 | 191.2 - 191.49 | 193.33 - 193.6 | 17-Mar-80 | decommissioned | | 599282.00 | 4783586.00 | |
| 2-I | P | 76 | 1.22 | 194.4 | 193.18 | 182.21 - 182.66 | 182.2 - 183.1 | 183.1 - 183.42 | 182.05 - 182.2 | 31-Mar-80 | Abandoned | | | | |
| 2-II | S | 76* | 0.37 | 193.6 | 193.23 | 186.83 - 189.88 | 186.8 - 190.2 | 190.2 - 190.49 | 190.49 - 192.9 | 31-Mar-80 | Abandoned | | 598829.80 | 4783411.68 | |
| 2-III | | | | | | | | | | | | | | | |
| 2-IV | | | | | | | | | | | | | | | |
| 3-I | S | 76* | 0.6 | 194 | 193.4 | 187.3 - 190.35 | 187.3 - 190.7 | 190.7 - 190.96 | 190.96 - 193.1 | 18-Mar-80 | Abandoned | | | | |
| 3-II | | | | | | | | | | | | | | | |
| 4-I | S | 76* | 1.06 | 195.1 | 194.04 | 186.42 - 189.47 | 186.4 - 189.8 | 189.8 - 190.07 | 190.07 - 193.7 | 18-Mar-80 | Abandoned | | | | |
| 4-II | | | | | | | | | | | | | | | |
| 4-III | | | | | | | | | | | | | | | |
| 4-IV | | | | | | | | | | | | | | | |
| 5-I | S | 76* | 0.61 | 192.7 | 192.09 | 181.42 - 184.47 | 174.1 - 184.8 | 184.8 - 185.08 | 185.08 - 191.8 | 17-Mar-80 | Decommissioned, replaced by 43-II | | 599868.00 | 4783698.00 | |
| 6-I | S | 76* | 0.61 | 188.9 | 188.29 | 177.47 - 180.52 | 177.5 - 181 | 181 - 181.28 | 181.28 - 188 | 17-Mar-80 | Decommissioned 2008 | | 598635.00 | 4783702.00 | |
| 7-I | P | 76 | 0.55 | 189.3 | 188.75 | 174.12 - 174.58 | 174.1 - 175 | 175 - 175.33 | 173.81 - 174.1 | 1-Apr-80 | Abandoned | | 598742.00 | 4784096.00 | |
| 7-II | P | 76* | 0.61 | 189.4 | 188.79 | 178.73 - 180.09 | 178.7 - 182.7 | 182.7 - 182.99 | 182.99 - 188.5 | 1-Apr-80 | Decommissioned 2008 | | 598744.00 | 4784096.00 | |
| 8-I | P | 76* | 0.61 | 191.5 | 190.89 | 175.65 - 176.11 | 176.7 - 176.9 | 176.9 - 177.19 | 190.59 - 190.9 | 17-Mar-80 | Decommissioned May 21, 1992 | | 599418.00 | 4783920.00 | |
| 8-II | S | 76* | 0.57 | 191.4 | 190.83 | 179.7 - 182.75 | 179.7 - 183.2 | 183.2 - 183.51 | 183.51 - 190.5 | 17-Mar-80 | Decommissioned May 25, 1992 | | 599420.00 | 4783922.00 | |
| 9-I | S | 76* | 1.07 | 202.7 | 201.63 | 190.5 - 193.55 | 190.5 - 194.6 | 194.6 - 194.92 | 190.04 - 190.5 | 17-Mar-80 | | | 599316.92 | 4783543.27 | |
| 10-I | S | 76* | 0.13 | 203.6 | 203.47 | 183.81 - 184.27 | 183.8 - 184.7 | 184.7 - 185.02 | 185.02 - 203.2 | 31-Mar-80 | | | 599170.00 | 4782970.00 | |
| 10-II | S | 76* | 0.4 | 203.8 | 203.4 | 191.68 - 194.71 | 191.7 - 195.5 | 195.5 - 195.78 | 203.1 - 203.4 | 31-Mar-80 | | | 599172.00 | 4782972.00 | |
| 11-I | P | 76* | 0.61 | 200.1 | 199.49 | 182.73 - 183.19 | 182.7 - 16.15 | 183.3 - 183.64 | 181.2 - 182.7 | 18-Mar-80 | Abandoned | | 598562.00 | 4783186.00 | |
| 11-II | S | 76* | 0.64 | 200.1 | 199.46 | 188.79 - 191.84 | 188.8 - 192.2 | 192.2 - 192.45 | 192.45 - 199.2 | 18-Mar-80 | Abandoned | | 598564.00 | 4783188.00 | |
| 11-III | | | | | | | | | | | | | | | |
| 12-I | S | 76* | 0.6 | 194.7 | 194.1 | 188 - 191.05 | 188 - 191.7 | 191.7 - 191.86 | 191.86 - 193.8 | 18-Mar-80 | Abandoned | | | | |
| 12-II | | | | | | | | | | | | | | | |
| 12-IV | | | | | | | | | | | | | | | |
| 13-I | S | 76* | 0.61 | 202.9 | 202.29 | 190.1 - 193.15 | 190.1 - 193.8 | 193.8 - 194.06 | 194.06 - 202 | 18-Mar-80 | Abandoned | | | | |
| 14-I | S | 76* | 0.61 | 188.6 | 187.99 | 177.47 - 180.52 | 177.5 - 181 | 181 - 181.28 | 187.69 - 188 | 17-Mar-80 | | LFZ | 599054.89 | 4784011.72 | |
| 15-I | S | 76* | 0.45 | 201.6 | 201.15 | 189.42 - 192.46 | 189.4 - 192.9 | 192.9 - 193.22 | 193.22 - 200.9 | 18-Mar-80 | Abandoned | | | | |
| 16-I | P | 76 | 0.57 | 207.47 | 206.9 | 172.1 - 171.6 | 172.1 - 172.8 | 172.8 - 173.1 | 206.3 - 206.9 | 23-Jun-82 | Lost-was adjacent to current 51 nest | | 599635.00 | 4782897.00 | |
| 16-II | P | 76* | 0.77 | 207.67 | 206.9 | 187.2 - 187.7 | 187.2 - 187.9 | - | 206.6 - 206.9 | 24-Jun-82 | Lost-was adjacent to current 51 nest | | 599637.00 | 4782899.00 | |
| 16-III | S | 76* | 0.43 | 207.33 | 206.9 | 191.5 - 200.7 | 191.5 - 200.7 | 200.7 - 201 | 206.3 - 206.9 | 24-Jun-82 | Lost-was adjacent to current 51 nest | | 599639.00 | 4782901.00 | |
| 17-I | P | 76 | 0.54 | 206.16 | 205.62 | 171.62 - 172.12 | 171.6 - 173.6 | 173.6 - 173.92 | 205.02 - 205.6 | 24-Jun-82 | Lost was near 53 nest | | 599716.00 | 4783192.00 | |
| 17-II | P | 76* | 0.6 | 206.22 | 205.62 | 187.72 - 188.12 | 187.7 - 188.6 | 188.6 - 188.92 | 205.02 - 205.6 | 24-Jun-82 | Lost was near 53 nest | | 599718.00 | 4783194.00 | |
| 17-III | s | 76* | 0.69 | 206.31 | 205.62 | 191.62 - 198.02 | 191.6 - 197.7 | 197.7 - 198.02 | 198.02 - 205 | 25-Jun-82 | Removed by quarrying | | 599720.00 | 4783196.00 | |
| 18-I | P | 76 | 0.63 | 202.69 | 202.06 | 175.06 - 175.56 | 174.7 - 176.5 | 174.4 - 174.66 | 201.46 - 202.1 | 21-Jun-82 | Decommissioned Oct 28, 1992 | | 600022.00 | 4783731.00 | |
| 18-II | P | 76* | 0.57 | 203.17 | 202.6 | 186.9 - 187.5 | 186.9 - 187.7 | 187.7 - 188 | 202 - 202.6 | 21-Jun-82 | Decommissioned Oct 29, 1992 | | 600024.00 | 4783733.00 | |
| 18-III | S | 76* | 0.3 | 202.9 | 202.6 | 191.9 - 198 | 191.9 - 202 | 202 - 202.6 | - | 21-Jun-82 | Decommissioned Oct 27, 1992 | | 600026.00 | 4783735.00 | |
| 19-I | P | 76* | 0.79 | 206.7 | 205.91 | 186.71 - 187.21 | 186.7 - 187.9 | 187.9 - 188.21 | 205.31 - 205.9 | 8-Jul-82 | Decommissioned Nov 10, 1992 | | 600115.00 | 4783162.00 | |
| 19-II | S | 76* | 0.85 | 206.76 | 205.91 | 192.01 - 195.11 | 186 - 195.1 | 195.1 - 195.41 | 195.41 - 205.3 | 8-Jul-82 | Decommissioned Nov 10, 1992 | | 600117.00 | 4783164.00 | |
| 20-I | P | 76* | 0.67 | 203.06 | 202.39 | 185.93 - 186.39 | 185.9 - 188.4 | 188.4 - 188.69 | 188.69 - 201.8 | 8-Jul-82 | Abandoned | | 599396.00 | 4783357.00 | |
| 20-II | S | 76* | 0.71 | 203.1 | 202.39 | 192.39 - 198.49 | 192.4 - 198.5 | 198.5 - 198.79 | 198.79 - 201.8 | 8-Jul-82 | Abandoned | | 599398.00 | 4783359.00 | |
| 21-I | P | 76 | 0.63 | 206.92 | 206.29 | 177.49 - 177.99 | 177.5 - 27.4 | 178.9 - 179.19 | 177.03 - 177.5 | 22-Jun-82 | Decommissioned Nov 11, 1992 | | 599970.00 | 4782934.00 | |
| 21-II | P | 76* | 0.64 | 206.93 | 206.29 | 184.39 - 184.79 | 184.4 - 186.3 | 186.3 - 186.59 | 186.59 - 205.7 | 23-Jun-82 | Decommissioned Nov.9, 1992 | | 599972.00 | 4782936.00 | |
| 21-III | S | 76* | 0.91 | 207.2 | 206.29 | 189.39 - 199.99 | 189.4 - 200 | 200 - 200.29 | 205.69 - 206.3 | 23-Jun-82 | lost-was in closed LF | | 599974.00 | 4782938.00 | |
| 22-I | P | 76* | 0.91 | 204.77 | 203.86 | 187.64 - 188.1 | 187.6 - 189.9 | 189.9 - 188.16 | 188.16 - 203.3 | 8-Jul-82 | Decommissioned Oct 5, 1992 | | 599472.00 | 4783139.00 | |
| 22-II | S | 76* | 0.66 | 204.52 | 203.86 | 193.96 - 201.56 | 194 - 201.6 | 201.6 - 201.86 | - | 8-Jul-82 | lost-was near nest 52 | | 599474.00 | 4783141.00 | |

**Historic and Current Monitoring Location Details
GLF Environmental, Stoney Creek Region Facility
Stoney Creek, Ontario**

| Monitor | Type | Borehole Diameter (mm) | Stick Up (m) | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Interval (mAMSL) | Filter Pack (mAMSL) | Seal (mAMSL) | Surface Seal (mAMSL) | Construction Date | Status | Screened Unit | UTM Coordinates Easting | UTM Coordinates Northing |
|---------|------|------------------------|--------------|---------------------|---------|------------------------|---------------------------|---------------------|----------------|----------------------|-------------------|--|---------------|-------------------------|--------------------------|
| | | | | Current | Drilled | | | | | | | | | | |
| 23-I | P | 76* | 0.51 | 203.13 | | 202.62 | 175.98 - 176.44 | 176 - 176.4 | 176.4 - 176.74 | 176.74 - 202 | 9-Jul-82 | Decommissioned Nov 13, 1992 | | 600228.00 | 4783601.00 |
| 23-II | P | 76* | 0.66 | 203.28 | | 202.62 | 186.52 - 186.92 | 186.5 - 188.5 | 188.5 - 188.82 | 188.82 - 202 | 9-Jul-82 | Decommissioned Nov 16, 1992 | | 600230.00 | 4783603.00 |
| 23-III | S | 76* | 0.64 | 203.26 | | 202.62 | 192.82 - 198.02 | 193 - 198 | 198 - 198.32 | 198.32 - 202 | 9-Jul-82 | Abandoned | | 600232.00 | 4783605.00 |
| 24-I | P | 76* | 0.44 | 193.84 | | 193.4 | 182.6 - 183.1 | 182.6 - 183.3 | 183.3 - 183.6 | 183.6 - 192.8 | 21-Jul-82 | Abandoned | | 599866.00 | 4783588.00 |
| 24-II | S | 76* | 0.52 | 193.92 | | 193.4 | 187.8 - 192.6 | 187.8 - 192.6 | 192.6 - 193.4 | - | 22-Jul-82 | Abandoned | | 599868.00 | 4783590.00 |
| 25-I | P | 76* | 0.4 | 192.82 | | 192.42 | 181.82 - 182.92 | 181.8 - 183 | 192.1 - 192.42 | 181.62 - 181.8 | 21-Jun-82 | Abandoned | | 600095.00 | 4783457.00 |
| 25-II | S | 76* | 0.65 | 193.07 | | 192.42 | 186.92 - 191.82 | 186.9 - 191.8 | 192.1 - 192.42 | 191.82 - 192.1 | 22-Jun-82 | Abandoned | | 600097.00 | 4783459.00 |
| 26-I | P | 76* | 1.39 | 193.73 | | 192.34 | 181.54 - 182.24 | 181.5 - 183.2 | 183.2 - 183.54 | 183.54 - 192 | 21-Jun-82 | Abandoned | | 599773.00 | 4783289.00 |
| 26-II | S | 76* | 0.33 | 192.67 | | 192.34 | 186.64 - 191.44 | 186.6 - 191.4 | 192 - 192.34 | 191.44 - 192 | 22-Jun-82 | Abandoned | | 599775.00 | 4783291.00 |
| 27-I | P | 76* | 0.52 | 194.31 | | 194.31 | 183.61 - 184.31 | 183.6 - 184.3 | 184.3 - 184.61 | 183.51 - 183.6 | 21-Jun-82 | Abandoned | | 599480.00 | 4783761.00 |
| 27-II | S | 76* | 0.56 | 194.35 | | 193.79 | 188.19 - 192.99 | 188.2 - 193 | 193.3 - 193.79 | 192.99 - 193.3 | 22-Jun-82 | Abandoned | | 599482.00 | 4783763.00 |
| 28-I | P | 96 | 0.76 | 193.03 | 193.15 | 192.39 | 180.96 - 181.72 | 181 - 182.5 | - | 182.49 - 192.4 | 27-Feb-89 | Decommissioned in 1997-located south of M4 under phase 2 liner | UMFZ | 599540.00 | 4783483.00 |
| 28-II | S | * | 0.9 | 193.39 | | 192.49 | 186.66 - 189.71 | 186.7 - 190.6 | - | 190.59 - 192.5 | 14-Mar-89 | Decommissioned in 1997-located south of M4 under phase 2 liner | | 599542.00 | 4783485.00 |
| 28-III | P | 102 | 0.7 | 193.2 | 193.2 | 192.5 | 186.5 - 188.02 | 186.5 - 188.1 | - | 188.08 - 192.5 | 11-Feb-92 | Decommissioned in 1997-located south of M4 under phase 2 liner | UFZ | 599544.00 | 4783487.00 |
| 28-IV | S | 102 | 0.7 | 193.2 | 193.2 | 192.5 | 188.2 - 191.25 | 188.2 - 191.4 | - | 191.4 - 192.5 | 11-Feb-92 | Decommissioned in 1997-located south of M4 under phase 2 liner | VFZ | 599546.00 | 4783489.00 |
| 29-I | P | 96 | 1.02 | 195.09 | 195.19 | 194.17 | 183.89 - 184.65 | 183.9 - 186.8 | - | 186.77 - 194.2 | 1-Mar-89 | | UMFZ | 599589.07 | 4783651.39 |
| 29-II | S | 96 | 1.04 | 195.07 | 195.2 | 194.16 | 189.73 - 192.78 | 189.7 - 193.6 | - | 193.55 - 194.2 | 14-Mar-89 | | VFZ | 599586.44 | 4783650.17 |
| 29-III | P | 102 | 0.63 | 194.83 | 194.83 | 194.2 | 187.2 - 188.71 | 187.2 - 188.8 | - | 188.75 - 194.2 | 12-Feb-92 | | UFZ | 599587.38 | 4783652.08 |
| 29-IV | P | 96 | 0.8 | 195 | 195 | 194.2 | 179.57 - 181.09 | 179.5 - 182 | 177.5 - 194.2 | - | 7-Jun-98 | | LMFZ | 599585.51 | 4783652.79 |
| 30-I | P | 96 | 0.86 | 204.62 | 202.58 | 201.72 | 189.37 - 190.89 | 189.4 - 191.4 | 191.4 - 198.72 | 201.42 - 201.7 | 9-Mar-89 | | UFZ | 598830.73 | 4783409.26 |
| 30-II | S | 200 | 0.64 | 204.12 | 202.4 | 201.76 | 193.17 - 197.76 | 193.2 - 197.8 | - | 201.46 - 201.8 | 9-Mar-89 | | LEACHAT | 598643.02 | 4783301.36 |
| 31-I | P | 96 | 0.69 | 202.62 | 201.91 | 201.22 | 188.07 - 189.59 | 188.1 - 190 | - | 190.04 - 201.2 | 10-Mar-89 | | UFZ | 598668.00 | 4783352.00 |
| 31-II | S | 200 | 0.89 | 202.74 | 202.14 | 201.25 | 193.56 - 198.13 | 193.6 - 198.4 | - | 200.85 - 201.3 | 10-Mar-89 | | LEACHAT | 598775.00 | 4783257.00 |
| 31-III | P | 96 | 0.62 | 204.69 | 203.47 | 202.85 | 189.85 - 191.33 | 189.9 - 192.9 | 193 - 195.15 | 202.55 - 202.9 | 13-Mar-89 | | VFZ | 598703.14 | 4783242.86 |
| 32-II | S | 200 | 0.92 | 204.69 | 203.83 | 202.91 | 193.77 - 197.58 | 193.8 - 198.7 | 198.7 - 198.91 | 202.61 - 202.9 | 13-Mar-89 | | LEACHAT | 598878.59 | 4783251.24 |
| 33-I | P | 96 | 0.85 | 205.62 | 204.17 | 203.32 | 190 - 190.76 | 190 - 190.9 | 190.9 - 197.32 | - | 6-Mar-89 | | VFZ | 598876.61 | 4783250.77 |
| 33-II | S | 200 | 0.8 | 205.6 | 204.1 | 203.3 | 192.86 - 197.41 | 192.9 - 199.3 | - | 203 - 203.3 | 6-Mar-89 | | LEACHAT | 598881 | 4783262 |
| 33-III | P | 101.6 | 1.49 | 202.74 | | 201.25 | 190.44 - 191.94 | 191.9 - 190.4 | 190.4 - 201.25 | 190.44 - 201.3 | 25-Jul-11 | | VFZ | 598666.00 | 4784349.00 |
| 34-I | S | 96 | 0.84 | 187.06 | 187.06 | 186.22 | 178.86 - 181.86 | 178.9 - 185.6 | - | 185.62 - 186.2 | 2-Mar-89 | Decommissioned | LFZ | 598760.00 | 4783122.00 |
| 34-II | P | 96 | 0.78 | 187.56 | 187.56 | 186.78 | 177.79 - 179.31 | 177.8 - 179.5 | 179.5 - 186.78 | - | 15-Dec-97 | Decommissioned 2014 | LFZ | 599579.86 | 4784201.47 |
| 34-III | P | 96 | 0.77 | 187.55 | 187.55 | 186.78 | 180.66 - 182.18 | 180.7 - 182.4 | 182.4 - 186.78 | - | 15-Dec-97 | Decommissioned 2014 | LMFZ | 599579.01 | 4784200.12 |
| 35-I | P | 96 | 0.76 | 201.15 | 200.39 | 200.39 | 182.56 - 183.32 | 182.6 - 184.5 | - | 184.54 - 200.4 | 21-Feb-89 | | UMFZ | 598762.00 | 4783124.00 |
| 35-II | S | * | 0.61 | 200.99 | 200.38 | 200.38 | 189.09 - 192.14 | 189.1 - 199.8 | - | 199.78 - 200.4 | 15-Mar-89 | | VFZ | 598764.00 | 4783126.00 |
| 35-III | P | 96 | 0.71 | 201.09 | 201.09 | 200.38 | 177.68 - 179.18 | 177.3 - 179.4 | 175.7 - 177.26 | 179.38 - 200.4 | 29-Sep-92 | | LFZ | 598762.47 | 4783123.15 |
| 35-IV | P | 96 | 0.77 | 201.17 | 201.17 | 200.4 | 186.8 - 188.32 | 186.7 - 188.6 | 186.3 - 186.65 | 188.6 - 200.4 | 30-Sep-92 | | UFZ | 598766.13 | 4783118.40 |
| 35-V | P | 96 | 0.74 | 201.16 | 201.16 | 200.42 | 193.65 - 196.7 | 193.7 - 198 | - | 197.96 - 200.4 | 29-Sep-92 | | ERAMOSA | 598766.96 | 4783121.48 |
| 35-VI | P | 96 | 0.89 | 201.21 | 201.21 | 200.32 | 184.02 - 185.54 | 183.8 - 185.8 | 182.7 - 183.82 | 185.8 - 200.3 | 13-Jan-94 | | UMFZ | 598765.18 | 4783123.71 |
| 35-VII | P | 96 | 1.1 | 201.37 | 201.42 | 200.317 | 190.737 - 192.26 | 190.4 - 192.6 | - | 189.027 - 200.3 | 18-Jan-94 | | VFZ | 598764.53 | 4783120.31 |
| 36-I | P | * | 0.5 | 206.28 | 206.26 | 205.76 | 183.31 - 184.09 | 181.6 - 184.7 | - | 184.73 - 205.8 | 23-Feb-89 | | UMFZ | 599166.32 | 4782984.61 |
| 36-II | P | 96 | 0.7 | 206.53 | 206.64 | 205.94 | 175.34 - 176.86 | 175.1 - 177.4 | 172.1 - 175.12 | 177.44 - 205.9 | 23-Sep-92 | | LFZ | 599164.37 | 4782985.04 |
| 36-III | P | 96 | 0.72 | 206.47 | 206.45 | 205.73 | 185.53 - 185.69 | 185.5 - 187.6 | 185.1 - 185.53 | 187.52 - 205.7 | 25-Sep-92 | | UFZ | 599165.79 | 4782982.53 |
| 36-IV | P | 96 | 0.77 | 206.41 | 206.61 | 205.84 | 194.89 - 199.46 | 194.9 - 200.1 | - | 186.57 - 205.8 | 25-Sep-92 | | ERAMOSA | 599163.90 | 4782983.06 |
| 36-V | P | 96 | | 206.02 | | | - | - | - | - | 18-Oct-94 | | VFZ | 599168.27 | 4782985.08 |
| 36-IR | | | | | | | | | | | | | UMFZ | 599166.32 | 4782984.61 |
| 36-IIR | | | | | | | | | | | | | LFZ | 599164.37 | 4782985.04 |
| 36-IIIR | | | | | | | | | | | | | UFZ | 599165.79 | 4782982.53 |
| 36-IVR | | | | | | | | | | | | | ERAMOSA | 599163.90 | 4782983.06 |
| 36-VR | | | | | | | | | | | | | VFZ | 599168.27 | 4782985.08 |
| 37-I | P | 96 | 0.82 | 193.77 | 193.66 | 181.423 | 181.423 - 182.94 | 181.4 - 184.6 | - | 185.023 - 192.8 | 3-Feb-92 | Decommissioned in 1998 | UMFZ | 599419.00 | 4783327.00 |
| 37-II | P | 102 | 0.95 | 193.92 | 193.79 | 192.843 | 186.543 - 187.76 | 186.5 - 187.9 | - | 187.863 - 192.8 | 11-Feb-92 | Decommissioned in 1998 | UFZ | 599421.00 | 4783329.00 |
| 37-III | S | 102 | 0.71 | 193.68 | 193.56 | 192.843 | 189.193 - 192.24 | 189.2 - 192.3 | - | 192.293 - 192.8 | 11-Feb-92 | Decommissioned in 1998 | VFZ | 599423.00 | 4783331.00 |

**Historic and Current Monitoring Location Details
GLF Environmental, Stoney Creek Region Facility
Stoney Creek, Ontario**

| Monitor | Type | Borehole Diameter (mm) | Stick Up (m) | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Interval (mAMSL) | Filter Pack (mAMSL) | Seal (mAMSL) | Surface Seal (mAMSL) | Construction Date | Status | Screened Unit | UTM Coordinates Easting | UTM Coordinates Northing | |
|---------|------|------------------------|--------------|---------------------|---------|--|---------------------------|---------------------|----------------|----------------------|-------------------|------------------------|---------------|-------------------------|--------------------------|------------|
| | | | | Current | Drilled | | | | | | | | | | | |
| 38-I | P | 96 | 0.92 | 193.45 | 193.36 | 192.439 | 182.289 - 183.81 | 182 - 184.1 | - | 184.459 - 192.4 | 5-Feb-92 | Decommissioned in 1998 | UMFZ | 599383.00 | 4783327.00 | |
| 38-II | P | 102 | 0.97 | 193.49 | 193.38 | 192.418 | 186.318 - 187.13 | 186.3 - 187.4 | - | 187.378 - 192.4 | 10-Feb-92 | Decommissioned in 1998 | UFZ | 599340.00 | 4783329.00 | |
| 38-III | S | 102 | 0.88 | 193.45 | 193.34 | 192.466 | 188.916 - 191.97 | 188.9 - 192 | - | 192.016 - 192.5 | 11-Feb-92 | Decommissioned in 1998 | VFZ | 599342.00 | 4783331.00 | |
| 39-I | P | 96 | 0.74 | 192.66 | 192.57 | 191.826 | 179.886 - 181.41 | 179.5 - 181.9 | - | 182.186 - 191.8 | 6-Feb-92 | Decommissioned in 1997 | LMFZ | 599504.00 | 4783321.00 | |
| 39-II | P | 102 | 0.81 | 192.74 | 192.64 | 191.826 | 185.726 - 186.79 | 185.7 - 186.7 | - | 186.686 - 191.8 | 11-Feb-92 | Decommissioned in 1997 | UFZ | 599506.00 | 4783325.00 | |
| 39-III | S | 102 | 0.93 | 192.87 | 192.75 | 191.826 | 187.526 - 190.58 | 187.5 - 190.8 | - | 190.816 - 191.8 | 11-Feb-92 | Decommissioned in 1997 | VFZ | 599508.00 | 4783325.00 | |
| 40-I | P | 96 | 0.77 | 194.39 | 194.39 | 193.627 | 181.617 - 183.14 | 181.4 - 183.8 | - | 184.157 - 193.6 | 10-Feb-92 | | UMFZ | 599765.92 | 4783610.69 | |
| 40-II | P | 102 | 0.81 | 194.44 | 194.44 | 193.627 | 186.437 - 187.5 | 186.4 - 187.5 | - | 187.527 - 193.6 | 11-Feb-92 | | UFZ | 599764.26 | 4783611.36 | |
| 40-IIR | | | | | | | | | | | | | | UFZ | 599764.26 | 4783611.36 |
| 40-III | S | 102 | 0.65 | 194.28 | 194.28 | 193.627 | 188.027 - 191.08 | 188 - 192.8 | - | 192.827 - 193.6 | 11-Feb-92 | | VFZ | 599762.92 | 4783612.08 | |
| 41-I | P | 96 | 0.79 | 192.57 | 192.57 | 191.779 | 179.299 - 180.84 | 179.3 - 181.2 | - | 181.379 - 191.8 | 14-Feb-92 | | LFZ | 598542.63 | 4783425.86 | |
| 41-II | P | 96 | 0.79 | 192.57 | 192.57 | 191.779 | 184.009 - 185.53 | 184 - 185.6 | - | 185.579 - 191.8 | 15-Feb-92 | | UMFZ | 598544.56 | 4783426.45 | |
| 41-III | S | 200 | 0.9 | 192.68 | 192.68 | 191.779 | 186.219 - 189.27 | 186.2 - 189.3 | - | 189.269 - 191.8 | 15-Feb-92 | | OB | 598543.43 | 4783427.71 | |
| 42-I | P | 96 | 0.84 | 204.05 | 194.43 | 193.593 | 181.893 - 183.41 | 181.8 - 184.2 | - | 184.693 - 193.6 | 11-Feb-92 | | LMFZ | 599191.87 | 4783484.92 | |
| 42-II | P | 102 | 0.94 | 204.14 | 194.53 | 193.593 | 187.253 - 188.16 | 187.3 - 188.2 | - | 188.193 - 193.6 | 12-Feb-92 | | UFZ | 599188.74 | 4783485.01 | |
| 42-III | S | 102 | 0.84 | 204.24 | 194.44 | 193.593 | 188.843 - 191.89 | 188.8 - 191.9 | - | 191.923 - 193.6 | 12-Feb-92 | | VFZ | 599188.97 | 4783481.80 | |
| 43-I | P | 96 | 0.79 | 192.79 | 193.19 | 192.4 | 178.66 - 180.18 | 178.4 - 180.5 | - | 180.6 - 192.4 | 12-Feb-92 | | LFZ | 598897.26 | 4783644.37 | |
| 43-II | S | 96 | 0.64 | 192.73 | 192.73 | 192.09 | 180.81 - 182.49 | 180.6 - 183.4 | - | 183.41 - 192.1 | 12-Feb-92 | | LMFZ | 598898.52 | 4783645.42 | |
| 44-I | P | 96 | 0.7 | 188.79 | 188.79 | 188.09 | 178.74 - 180.26 | 178.7 - 180.5 | - | 180.81 - 188.1 | 18-Feb-92 | | LFZ | 598614.11 | 4783717.85 | |
| 44-II | S | 96 | 0.68 | 188.77 | 188.77 | 188.09 | 181.89 - 184.94 | 181.9 - 185.3 | - | 185.72 - 188.1 | 18-Feb-92 | | LMFZ | 598614.50 | 4783719.28 | |
| 45-I | P | 96 | 0.53 | 189.07 | 189.07 | 188.532 | 178.232 - 179.77 | 178 - 180.2 | - | 180.232 - 188.5 | 20-May-92 | | LFZ | 598752.55 | 4784102.32 | |
| 45-II | S | 96 | 0.7 | 189.24 | 189.24 | 188.532 | 181.432 - 184.48 | 181.4 - 185.5 | - | 185.532 - 188.5 | 20-May-92 | | LMFZ | 598753.71 | 4784103.21 | |
| 46-I | P | 96 | 0.76 | 191.32 | 191.39 | 190.63 | 175.46 - 176.98 | 175.3 - 177.1 | - | 177.13 - 190.6 | 21-May-92 | decom 2016 | LFZ | 599436.73 | 4783909.86 | |
| 46-II | S | 96 | 0.7 | 191.38 | 191.33 | 190.63 | 184.28 - 188.85 | 184.3 - 189.6 | - | 189.63 - 190.6 | 24-May-92 | decom 2016 | UMFZ | 599435.64 | 4783911.14 | |
| 46-IR | P | 96 | | | | TOC not available at time of reporting | | | - | | 27-Jul-16 | | LFZ | 599494.00 | 4783510.00 | |
| 46-IIR | P | 96 | | | | TOC not available at time of reporting | | | - | | 27-Jul-16 | | UMFZ | 599495.00 | 4783510.00 | |
| 46-IIIR | P | 96 | | | | TOC not available at time of reporting | | | - | | 27-Jul-16 | | UFZ | 599494.00 | 4783510.00 | |
| 47-I | P | 96 | 0.69 | 202.42 | 202.42 | 201.734 | 183.864 - 185.38 | 183.8 - 185.7 | - | 185.694 - 201.7 | 20-Oct-92 | | UMFZ | 599917.50 | 4783761.22 | |
| 47-II | P | 96 | 0.7 | 202.55 | 202.55 | 201.851 | 187.291 - 188.81 | 186.9 - 189 | - | 188.951 - 201.9 | 20-Oct-92 | | UFZ | 599918.52 | 4783758.68 | |
| 47-IIR | | | | | | | | | | | | | UFZ | 599918.52 | 4783758.68 | |
| 47-III | P | 96 | 0.69 | 202.43 | 202.43 | 201.741 | 190.711 - 192.23 | 190.7 - 192.4 | - | 192.441 - 201.9 | 22-Oct-92 | | VFZ | 599915.42 | 4783759.88 | |
| 47-IV | S | 96 | 0.79 | 202.67 | 202.67 | 201.88 | 193.59 - 196.64 | 193.6 - 197.1 | - | 197.08 - 201.9 | 22-Oct-92 | | ERAMOSIA | 599916.10 | 4783757.61 | |
| 48-I | P | 96 | 0.71 | 204.51 | 204.51 | 203.8 | 175.06 - 176.52 | 174.3 - 177.1 | - | 177.05 - | 30-Sep-92 | | LFZ | 600209.60 | 4783623.83 | |
| 48-II | P | 96 | 0.75 | 204.55 | 204.55 | 203.8 | 183.71 - 185.16 | 183.6 - 185.4 | - | 185.35 - 203.8 | 1-Oct-92 | | UMFZ | 600210.61 | 4783624.67 | |
| 48-III | P | 96 | 0.76 | 204.56 | 204.56 | 203.8 | 185.95 - 186.9 | 185.9 - 187.2 | - | 187.19 - 203.8 | 1-Oct-92 | | UFZ | 600209.21 | 4783625.45 | |
| 48-IV | S | 96 | 0.75 | 204.55 | 204.55 | 203.8 | 193.84 - 198.26 | 193.8 - 199.1 | - | 199.06 - 203.8 | 2-Oct-92 | | ERAMOSIA | 600210.28 | 4783626.40 | |
| 48-V | P | 96 | 0.8 | 204.6 | 204.6 | 203.8 | 190.36 - 191.89 | 190.2 - 193.5 | 187.8 - 190.21 | 193.51 - 203.8 | | | VFZ | 600209.20 | 4783627.24 | |
| 49-I | P | 96 | 0.73 | 208 | 208 | 207.27 | 173.15 - 174.67 | 172.6 - 174.7 | - | 174.72 - 207.3 | 5-Oct-92 | | LFZ | 600080.30 | 4783190.65 | |
| 49-II | P | 96 | 0.75 | 208.02 | 208.02 | 207.27 | 180.89 - 182.35 | 180.9 - 182.7 | - | 182.72 - 207.3 | 7-Oct-92 | | UMFZ | 600069.00 | 4783199.00 | |
| 49-III | P | 96 | 0.74 | 208.01 | 208.01 | 207.27 | 183.53 - 184.68 | 183.5 - 185.5 | - | 185.51 - 207.3 | 8-Oct-92 | | UFZ | 600078.16 | 4783183.20 | |
| 49-IR | P | 101.6 | 0.6 | 206.59 | 206.59 | 205.99 | 173.07 - 174.6 | 173.1 - 174.9 | 174.9 | 205.99 | 10-Oct-08 | | LFZ | 6000080.30 | 4783190.65 | |
| 49-IV | S | 96 | 0.77 | 208.04 | 208.04 | 207.27 | 193.42 - 196.28 | 193.4 - 202.9 | - | 202.87 - 207.3 | 8-Oct-92 | | ERAMOSIA | 600078.68 | 4783185.20 | |
| 49-V | P | 96 | 0.76 | 207.98 | 207.98 | 207.217 | 187.407 - 188.93 | 187.4 - 189.2 | - | 189.237 - 207.2 | 15-Jul-99 | | VFZ | 600075.00 | 4783205.00 | |
| 50-I | P | 96 | 0.85 | 208.08 | 208.08 | 207.231 | 183.201 - 184.64 | 183 - 184.8 | - | 184.831 - 207.2 | 14-Oct-92 | | UFZ | 599971.56 | 4782926.42 | |
| 50-II | S | 96 | 0.77 | 207.98 | 207.98 | 207.202 | 190.302 - 196.38 | 190.3 - 202 | - | 202.002 - 207.2 | 15-Oct-92 | | ERAMOSIA | 599971.17 | 4782925.22 | |
| 51-I | P | 96 | 0.62 | 208.46 | 208.46 | 207.841 | 173.741 - 175.09 | 173.6 - 175.6 | - | 175.561 - 207.8 | 26-Oct-92 | decommissioned | LFZ | 599610.00 | 4782894.00 | |
| 51-II | P | 96 | 0.68 | 208.5 | 208.5 | 207.821 | 181.091 - 182.54 | 181.1 - 182.7 | - | 182.701 - 207.8 | 27-Oct-92 | decommissioned | UMFZ | 598289.00 | 4782896.00 | |
| 51-III | P | 96 | 0.67 | 208.46 | 208.46 | 207.796 | 183.736 - 185.19 | 183.7 - 185.2 | - | 185.216 - 207.8 | 29-Oct-92 | decommissioned | UFZ | 599614.00 | 4782898.00 | |
| 51-IV | P | 96 | 0.75 | 208.53 | 208.53 | 207.775 | 187.875 - 189.33 | 187.9 - 189.5 | - | 189.465 - 207.8 | 2-Nov-92 | | VFZ | 599625.13 | 4782899.71 | |
| 51-IX | P | 96 | | | | | | | - | | | | UFZ | 599626.00 | 4782910.00 | |
| 51-V | S | 96 | 0.6 | 208.38 | 208.38 | 207.775 | 192.395 - 195.45 | 192.4 - 203.3 | - | 203.345 - 207.8 | 3-Nov-92 | | ERAMOSIA | 598622.65 | 4782891.52 | |
| 51-VI | P | 96 | 0.69 | 208.55 | 208.55 | 207.851 | 163.701 - 165.15 | 163.7 - 165.6 | - | 165.551 - 207.9 | 6-Nov-92 | | RS | 599632.78 | 4782888.47 | |
| 51-VII | P | 96 | | 208.41 | 208.41 | | | | - | | | | LFZ | 599622.00 | 4782906.00 | |
| 51-VIII | P | 96 | | 208.45 | 208.45 | | | | - | | | | UMFZ | 599624.00 | 4782908.00 | |
| 52-I | P | 96 | 0.77 | 205.42 | 205.42 | 204.65 | 185.45 - 186.97 | 185.5 - 187.3 | - | 187.27 - 204.7 | 6-Oct-92 | | UFZ | 599450.84 | 4783101.24 | |
| 52-II | P | 96 | 0.75 | 205.4 | 205.4 | 204.65 | 189.39 - 190.9 | 189.4 - 191.2 | - | 191.15 - 204.7 | 7-Oct-92 | | VFZ | 599451.39 | 4783102.55 | |
| 52-III | S | 96 | 0.85 | 205.5 | 205.5 | 204.65 | 194.61 - 200.71 | 194.6 - 200.9 | - | 200.85 - 204.7 | 8-Oct-92 | | ERAMOSIA | 599455.00 | 4783112.00 | |
| 53-I | P | 96 | 0.83 | 192.16 | 192.16 | 191.333 | 181.523 - 183.04 | 181.5 - 183.4 | - | 183.433 - 191.3 | 5-Nov-92 | Decommissioned in 2005 | UMFZ | 599794.00 | 4783189.00 | |
| 53-II | P | 96 | 0.79 | 192.24 | 192.24 | 191.447 | 184.657 - 186.18 | 184.7 - 186.4 | - | 186.417 - 191.4 | 6-Nov-92 | | UFZ | 599796.00 | 4783191.00 | |
| 53-III | S | 96 | 0.72 | 192.06 | 192.06 | 191.338 | 187.558 - 190.61 | 187.6 - 191 | - | 191.038 - 191.3 | 6-Nov-92 | | VFZ | 599798.00 | 4783193.00 | |
| 54-I | P | 96 | 0.67 | 193.07 | 193.07 | 192.406 | 174.936 - 176.36 | 174.6 - 176.9 | - | 176.916 - 192.4 | 29-Oct-92 | | LFZ | 599851.00 | 4783409.00 | |
| 54-II | P | 96 | 0.75 | 193.11 | 193.11 | 192.356 | 182.136 - 183.66 | 182.1 - 183.9 | - | 183.926 - 192.4 | 3-Nov-92 | | UMFZ | 599851.00 | 4783410.00 | |

**Historic and Current Monitoring Location Details
GLF Environmental, Stoney Creek Region Facility
Stoney Creek, Ontario**

| Monitor | Type | Borehole Diameter (mm) | Stick Up (m) | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Interval (mAMSL) | Filter Pack (mAMSL) | Seal (mAMSL) | Surface Seal (mAMSL) | Construction Date | Status | Screened Unit | UTM Coordinates Easting | UTM Coordinates Northing |
|---------|------|------------------------|--------------|---------------------|---------|------------------------|---------------------------|---------------------|----------------|----------------------|-------------------|---------------------|---------------|-------------------------|--------------------------|
| | | | | Current | Drilled | | | | | | | | | | |
| 54-III | P | 96 | 0.7 | 193.12 | 193.12 | 192.426 | 185.196 - 186.72 | 185.2 - 187 | - | 187.046 - 192.4 | 3-Nov-92 | | UFZ | 599851.00 | 4783411.00 |
| 54-IV | S | 96 | 1 | 193.06 | 193.38 | 192.377 | 188.647 - 191.7 | 188.6 - 192.1 | - | 192.077 - 192.4 | 4-Nov-92 | | VFZ | 599851.00 | 4783412.00 |
| 55-I | S | 96 | 0.78 | 193.31 | 193.31 | 192.53 | 178.72 - 187.86 | 178.7 - 188.5 | - | 188.46 - 192.5 | 21-Jun-94 | | EXCAVATION | 599648.76 | 4783549.24 |
| 56-I | P | 96 | 0.63 | 195.68 | 195.68 | 195.05 | 184.88 - 186.4 | 184.8 - 186.7 | - | 186.7 - 195.1 | 9-Oct-92 | | UMFZ | 599528.18 | 4783872.87 |
| 56-II | P | 96 | 0.64 | 195.69 | 195.69 | 195.05 | 188.03 - 188.87 | 188 - 188.9 | - | 188.87 - 195.1 | 13-Oct-92 | | UFZ | 599530.37 | 4783871.81 |
| 57-I | P | 96 | 0.69 | 204.4 | 202.82 | 202.129 | 187.759 - 189.28 | 187.8 - 189.9 | - | 189.859 - 202.1 | 10-Feb-93 | | UFZ | 599033.08 | 4783465.79 |
| 57-IR | | | | | | | | | | | | | UFZ | 599033.08 | 4783465.79 |
| 57-II | S | 96 | 0.7 | 204.34 | 202.8 | 202.099 | 193.099 - 197.67 | 193.1 - 199.2 | - | 199.159 - 202.1 | 10-Feb-93 | | LEACHAT | 599030.85 | 4783464.05 |
| 58-I | S | 200 | 0.72 | 205.57 | 204.35 | 203.626 | 192.256 - 196.83 | 192.3 - 199.3 | - | 199.326 - 203.6 | 19-Sep-92 | | LEACHAT | 599175.98 | 4783191.53 |
| 59-I | P | 96 | 0.75 | 187.97 | 187.89 | 187.138 | 170.068 - 171.28 | 170.1 - 171.9 | - | 171.878 - 187.1 | 7-Oct-92 | Decommissioned 2014 | RS | 598729.05 | 4783931.10 |
| 59-II | P | 96 | 0.79 | 188.01 | 187.93 | 187.138 | 177.758 - 179.28 | 177.8 - 179.6 | - | 179.638 - 187.1 | 8-Oct-92 | Decommissioned 2014 | LFZ | 598731.55 | 4783930.81 |
| 59-III | S | 96 | 0.81 | 188.04 | 187.95 | 187.138 | 180.388 - 181.91 | 180.4 - 183.5 | - | 183.518 - 187.1 | 8-Oct-92 | Decommissioned 2014 | LMFZ | 598734.03 | 4783930.54 |
| 60-I | P | 96 | 0.77 | 201.11 | 201.11 | 200.34 | 184.24 - 185.76 | 184.2 - 186 | - | 185.99 - 200.3 | 14-Oct-92 | | UMFZ | 599767.69 | 4783804.60 |
| 60-II | P | 96 | 0.69 | 201.05 | 201.05 | 200.357 | 187.307 - 188.78 | 187.2 - 189.2 | - | 189.247 - 200.4 | 14-Oct-92 | | UFZ | 599770.00 | 4783803.84 |
| 60-III | P | 96 | 0.84 | 201.21 | 201.21 | 200.37 | 190.65 - 192.17 | 190.7 - 192.7 | - | 192.65 - 200.4 | 15-Oct-92 | | VFZ | 599769.19 | 4783806.80 |
| 60-IV | P | 96 | 0.73 | 201.08 | 201.08 | 200.35 | - | - | - | - | 22-Jun-95 | | LFZ | 599768.91 | 4783802.45 |
| 61-I | P | 96 | 0.71 | 202.3 | 202.3 | 201.592 | 183.182 - 184.7 | 183.2 - 185.1 | - | 185.112 - 201.6 | 13-Oct-92 | | UMFZ | 600073.09 | 4783716.40 |
| 61-II | P | 96 | 0.73 | 202.33 | 202.33 | 201.601 | 186.201 - 187.72 | 186.2 - 188 | - | 187.981 - 201.6 | 14-Oct-92 | | UFZ | 600071.29 | 4783717.04 |
| 61-III | P | 96 | 0.73 | 202.44 | 202.44 | 201.71 | 190.51 - 192.03 | 190.5 - 192.4 | - | 192.37 - 201.7 | 15-Sep-92 | | VFZ | 600071.63 | 4783714.93 |
| 62-I | P | 96 | 0.7 | 191.59 | 191.59 | 190.885 | 177.995 - 179.52 | 177.6 - 179.7 | 175.4 - 177.65 | 179.725 - 190.9 | 4-Jul-94 | | LFZ | 598801.03 | 4783585.35 |
| 62-II | P | 96 | 0.72 | 191.74 | 191.74 | 191.021 | 179.951 - 181.47 | 180 - 181.9 | - | 181.851 - 191 | 30-Jun-94 | | LMFZ | 598802.73 | 4783583.56 |
| 62-III | P | 96 | 0.72 | 191.73 | 191.73 | 191.009 | 185.619 - 187.14 | 185.6 - 188 | - | 187.989 - 191 | 5-Jul-94 | | UMFZ | 598801.18 | 4783583.92 |
| 62-IV | S | 96/205 | 0.65 | 191.62 | 191.62 | 190.965 | 188.425 - 189.95 | 188.4 - 190.3 | - | 190.335 - 191 | 5-Jul-94 | | UFZ | 598802.81 | 4783584.89 |
| 63-I | P | 96 | 0.74 | 194.52 | 194.58 | 193.837 | 177.077 - 178.6 | 176.6 - 178.8 | - | 178.827 - 193.8 | 5-Jul-94 | | LFZ | 599138.00 | 4783694.00 |
| 63-II | P | 96 | 0.6 | 194.51 | 194.56 | 193.964 | 180.864 - 182.38 | 180.9 - 183 | - | 182.964 - 194 | 6-Jul-94 | | LMFZ | 599140.00 | 4783696.00 |
| 63-III | P | 96 | 0.61 | 194.6 | 194.6 | 193.985 | 186.065 - 187.59 | 186.1 - 188.3 | - | 188.345 - 194 | 6-Jul-94 | | UMFZ | 599142.00 | 4783698.00 |
| 63-IV | S | 96/205 | 0.66 | 194.62 | 194.67 | 194.009 | 188.269 - 191.32 | 188.3 - 191.9 | - | 191.879 - 194 | 7-Jul-94 | | UFZ | 599144.00 | 4783700.00 |
| 64-I | P | 96 | 0.78 | 201.06 | 201.06 | 200.27 | 187.37 - 188.81 | 187.4 - 188.9 | 188.9 - 200.27 | - | 25-Nov-96 | | UFZ | 600259.00 | 4783761.00 |
| 64-II | P | 96 | 0.86 | 201.07 | 201.07 | 200.21 | 191.8 - 193.32 | 191.8 - 193.7 | 193.7 - 200.21 | - | 26-Nov-94 | | VFZ | 600261.00 | 4783763.00 |
| 65-I | P | 96 | 0.68 | 200.52 | 200.52 | 199.84 | 176.75 - 178.22 | 176.8 - 178.4 | 178.4 - 199.84 | - | 17-Dec-97 | Decommissioned 2013 | LFZ | 600124.09 | 4783848.39 |
| 65-II | P | 96 | 0.69 | 200.59 | 200.59 | 199.9 | 184.28 - 185.8 | 184.3 - 186.1 | 186.1 - 199.9 | - | 17-Dec-97 | Decommissioned 2013 | UMFZ | 600123.81 | 4783846.94 |
| 65-III | P | 96 | 0.77 | 200.63 | 200.63 | 199.86 | 187.03 - 188.56 | 187 - 188.8 | 188.8 - 199.86 | - | 18-Dec-97 | Decommissioned 2013 | UFZ | 600123.45 | 4783845.48 |
| 65-IV | P | 96 | 0.64 | 200.54 | 200.54 | 199.9 | 191.65 - 193.17 | 191.7 - 193.4 | 193.4 - 199.9 | - | 19-Dec-97 | Decommissioned 2013 | VFZ | 600123.12 | 4783844.11 |
| 65-V | P | 96 | 0.67 | 200.56 | 200.56 | 199.89 | 194.1 - 198.67 | 194.1 - 199 | 199 - 199.89 | - | 19-Dec-97 | Decommissioned 2013 | ERAMOSIA | 600122.79 | 4783842.58 |
| 66-I | P | 96 | 0.7 | 190.61 | 190.61 | 189.9 | 179.87 - 181.36 | 179.9 - 181.4 | 181.4 - 189.9 | - | 3-Dec-97 | Decommissioned 2013 | LMFZ | 599808.55 | 4783991.95 |
| 66-II | P | 96 | 0.79 | 190.74 | 190.74 | 189.95 | 183.17 - 184.69 | 186.2 - 184.7 | 184.7 - 189.95 | - | 11-Dec-97 | Decommissioned 2013 | UMFZ | 599807.51 | 4783990.68 |
| 66-III | P | 96 | 0.7 | 190.67 | 190.67 | 189.97 | 185.27 - 186.8 | 185.3 - 186.8 | 186.8 - 189.97 | - | 11-Dec-97 | Decommissioned 2013 | UMFZ2 | 599806.64 | 4783989.59 |
| 67-I | P | 96 | 0.66 | 195.28 | 195.24 | 194.58 | 180.25 - 181.78 | 180.1 - 182.1 | 182.1 - 194.58 | - | 3-Dec-97 | | UMFZ | 599142.67 | 4783661.24 |
| 67-II | P | 96 | 0.65 | 195.31 | 195.31 | 194.66 | 185.56 - 187.08 | 185.6 - 187.4 | 187.4 - 194.66 | - | 10-Dec-97 | | UMFZ | 599141.11 | 4783660.87 |
| 67-III | P | 96 | 0.68 | 195.33 | 195.33 | 194.65 | 187.79 - 189.31 | 187.8 - 189.4 | 189.4 - 194.65 | - | 10-Dec-97 | | UFZ | 599139.53 | 4783660.65 |
| 68-I | P | 96 | 0.88 | 200.03 | 200.03 | 199.15 | 178.27 - 179.79 | 178.3 - 180 | 180 - 199.15 | - | 5-Dec-97 | | LFZ | 598488.94 | 4783300.31 |
| 68-II | P | 96 | 0.78 | 200.01 | 200.01 | 199.23 | 185.21 - 186.73 | 185.2 - 186.7 | 186.7 - 199.23 | - | 16-Dec-97 | | UMFZ | 598490.13 | 4783300.95 |
| 68-III | P | 96 | 0.78 | 199.96 | 199.96 | 199.18 | 187.29 - 188.81 | 187.3 - 189 | 189 - 199.18 | - | 16-Dec-97 | | UFZ | 598487.81 | 4783299.78 |
| 68-IV | P | 96 | 0.84 | 200.01 | 200.01 | 199.17 | 191.63 - 193.15 | 191.6 - 193.2 | 193.2 - 199.17 | - | 17-Dec-97 | | VFZ | 598486.68 | 4783298.99 |
| 68-V | P | 96 | 0.83 | 200.02 | 200.02 | 199.19 | 193.86 - 196.91 | 193.7 - 196.9 | 196.9 - 199.19 | - | 17-Dec-97 | Decommissioned 2014 | ERAMOSIA | 598485.75 | 4783298.19 |
| 69-I | P | 96 | 0.63 | 207.58 | 207.58 | 206.95 | 173.65 - 175.17 | 173.7 - 175.5 | 175.5 - 206.95 | - | 4-Dec-97 | | LFZ | 599697.86 | 4782670.65 |
| 69-II | P | 96 | 0.63 | 207.61 | 207.61 | 206.98 | 179.07 - 181.58 | 179.1 - 182 | 182 - 206.98 | - | 9-Dec-97 | | UMFZ | 599696.16 | 4782671.07 |
| 69-III | P | 96 | 0.72 | 207.69 | 207.69 | 206.97 | 182.51 - 184.03 | 182.5 - 184.4 | 184.4 - 206.97 | - | 10-Dec-97 | | UFZ | 599694.46 | 4782671.37 |
| 69-IV | P | 96 | 0.6 | 207.51 | 207.51 | 206.91 | 186.49 - 188.01 | 186.5 - 188.3 | 188.3 - 206.91 | - | 11-Dec-97 | | VFZ | 599693.01 | 4782671.67 |
| 69-V | S | 96 | 0.56 | 207.54 | 207.54 | 206.98 | 198.6 - 200.12 | 198.6 - 200.5 | 200.5 - 206.98 | - | 15-Dec-97 | | ERAMOSIA | 599691.90 | 4782671.82 |
| 69-VI | P | 185 | 0.55 | 207.53 | 207.53 | 206.98 | 200.99 - 204.03 | 201 - 204.6 | 204.6 - 206.98 | - | 16-Dec-97 | | OB | 599690.55 | 4782672.07 |
| 70-I | P | 96 | 0.81 | 193.53 | 193.53 | 192.715 | 184.065 - 185.58 | 183.8 - 186 | - | 185.985 - 192.7 | 14-Jul-99 | | UMFZ | 599497.19 | 4783509.02 |
| 70-II | P | 96 | 0.77 | 193.52 | 193.52 | 192.754 | 186.784 - 188.3 | 186.8 - 188.5 | - | 188.454 - 192.8 | 14-Jul-99 | | UFZ | 599489.65 | 4783511.99 |
| 70-III | S | 96 | 0.76 | 193.58 | 193.58 | 192.813 | 188.973 - 190.49 | 189 - 190.8 | - | 190.803 - 192.8 | 14-Jul-99 | | VFZ | 599494.45 | 4783510.31 |
| 70-III | P | 101.6 | N/A | 193.99 | | | | | | | | | UFZ | 599489.65 | 4783511.99 |
| 71-I | P | 96 | 0.77 | 189.91 | 189.91 | 189.145 | 176.545 - 178.08 | 176.5 - 178.3 | - | 178.325 - 189.1 | 10-Sep-01 | Decommissioned 2014 | LFZ | 598383.68 | 4783453.15 |
| 71-II | P | 96 | 0.77 | 189.89 | 189.89 | 189.119 | 179.289 - 180.81 | 179.3 - 180.9 | - | 180.889 - 189.1 | 11-Sep-01 | Decommissioned 2014 | LMFZ | 598383.99 | 4783451.06 |
| 71-III | S | 96 | 0.75 | 189.88 | 189.88 | 189.126 | 182.166 - 183.7 | 182.2 - 183.8 | - | 183.846 - 189.1 | 11-Sep-01 | Decommissioned 2014 | UMFZ | 598384.31 | 4783449.20 |
| 72-I | P | 101.6 | 1 | 208.9 | | 207.9 | 174.37 | 175.9 | 174.5 | 207.9 | | | LFZ | 599611.57 | 4782855.32 |
| 72-II | P | 101.6 | 1 | 208.72 | | 207.72 | 182.12 | 180.59 | 180.6 | 182.4 | | | UMFZ | 599615.46 | 4782854.18 |
| 72-III | P | 101.6 | 1 | 208.74 | | 207.74 | 184.27 | 183.36 | 183.4 | 183.4 | | | UFZ | 599619.53 | 4782853.19 |

**Historic and Current Monitoring Location Details
GLF Environmental, Stoney Creek Region Facility
Stoney Creek, Ontario**

| Monitor | Type | Borehole Diameter (mm) | Stick Up (m) | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Interval (mAMSL) | Filter Pack (mAMSL) | Seal (mAMSL) | Surface Seal (mAMSL) | Construction Date | Status | Screened Unit | UTM Coordinates Easting | UTM Coordinates Northing | | | |
|---------|------|------------------------|--------------|---------------------|---------|------------------------|---------------------------|---------------------|----------------|----------------------|-------------------|-----------------------------|----------------|-------------------------|--------------------------|------------|-----------|------------|
| | | | | Current | Drilled | | | | | | | | | | | | | |
| 73-I | P | 96 | 0.73 | 206.6 | 206.6 | 205.869 | 181.489 - 183.01 | 181.4 - 183.3 | 180.8 - 181.44 | 183.309 - 205.9 | 12-Sep-01 | | UFZ | 599707.00 | 4782543.00 | | | |
| 73-II | P | 96 | 0.72 | 206.58 | 206.58 | 205.865 | 186.005 - 187.53 | 186 - 187.9 | 185.8 - 186.01 | 187.885 - 205.9 | 13-Sep-01 | | VFZ | 599709.00 | 4782545.00 | | | |
| 74-I | P | 96 | 0.68 | 206.94 | 206.94 | 206.261 | 175.731 - 177.25 | 175.7 - 177.6 | 175.2 - 175.68 | 177.561 - 206.3 | 14-Sep-01 | Decommissioned 2005 | LMFZ | 599489.79 | 4782496.41 | | | |
| 74-II | P | 96 | 0.66 | 206.97 | 206.97 | 206.303 | 179.603 - 181.12 | 179.5 - 181.2 | 179 - 179.52 | 181.183 - 206.3 | 17-Sep-01 | Decommissioned 2005 | UMFZ | 599489.32 | 4782494.82 | | | |
| 74-III | P | 96 | 0.68 | 206.92 | 206.92 | 206.234 | 182.154 - 183.67 | 182.1 - 184.3 | 181.3 - 182.07 | 184.254 - 206.2 | 18-Sep-01 | Decommissioned 2005 | UFZ | 599488.60 | 4782493.08 | | | |
| 74-IV | P | 96 | 0.64 | 206.86 | 206.86 | 206.213 | 185.863 - 187.39 | 185.9 - 187.9 | - | 187.873 - 206.2 | 19-Sep-01 | Decommissioned 2005 | VFZ | 599488.21 | 4782491.71 | | | |
| 74-V | S | 96 | 0.67 | 206.9 | 206.9 | 206.223 | 195.883 - 197.41 | 195.9 - 198.6 | - | 198.633 - 206.2 | 19-Sep-01 | Decommissioned 2005 | ERAMOSA | 599486.94 | 4782489.52 | | | |
| 75-I | P | | | | | | info not available | | | | | | | | 599128.92 | 4783682.82 | | |
| 75-II | P | | | | | | info not available | | | | | | | | 599126.69 | 4783683.42 | | |
| 75-III | P | | | | | | info not available | | | | | | | | 599128.17 | 4783684.93 | | |
| 75-IV | P | | | | | | info not available | | | | | | | | 599127.65 | 4783681.22 | | |
| 76-I | P | 101.6 | 0.8 | 187.3 | | 186.5 | 170.4 | 171.79 | 170.4 | 172.2 | 172.2 | 186.5 | 172.22 - 186.5 | 20-Jul-11 | replacement for 59 | Rochester | 598681.00 | 4783930.00 |
| 76-II | P | 101.6 | 0.8 | 187.3 | | 186.5 | 179.23 | 180.2 | 179.2 | 180.5 | 180.5 | 186.5 | 180.5 - 186.5 | 20-Jul-11 | replacement for 59 | LFZ | 598682.00 | 4783931.00 |
| 76-III | P | 101.6 | 0.8 | 187.3 | | 186.5 | 181.09 | 182.61 | 181.1 | 182.6 | 182.6 | 186.5 | 182.61 - 186.5 | 20-Jul-11 | replacement for 59 | LMFZ | 598683.00 | 4783932.00 |
| 77-V | P | 101.6 | | | | | | | | | | | | | | ERAMOSA | 599911.9 | 4782800.8 |
| 77-II | P | 101.6 | | | | | | | | | | | | | | UMFZ/LMF | 599911.9 | 4782800.8 |
| 77-II | P | 101.6 | | | | | | | | | | | | | | LFZ | 599911.9 | 4782800.8 |
| CW10 | PW | 200 | 0.57 | | 199.92 | 199.355 | 186.675 - 191.44 | - | - | 191.435 - 199.4 | 6-Oct-92 | decommissioned | UFZ | 598608.00 | 4783325.00 | | | |
| CW13 | PW | 200 | 0.46 | 200.29 | 200.29 | 199.83 | 187.97 - 194.16 | - | - | 194.16 - 199.8 | 16-Feb-93 | | UFZ | 598969.06 | 4783543.24 | | | |
| CW15 | PW | 200 | 0.37 | 198.05 | 198.05 | 197.68 | 188.23 - 192.5 | - | - | 192.5 - 197.7 | 4-Feb-93 | | UFZ | 599093.68 | 4783612.59 | | | |
| CW16 | PW | 200 | 0.38 | 197.21 | 197.21 | 196.83 | 188.11 - 195 | - | - | 195 - 196.8 | 4-Feb-93 | | UFZ | 599253.49 | 4783657.13 | | | |
| CW2 | PW | 200 | 0.35 | 201.43 | 201.43 | 201.083 | 189.203 - 193.16 | - | - | 193.163 - 201.1 | 1-Oct-92 | | UFZ | 598825.90 | 4783484.32 | | | |
| CW3 | PW | 200 | 0.63 | 200.89 | 200.89 | 200.258 | 188.068 - 192.34 | - | - | 192.338 - 200.3 | 2-Oct-92 | | UFZ | 598613.85 | 4783405.62 | | | |
| CW35 | PW | 200 | 0.46 | | 200.86 | 200.4 | 187.11 - 192.48 | - | - | 192.48 - 200.4 | 5-Oct-92 | | UFZ | 598752.00 | 4783120.00 | | | |
| CW36 | PW | 200 | 0.4 | | 205.6 | 205.12 | 186.34 - 197.18 | - | - | 197.18 - 205.1 | 5-Oct-92 | | UFZ | 599128.00 | 4783049.00 | | | |
| CW4 | PW | 200 | 0.44 | 200.33 | 200.33 | 199.89 | 187.21 - 198.37 | - | - | 198.37 - 199.9 | 5-Feb-93 | | UFZ | 598583.00 | 4783315.00 | | | |
| CW5 | PW | 200 | 0.57 | 197.9 | 197.9 | 197.322 | 187.692 - 190.01 | - | - | 190.012 - 197.3 | 1-Oct-92 | | UFZ | 599397.70 | 4783754.20 | | | |
| CW5R | | | | | | | | | | | | | | | | UFZ | 599397.70 | 4783754.20 |
| CW7 | PW | 200 | 0.3 | | 202.2 | 201.9 | 199.16 - 187.14 | - | - | 199.16 - 201.9 | 30-Sep-93 | | UFZ | 599271.00 | 4783388.00 | | | |
| G1 | S | 96 | 0.61 | 204.94 | 203.51 | 202.9 | 194.67 - 200.77 | 194.7 - 202 | - | 202 - 202.9 | 11-Nov-92 | Decommissioned | LEACHAT | 598805.23 | 4783167.22 | | | |
| G10 | S | 96 | 0.77 | | 202.85 | 202.074 | 195.694 - 200.26 | 195.7 - 201 | - | 200.974 - 202.1 | 4-Feb-93 | Decommissioned June 1994 | ERAMOSA | 598915.00 | 4783042.00 | | | |
| G11 | S | 96 | 0.66 | 203.3 | 203.91 | 203.253 | 195.923 - 202.02 | 195.9 - 202.2 | - | 202.153 - 203.3 | 3-Feb-93 | | ERAMOSA | 599070.20 | 4782946.96 | | | |
| G12 | S | 96 | 0.65 | 202.98 | 203.61 | 202.963 | 194.973 - 200.3 | 194.5 - 201.8 | - | 201.763 - 203 | 30-Jan-93 | | ERAMOSA | 599005.11 | 4782963.79 | | | |
| G13 | S | 96 | 0.63 | 201.98 | 202.5 | 201.87 | 194.73 - 200.06 | 194.7 - 200.7 | - | 200.67 - 201.9 | 31-Jan-93 | | ERAMOSA | 598907.71 | 4782987.23 | | | |
| G14 | S | 96 | 0.62 | 202.88 | 203.7 | 203.08 | 196.43 - 200.93 | 195.8 - 201.7 | - | 201.68 - 203.1 | 5-Feb-93 | | ERAMOSA | 599023.19 | 4783021.37 | | | |
| G15 | S | 96 | | | | | - | - | - | - | | | ERAMOSA | 599183.00 | 4783012.00 | | | |
| G16 | S | 96 | | | | | - | - | - | - | | | ERAMOSA | 599194.00 | 4783050.00 | | | |
| G17 | S | 96 | | | | | - | - | - | - | | | ERAMOSA | 599201.00 | 4783075.00 | | | |
| G2 | S | 96 | 0.51 | 205.6 | 203.78 | 203.27 | 198.39 - 202.97 | 198.4 - 203.1 | - | 203.07 - 203.3 | 12-Nov-92 | | LEACHAT | 599001.36 | 4783044.61 | | | |
| G23 | S | 96 | 1 | 200.19 | 200.19 | 199.191 | 194.341 - 197.98 | 194.3 - 198.3 | - | 198.281 - 199.2 | 27-Jun-94 | | ERAMOSA | 598561.60 | 4783159.93 | | | |
| G24 | S | 96 | 0.8 | 201.33 | 201.33 | 200.523 | 192.493 - 199.19 | 192.5 - 199.6 | - | 199.553 - 200.5 | 28-Jun-94 | | ERAMOSA | 598698.49 | 4783143.06 | | | |
| G25 | S | | | 204.05 | | | - | - | - | - | 17-Oct-94 | | ERAMOSA | 598851.11 | 4783070.23 | | | |
| G26 | S | | | 206.16 | | | - | - | - | - | 18-Oct-94 | | ERAMOSA | 599167.54 | 4782983.24 | | | |
| G27 | S | 96 | 0.8 | | 205.05 | 204.34 | 191.97 - 202.95 | 192 203.3 | 203.3 | 204.34 | 29-Jun-94 | | | 599224.51 | 4783187.51 | | | |
| G28 | S | 96 | 0.74 | 200.31 | 200.34 | 199.596 | 192.506 - 198.61 | 192.5 - 198.9 | - | 198.906 - 199.6 | 27-Jun-94 | | ERAMOSA | 598567.81 | 4783256.77 | | | |
| G3 | S | 96 | 0.6 | 206.84 | 205.39 | 204.791 | 197.471 - 203.58 | 197.5 - 203.8 | - | 203.801 - 204.8 | 13-Nov-92 | | LEACHAT | 599132.22 | 4783044.47 | | | |
| G35 | S | 96 | 0.88 | 201.05 | 201.26 | 200.38 | 197.8 - 199.32 | 197.8 - 199.5 | - | 199.48 - 200.4 | 20-Jan-94 | | ERAMOSA | 598762.87 | 4783121.00 | | | |
| G4 | S | 96 | 0.6 | | 205.67 | 205.067 | 198.517 - 201.57 | 198 - 203 | - | 202.957 - 205.1 | 12-Jan-93 | decom June 1994 | ERAMOSA | 599153.00 | 4782986.00 | | | |
| G5 | S | 96 | 0.8 | | 203.7 | 202.897 | 198.237 - 200.65 | 197.2 - 201 | - | 200.977 - 202.9 | 14-Jan-93 | decom June 1994 | ERAMOSA | 599013.00 | 4783017.00 | | | |
| G6 | S | 96 | 0.55 | | 201.74 | 201.191 | 196.041 - 199.09 | 195.9 - 199.7 | - | 199.691 - 201.2 | 14-Dec-93 | decom June 1994 | ERAMOSA | 598827.00 | 4783061.00 | | | |
| G7 | S | 96 | 0.51 | | 200.15 | 199.644 | 193.344 - 198.67 | 193.3 - 198.8 | - | 198.794 - 199.6 | 30-Jan-93 | decom June 1994 | ERAMOSA | 598674.00 | 4783108.00 | | | |
| G8 | S | 96 | 0.62 | | 200.72 | 200.097 | 193.207 - 198.54 | 193.2 - 199.2 | - | 199.197 - 200.1 | 29-Jan-93 | decom June 1994 | ERAMOSA | 598569.00 | 4783140.00 | | | |
| G9 | S | 96 | 0.73 | | 203.71 | 202.98 | 195.16 - 201.26 | 195.2 - 202.1 | - | 202.08 - 203 | 3-Feb-93 | decom June 1994 | ERAMOSA | 599068.00 | 4783002.00 | | | |
| L1 | | | | | | | | | | | | | | | | | | |
| M1 | PW | 200 | 0.9 | 194.54 | 192.69 | 191.79 | 178.38 - 185.24 | - | - | 185.29 - 191.8 | 27-Oct-93 | | UMFZ | 599773.00 | 4783551.00 | | | |
| M2 | PW | 200 | 0.9 | 206.26 | 206.26 | 205.36 | 174.48 - 180.95 | - | - | 180.96 - 205.4 | 29-Oct-93 | | UMFZ | 599932.00 | 4782810.00 | | | |
| M3 | PW | 200 | 1 | 192.69 | 194.54 | 193.54 | 179.54 - 186.18 | - | - | 186.14 - 193.5 | 29-Oct-93 | buried under liner test pad | UMFZ | 599738.00 | 4783677.00 | | | |

**Historic and Current Monitoring Location Details
GLF Environmental, Stoney Creek Region Facility
Stoney Creek, Ontario**

| Monitor | Type | Borehole Diameter (mm) | Stick Up (m) | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Interval (mAMSL) | Filter Pack (mAMSL) | Seal (mAMSL) | Surface Seal (mAMSL) | Construction Date | Status | Screened Unit | UTM Coordinates Easting | UTM Coordinates Northing | |
|----------|------|------------------------|--------------|---------------------|---------|------------------------|---------------------------|---------------------|----------------|----------------------|-------------------|-----------|---------------|-------------------------|--------------------------|------------|
| | | | | Current | Drilled | | | | | | | | | | | |
| M4 | PW | 200 | 1.01 | 193.22 | 193.11 | 192.1 | 179.35 - 182.5 | - | - | 188.4 - 192.1 | 18-Apr-94 | | PUMPWEL L | 599648.59 | 4783546.42 | |
| M5 | PW | | | 195.6 | | | - | - | - | - | | | PUMPWEL L | 599126.88 | 4783650.08 | |
| M5a | | | | | | | | | | | | | PUMPWEL L | 599126.88 | 4783650.08 | |
| M5R | | | | | | | | | | | | | PUMPWEL L | 599126.88 | 4783650.08 | |
| P1-I | P | 96 | 0.68 | 197.28 | 197.28 | 196.6 | 176.94 - 178 | 176.2 - 178 | - | 178 - 196.6 | 9-Apr-92 | | LFZ | 599152.04 | 4783623.41 | |
| P1-II | P | 102 | 0.67 | 197.42 | 197.42 | 196.75 | 181.51 - 183.03 | 181.5 - 183.4 | - | 183.35 - 196.8 | 13-May-92 | | LMFZ | 599153.92 | 4783624.60 | |
| P1-III | P | 102 | 0.72 | 197.24 | 197.24 | 196.52 | 187.93 - 189.45 | 187.9 - 190 | - | 190.02 - 196.5 | 13-May-92 | | UFZ | 599147.84 | 4783623.58 | |
| P2-OW1-1 | WM | 96 | 1.32 | 201.93 | 200.61 | 200.61 | 174.81 - 178.61 | 172.5 - 173.9 | 173.9 - 174.81 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW1-2 | WM | 96 | 1.3 | 201.91 | 200.61 | 200.61 | 179.61 - 180.01 | - | 180 - 180.96 | - | 10-Apr-92 | | LFZ | 598849.00 | 4783502.00 | |
| P2-OW1-3 | WM | 96 | 1.32 | 201.93 | 200.61 | 200.61 | 180.96 - 181.11 | - | 181.1 - 182.01 | - | 10-Apr-92 | | LFZ | 598849.00 | 4783502.00 | |
| P2-OW1-4 | WM | 96 | 1.29 | 201.9 | 200.61 | 200.61 | 182.01 - 182.5 | 183.4 - 184.9 | - | 182.5 - 183.41 | - | 10-Apr-92 | | MFZ | 598849.00 | 4783502.00 |
| P2-OW1-5 | WM | 96 | 1.3 | 201.91 | 200.61 | 200.61 | 185.81 - 187.21 | - | 187.2 - 188.11 | - | 10-Apr-92 | | MFZ | 598849.00 | 4783502.00 | |
| P2-OW1-6 | WM | 96 | 1.28 | 201.89 | 200.61 | 200.61 | 188.11 - 188.91 | - | 188.9 - 189.81 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW1-7 | WM | 96 | 1.28 | 201.89 | 200.61 | 200.61 | 189.81 - 190.61 | - | 190.6 - 191.51 | - | 10-Apr-92 | | VFZ | 598849.00 | 4783502.00 | |
| P2-OW1-8 | WM | 96 | 1.08 | 201.56 | 200.61 | 200.61 | 191.64 - 192.55 | 191.6 - 192.6 | 192.6 - 200.61 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW2-1 | WM | 96 | 1.08 | 202.23 | 201.15 | 201.15 | 178.09 - 179.36 | - | 179.4 - 180.27 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW2-2 | WM | 96 | 1.08 | 202.23 | 201.15 | 201.15 | 180.27 - 181.95 | 182.9 - 187.4 | 182 - 182.86 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW2-3 | WM | 96 | 1.08 | 202.23 | 201.15 | 201.15 | 188.35 - 189.42 | - | 189.4 - 190.33 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW2-4 | WM | 96 | 1.08 | 202.22 | 201.14 | 201.14 | 190.32 - 191.08 | - | 191.1 - 192 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW2-5 | WM | 96 | 1.08 | 202.23 | 201.15 | 201.15 | 192.01 - 193.23 | - | 193.2 - 201.15 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW3-1 | WM | 96 | 1.12 | 202.05 | 200.93 | 200.93 | 178.06 - 178.98 | - | 179 - 179.9 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW3-2 | WM | 96 | 1.13 | 202.06 | 200.93 | 200.93 | 179.9 - 181.68 | 182.5 - 186.8 | 181.6 - 182.49 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW3-3 | WM | 96 | 1.12 | 202.05 | 200.93 | 200.93 | 187.67 - 188.43 | - | 188.4 - 189.35 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW3-4 | WM | 96 | 1.14 | 202.07 | 200.93 | 200.93 | 189.35 - 191.33 | - | 191.3 - 192.24 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P2-OW3-5 | WM | 96 | 1.1 | 202.03 | 200.93 | 200.93 | 192.24 - 193.01 | - | 193 - 200.93 | - | 10-Apr-92 | | UFZ | 598849.00 | 4783502.00 | |
| P3-I | P | 96 | 0.89 | 201.05 | 201.05 | 200.16 | 181.2 - 182.72 | 180.4 - 183.2 | - | 183.15 - 200.2 | 20-Apr-92 | | LMFZ | 598611.97 | 4783402.59 | |
| P3-II | P | 96 | 0.85 | 201.05 | 201.05 | 200.2 | 188.2 - 191.25 | 188.2 - 191.7 | - | 191.7 - 200.2 | 13-May-92 | | UFZ | 598611.31 | 4783400.01 | |
| P3-III | P | 96 | 0.78 | 200.97 | 200.96 | 200.18 | 185.4 - 186.96 | 185.4 - 187.2 | 185.4 - 185.43 | - | 6-Nov-92 | | UMFZ | 598610.54 | 4783397.60 | |
| P4-I | P | 96 | 0.65 | 200.28 | 200.28 | 199.63 | 178.29 - 179.81 | 178.2 - 180.4 | 170.7 - 178.19 | 180.36 - 199.6 | 16-Apr-92 | | LFZ | 598570.54 | 4783265.11 | |
| P4-II | P | 96 | 0.65 | 200.33 | 200.32 | 199.67 | 186.92 - 189.97 | 186.8 - 190.1 | - | 190.07 - 199.7 | 13-May-92 | | UFZ | 598568.94 | 4783261.32 | |
| P4-III | P | 96 | 0.75 | 200.38 | 200.38 | 199.63 | 184.37 - 186.03 | 184.2 - 186.2 | 182.5 - 184.17 | - | 2-Nov-92 | | UMFZ | 598568.03 | 4783258.49 | |
| P4-IV | S | 96 | 0.73 | 200.39 | 200.39 | 199.66 | 194.76 - 197.81 | 194.8 - 198.6 | - | 198.56 - 199.7 | 2-Nov-92 | | ERAMOS | 598571.15 | 4783267.68 | |
| P5-I | P | 96 | 0.35 | 198.62 | 198.2 | 197.85 | 177.69 - 179.21 | 177.7 - 180 | - | 179.97 - 199.9 | 16-Sep-92 | | LFZ | 599391.96 | 4783733.59 | |
| P5-IR | | | | | | | | | | | | | LFZ | 599391.96 | 4783733.59 | |
| P5-II | P | 96 | 0.73 | 198.57 | 198.57 | 197.84 | 184.54 - 186.06 | 184.5 - 186.3 | - | 186.32 - 197.8 | 17-Sep-92 | | UMFZ | 599391.27 | 4783731.92 | |
| P5-IIR | | | | | | | | | | | | | UMFZ | 599391.27 | 4783731.92 | |
| P5-III | P | 96 | 0.73 | 198.56 | 198.56 | 197.83 | 187.6 - 189.12 | 187.6 - 189.7 | - | 189.73 - 197.8 | 18-Sep-92 | | UFZ | 599390.62 | 4783730.28 | |
| P5-IIIR | | | | | | | | | | | | | UFZ | 599390.62 | 4783730.28 | |
| P5-IV | S | 96 | 0.79 | 198.7 | 198.7 | 197.91 | 191.61 - 194.66 | 191.6 - 195.6 | - | 195.64 - 197.9 | 22-Sep-92 | | VFZ | 599390.00 | 4783749.00 | |
| P5-IVR | P | 101.6 | 1.01 | 198.6 | 197.59 | 197.59 | 191.89 - 193.41 | 191.9 - 193.2 | 191.9 - 197.59 | 193.17 - 197.6 | 10-Oct-08 | | VFZ | 599390.96 | 4783734.28 | |
| P6-I | P | 96 | 0.76 | 202.22 | 201.98 | 201.22 | 187.17 - 188.72 | 187.2 - 189.2 | - | 189.22 - 201.2 | 11-Sep-92 | | LFZ | 599332.82 | 4783532.58 | |
| P6-IR | | | | | | | | | | | | | LFZ | 599332.82 | 4783532.58 | |
| P7-I | P | 96 | 0.8 | 203.31 | 202.43 | 201.63 | 176.49 - 178 | 176.1 - 178.3 | 173.9 - 176.13 | 178.33 - 201.6 | 10-Sep-92 | | LFZ | 599267.05 | 4783364.32 | |
| P7-II | P | 96 | 0.76 | 203.38 | 202.45 | 201.69 | 184.06 - 185.58 | 184 - 185.9 | 183 - 183.99 | 185.88 - 201.7 | 14-Sep-92 | | UMFZ | 599287.00 | 4783370.00 | |
| P7-III | P | 96 | 0.71 | 203.31 | 202.33 | 201.62 | 187.16 - 188.68 | 187.1 - 189.2 | 186.5 - 187.12 | 189.17 - 201.6 | 15-Sep-92 | | UFZ | 599270.16 | 4783374.92 | |
| P7-IR | P | 101.6 | 1 | 203.71 | 202.71 | 202.71 | 176.04 - 177.56 | 176 - 178 | 176 - 202.71 | - | 10-Oct-08 | | LFZ | 599267.05 | 4783364.32 | |
| P7-IV | P | 96 | 0.72 | 203.32 | 202.33 | 201.61 | 190.6 - 192.12 | 190.6 - 192.5 | - | 192.47 - 201.6 | 15-Sep-92 | | VFZ | 599269.17 | 4783376.61 | |
| P7-V | P | 96 | 0.7 | 202.06 | 201.4 | 201.4 | 183.4 - 185.1 | 183.4 - 186.2 | 186.2 - 201.4 | 186.2 - 201.4 | 19-Jan-93 | | UMFZ | 599293.00 | 4783376.00 | |
| P7-VI | P | | | 203.17 | 203.53 | | - | - | - | - | 20-Jan-93 | | VFZ | 599284.70 | 4783380.93 | |
| P7-VIR | | | | | | | | | | | | | VFZ | 599284.70 | 4783380.93 | |
| P8-I | P | 96 | 0.72 | 205.02 | 205.02 | 204.3 | 186.46 - 187.96 | 186.4 - 188.4 | - | 188.39 - 204.3 | 16-Sep-92 | | UFZ | 599224.32 | 4783186.46 | |
| P8-II | S | 96 | 0.71 | 205.05 | 205.05 | 204.34 | 194.72 - 199.29 | 194.7 - 200.1 | - | 200.13 - 204.3 | 17-Sep-92 | | ERAMOS | 599223.59 | 4783184.32 | |
| P9-I | P | 96 | 0.7 | 204.02 | 203.26 | 202.56 | 186.26 - 187.78 | 186.3 - 188.1 | - | 188.06 - 202.6 | 18-Sep-92 | | UFZ | 598972.09 | 4783042.48 | |
| P9-II | S | 96 | 0.69 | 203.58 | 203.58 | 202.89 | 193.67 - 198.32 | 193.7 - 199.2 | - | 199.17 - 202.9 | 22-Sep-92 | | ERAMOS | 598971.97 | 4783039.40 | |
| P9-III | P | 96 | | 203.43 | | | - | - | - | - | 14-Oct-94 | | VFZ | 598972.53 | 4783032.26 | |
| P10-I | P | 96 | 0.76 | 200.17 | 200.17 | 199.41 | 176.13 - 177.65 | 175.8 - 178.1 | 175.1 - 175.84 | 178.11 - 199.4 | 29-Sep-92 | | LFZ | 598564.55 | 4783160.46 | |
| P10-II | P | 96 | 0.73 | 200.13 | 200.13 | 199.4 | 183.97 - 185.49 | 183.9 - 185.9 | - | 185.85 - 199.4 | 30-Sep-92 | | UMFZ | 598565.85 | 4783161.92 | |
| P10-III | P | 96 | 0.8 | 200.19 | 200.19 | 199.39 | 186.41 - 187.93 | 186.4 - 188.2 | - | 188.2 - 199.4 | 1-Oct-92 | | UFZ | 598566.76 | 4783160.12 | |

**Historic and Current Monitoring Location Details
GLF Environmental, Stoney Creek Region Facility
Stoney Creek, Ontario**

| Monitor | Type | Borehole Diameter (mm) | Stick Up (m) | Top of Pipe (mAMSL) | | Drilled Ground (mAMSL) | Screened Interval (mAMSL) | Filter Pack (mAMSL) | Seal (mAMSL) | Surface Seal (mAMSL) | Construction Date | Status | Screened Unit | UTM Coordinates Easting | UTM Coordinates Northing |
|---------|------|------------------------|--------------|---------------------|---------|------------------------|---------------------------|---------------------|----------------|----------------------|-------------------|--------|---------------|-------------------------|--------------------------|
| | | | | Current | Drilled | | | | | | | | | | |
| P10-IV | P | 96 | 0.75 | 200.17 | 200.17 | 199.42 | 189.87 - 191.39 | 189.9 - 191.7 | - | 191.74 - 199.4 | 1-Oct-92 | | VFZ | 598567.26 | 4783158.12 |
| P10-V | S | 96 | 0.77 | 200.18 | 200.18 | 199.41 | 194.92 - 196.04 | 194.9 - 198 | - | 197.96 - 199.4 | 2-Oct-92 | | ERAMOS | 598564.99 | 4783158.70 |
| P11-I | P | 96 | 0.69 | 201.37 | 201.62 | 200.93 | 178.63 - 180.53 | 178.6 - 180.9 | - | 180.87 - 200.9 | 23-Sep-92 | | LFZ | 598715.67 | 4783453.84 |
| P11-II | P | 96 | 0.71 | 201.55 | 201.65 | 200.94 | 184.04 - 185.56 | 184 - 185.8 | - | 185.78 - 200.9 | 24-Sep-92 | | UMFZ | 598716.11 | 4783452.21 |
| P11-III | P | 96 | 0.72 | 201.6 | 201.66 | 200.94 | 188.34 - 189.86 | 188.2 - 190.1 | - | 190.1 - 200.9 | 28-Sep-92 | | UFZ | 598716.52 | 4783450.81 |
| P12 | P | 96 | 0.6 | 202.57 | 201.76 | 201.16 | 187.96 - 189.19 | 188 - 191.2 | - | 191.16 - 201.2 | 9-Feb-93 | | UFZ | 598896.22 | 4783495.39 |
| P13 | P | 96 | 0.76 | 201.3 | 200.66 | 199.9 | 188.24 - 189.76 | 188.1 - 190.2 | 188 - 188.07 | 190.18 - 199.9 | 13-Feb-93 | | UFZ | 598918.00 | 4783525.00 |
| P14 | P | 96 | 1.14 | 197.57 | 197.75 | 196.61 | 187.81 - 189.33 | 187.8 - 189.7 | - | 189.71 - 196.6 | 27-Jan-93 | | UFZ | 599024.34 | 4783589.91 |
| P15 | P | 96 | 0.64 | 198.01 | 198.01 | 197.37 | 188 - 189.52 | 187.9 - 189.9 | 187.9 - 187.92 | 189.87 - 197.4 | 26-Jan-93 | | UFZ | 599089.18 | 4783612.05 |
| P16 | P | 96 | 0.7 | 197.5 | 197.5 | 196.8 | 188.15 - 189.67 | 187.9 - 190.1 | 187.5 - 187.9 | 190.13 - 196.8 | 25-Jan-93 | | UFZ | 599248.63 | 4783655.99 |
| P17 | P | 96 | 0.7 | 197.89 | 197.89 | 197.19 | 187.77 - 189.29 | 187.6 - 189.7 | 187.1 - 187.64 | 189.74 - 197.2 | 22-Jan-93 | | UFZ | 599314.92 | 4783714.48 |
| ST 1 | P | | | | | | | | | | | | | | |
| ST 2 | P | | | | | | | | | | | | | | |
| ST 1-I | P | 96 | 0.76 | 195.67 | 195.67 | 194.9 | 185.1 - 186.62 | 185.1 - 186.9 | 186.9 - 190.63 | 190.63 - 194.9 | 14-Jul-00 | | UMFZ | 599141.00 | 4783651.63 |
| ST 1-II | S | 96 | 0.77 | 195.67 | 195.67 | 194.9 | 188.02 - 189.54 | 187.9 - 189.9 | - | 189.85 - 194.9 | 14-Jul-00 | | UFZ | 599144.27 | 4783651.39 |
| ST 2-I | P | 96 | 0.65 | 195.75 | 195.75 | 195.1 | 185.52 - 187.05 | 185.4 - 187.2 | 187.2 - 190.02 | 194.3 - 195.1 | 13-Jul-00 | | UMFZ | 599158.46 | 4783653.15 |
| ST 2-II | S | 96 | 0.77 | 195.87 | 195.87 | 195.1 | 188.22 - 189.9 | 188.2 - 190.4 | 189.9 - 190.35 | 190.35 - 195.1 | 13-Jul-00 | | UFZ | 599155.84 | 4783651.79 |

Notes:

blank - data is unavailable. Coordinates for replacement wells have been set to the original well location where data is unavailable.

S - standpipe

P - piezometer

WMP - Waterloo multi-level piezometer

* - Drilled using Air Percussion Drill

Appendix K.3

2021 Water Level Elevations

Appendix K.3

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well | 9-I | 14-I | 29-I | 29-II | 29-III | 29-IV | 30-I | 30-II | 31-I | 31-II | 31-III |
|------------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|---------------|
| Ref. Elev | 202.7 | 188.6 | 195.09 | 195.07 | 194.83 | 195.00 | 204.62 | 204.12 | 202.62 | 203.063 | 202.96 |
| January | 194.33 | 185.03 | 186.24 | 193.01 | 192.22 | 184.54 | 193.78 | 194.54 | 192.41 | 195.853 | 194.15 |
| February | 193.02 | 184.38 | 185.85 | 192.58 | 192.25 | 183.57 | 194.06 | 194.6 | 192.21 | 195.283 | 194.01 |
| March | 194.02 | 185.19 | 185.94 | 192.81 | 192.23 | 184.34 | 194.11 | 194.62 | 192.39 | 196.093 | 194.11 |
| April | 193.75 | 184.83 | 185.98 | 192.95 | 192.22 | 184.01 | 194.28 | 194.67 | 192.4 | 195.543 | 194.23 |
| May | 193.14 | 184.48 | 185.76 | 192.62 | 192.29 | 183.51 | 193.69 | 194.7 | 192.29 | 195.393 | 194.1 |
| June | 193.31 | 184.05 | 186.22 | 192.84 | 192.28 | 183.87 | 193.62 | 194.57 | 192.17 | 195.243 | 193.93 |
| July | 193.61 | 184.95 | 186.7 | 192.8 | 192.27 | 184.33 | 193.35 | 194.45 | 192.12 | 195.163 | 193.88 |
| August | 193.3 | 184.09 | 185.75 | 192.42 | 192.27 | 183.53 | 193.45 | 194.2 | 192.06 | 195.023 | 193.77 |
| September | 194 | 184.85 | 186.03 | 192.73 | 192.31 | 184 | 193.53 | 194.39 | 192.27 | 195.293 | 194.1 |
| October | 194.19 | 185.13 | 186.11 | 192.75 | 192.34 | 184.18 | 193.73 | 194.61 | 192.3 | 195.543 | 194.22 |
| November | 192.83 | 184.69 | 186.24 | 192.79 | 192.42 | 184.15 | 193.95 | 195.23 | 192.4 | 195.743 | 194.38 |
| December | 194.01 | 184.75 | 186 | 192.7 | 192.4 | 184.11 | 193.93 | 195.15 | 192.47 | 195.743 | 194.39 |

Appendix K.3

2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility

| Well | 32-I | 32-II | 33-I | 33-II | 35-III | 35-IV | 35-V | 35-VI | 35-VII | 36-IR | 36-IIR |
|-----------|---------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Ref. Elev | 204.693 | 204.687 | 205.62 | 205.60 | 201.09 | 201.17 | 201.16 | 201.21 | 201.37 | 204.54 | 204.621 |
| January | pvc piping detached | 195.087 | 194.3 | 194.09 | 182.35 | 193 | 196.99 | 185.98 | 191.87 | 186.3 | 182.371 |
| February | pvc piping detached | 195.157 | 194.35 | 194.16 | 181.36 | 192.76 | 195.29 | 185.91 | 193.44 | 186.09 | 181.401 |
| March | pvc piping detached | 195.167 | 194.42 | 194.21 | 182.44 | 192.92 | 196.97 | 185.9 | 199.86 | 186.21 | 182.151 |
| April | pvc piping detached | 195.427 | 194.45 | 194.25 | 181.93 | 193.01 | 195.96 | 186.11 | 193.81 | 186.4 | 182.021 |
| May | pvc piping detached | 195.287 | 194.46 | 194.27 | 181.52 | 192.78 | 195.41 | 186.08 | 193.44 | 186.27 | 181.561 |
| June | pvc piping detached | 195.157 | 194.41 | 194.21 | 182.04 | 192.72 | 195.36 | 186.01 | 193.39 | 186.24 | 181.621 |
| July | pvc piping detached | 195.087 | 194.37 | 194.17 | 182.05 | 192.63 | 195.68 | 186.08 | 193.49 | 186.34 | 182.171 |
| August | pvc piping detached | 194.947 | 194.23 | 194.03 | 181.45 | 192.6 | 195.06 | 185.89 | 193.22 | 186.16 | 181.501 |
| September | pvc piping detached | 195.027 | 194.23 | 194.03 | 182.18 | 192.92 | 196.29 | 186.08 | 194.04 | 186.42 | 182.241 |
| October | pvc piping detached | 195.317 | 194.33 | 194.14 | 182.31 | 192.96 | 196.59 | 186.11 | 194.14 | 186.45 | 182.381 |
| November | pvc piping detached | 195.637 | 194.59 | 194.39 | 181.87 | 193.03 | 195.84 | 186.16 | 193.95 | 186.45 | 181.921 |
| December | pvc piping detached | 195.537 | 194.69 | 194.49 | 182.05 | 193.08 | 196.28 | 186.11 | 194.09 | 186.39 | 182.171 |

Appendix K.3

2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility

| Well Ref. Elev | 36-IIIR 204.531 | 36-IVR 204.451 | 36-VR 204.505 | 40-I 194.39 | 40-IIIR 194.372 | 40-III 194.28 | 41-I 192.57 | 41-II 192.57 | 41-III 192.68 | 42-I 204.05 | 42-II 204.14 |
|-------------------|--------------------|-------------------|------------------|----------------|--------------------|------------------|----------------|-----------------|------------------|----------------|-----------------|
| January | 194.411 | 197.971 | 193.975 | 185.05 | 192.872 | 192.78 | 181.82 | 186.88 | 191.89 | 184.4 | 192.08 |
| February | 193.361 | 197.231 | 193.025 | 184.26 | 192.352 | 192.27 | 180.8 | 186.76 | 191.29 | 183.85 | 191.75 |
| March | 194.161 | 197.841 | 193.805 | 184.97 | 192.772 | 192.69 | 181.72 | 187.01 | 191.92 | 184.05 | 191.98 |
| April | 193.831 | 197.621 | 193.455 | 184.86 | 192.682 | 192.58 | 181.3 | 187.31 | 191.88 | 184.21 | 191.95 |
| May | 193.501 | 197.311 | 193.025 | 184.45 | 192.292 | 192.19 | 180.85 | 187.17 | 191.13 | 184.02 | 191.84 |
| June | 193.481 | 197.351 | 193.005 | 184.97 | 192.272 | 192.18 | 180.77 | 187.35 | 190.23 | 184.1 | 191.7 |
| July | 193.731 | 197.501 | 193.155 | 185.23 | 192.412 | 192.31 | 182.02 | 187.11 | 189.9 | 184.2 | 191.57 |
| August | 193.221 | 197.151 | 192.745 | 184.37 | 192.192 | 192.09 | 180.69 | 186.8 | 188.62 | 182.87 | 191.66 |
| September | 194.281 | 197.781 | 193.765 | 184.95 | 192.822 | 192.72 | 181.45 | 187.22 | 190.88 | 184.57 | 192.05 |
| October | 194.471 | 197.881 | 193.915 | 185 | 192.862 | 192.76 | 181.64 | 187.29 | 191.86 | 184.68 | 192.1 |
| November | 193.971 | 197.541 | 193.555 | 184.64 | 192.852 | 192.77 | 181.14 | 187.4 | 191.87 | 184.47 | 193.41 |
| December | 194.011 | 197.791 | 193.755 | 184.66 | 192.812 | 192.76 | 181.45 | 187.21 | 191.88 | 184.64 | 193.57 |

Appendix K.3

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well | 42-III | 43-I | 43-II | 44-I | 44-II | 45-I | 45-II | 46-IR | 46-IIR | 46-IIIR | 47-I |
|------------------|---------------|---------------|----------------|---------------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|
| Ref. Elev | 204.24 | 192.79 | 192.733 | 188.79 | 188.77 | 189.07 | 189.24 | 191.813 | 191.811 | 191.851 | 202.419 |
| January | 194.28 | 182.49 | 182.323 | 182.39 | 186.94 | 183.17 | 184.6 | 184.253 | 187.351 | 190.631 | 187.049 |
| February | 193.51 | 181.55 | 181.383 | 181.47 | 185.8 | 182.23 | 183.65 | 183.283 | 186.721 | 189.821 | 186.179 |
| March | 194.02 | 182.28 | 182.003 | 182.29 | 184.87 | 182.81 | 184.67 | 184.143 | 187.271 | 190.851 | 186.789 |
| April | 193.97 | 182.23 | 182.003 | 182.04 | 186.75 | 183.09 | 185.27 | 183.663 | 187.641 | 190.151 | 186.589 |
| May | 193.54 | 181.77 | 181.583 | 181.65 | 186.18 | 182.68 | 184.46 | 183.273 | 186.741 | 189.471 | 186.299 |
| June | 193.49 | 181.72 | 181.583 | 181.64 | 185.69 | 182.42 | 184.09 | 183.443 | 186.811 | 189.001 | 186.419 |
| July | 193.51 | 182.22 | 182.133 | 182.01 | 185.77 | 182.77 | 184.32 | 183.713 | 186.911 | 188.931 | 186.619 |
| August | 193.31 | 181.59 | 181.493 | 181.5 | 185.08 | 182.19 | 183.43 | 183.243 | 186.721 | 188.781 | 186.269 |
| September | 194.16 | 182.41 | 182.253 | 182.13 | 186.64 | 183.02 | 184.68 | 183.843 | 187.291 | 190.541 | 186.899 |
| October | 194.28 | 182.52 | 182.373 | 182.38 | 186.88 | 183.28 | 184.9 | 184.063 | 187.421 | 190.681 | 187.059 |
| November | 194.07 | 182.06 | 181.883 | 181.97 | 186.77 | 182.85 | 184.42 | 183.773 | 187.211 | 190.521 | 186.739 |
| December | 194.28 | 182.29 | 182.093 | 182.23 | 186.95 | 183.24 | 184.93 | 183.893 | 187.301 | 190.661 | 186.859 |

Appendix K.3

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well | 47-IIR | 47-III | 47-IV | 48-I | 48-II | 48-III | 48-IV | 48-V | 49-IR | 49-II | 49-III |
|------------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|---------------|
| Ref. Elev | 202.488 | 202.428 | 202.669 | 204.51 | 204.55 | 204.56 | 204.55 | 204.6 | 208.167 | 202.84 | 194.95 |
| January | 194.348 | 193.348 | 194.589 | 183.96 | 187.51 | 191.69 | 195.91 | 193.5 | 193.357 | 188.07 | 177.06 |
| February | 192.458 | 192.608 | 193.739 | 183.07 | 186.8 | 191.18 | 195.39 | 193 | 192.467 | 187.16 | 177.19 |
| March | 194.448 | 193.288 | 194.759 | 183.79 | 187.18 | 191.38 | 195.86 | 193.37 | 193.127 | 187.84 | 177.27 |
| April | 192.888 | 192.958 | 194.169 | 183.47 | 187.23 | 191.45 | 195.73 | 193.22 | 192.927 | 187.65 | 177.39 |
| May | 192.488 | 192.608 | 193.789 | 183.13 | 186.87 | 191.08 | 195.38 | 192.89 | 192.457 | 187.14 | 177.52 |
| June | 192.398 | 192.578 | 193.819 | 183.23 | 186.75 | 190.96 | 195.25 | 192.78 | 192.437 | 187.09 | 177.6 |
| July | 192.508 | 192.688 | 194.069 | 183.45 | 186.9 | 191.06 | 195.38 | 192.85 | 192.597 | 187.31 | 177.66 |
| August | 192.268 | 192.478 | 193.669 | 183.05 | 186.57 | 190.98 | 195.21 | 192.76 | 192.297 | 186.99 | 177.75 |
| September | 193.108 | 193.218 | 194.359 | 183.64 | 187.47 | 191.35 | 195.6 | 193.23 | 193.187 | 187.88 | 177.87 |
| October | 193.298 | 193.338 | 194.589 | 183.84 | 187.67 | 191.35 | 195.8 | 193.45 | 193.307 | 188.66 | 177.9 |
| November | 193.108 | 193.208 | 194.069 | 183.51 | 187.3 | 191.21 | 195.5 | 193.18 | 193.157 | 187.9 | 175.47 |
| December | 193.188 | 193.218 | 194.409 | 183.66 | 187.38 | 191.15 | 195.59 | 193.17 | 193.107 | 187.92 | 178.11 |

Appendix K.3

2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility

| Well Ref. Elev | 49-IV | 49-V | 50-I | 50-II | 51-IV | | 208.379 |
|-------------------|--------|--------|-------------------------------|-------------------------------|--------|----------|---------|
| | 208.04 | 207.98 | 208.08 | 207.976 | 208.53 | 213.233 | |
| January | 197.45 | 193.28 | No access due to construction | No access due to construction | 193.68 | - | 196.159 |
| February | 197.04 | 192.32 | No access due to construction | No access due to construction | 192.58 | - | 195.529 |
| March | 197.52 | 193.09 | No access due to construction | No access due to construction | 193.34 | - | 195.919 |
| April | 197.56 | 192.75 | No access due to construction | No access due to construction | 193.03 | - | - |
| May | 197.22 | 192.26 | No access due to construction | No access due to construction | 192.5 | - | 195.619 |
| June | 197.29 | 192.26 | No access due to construction | No access due to construction | 192.5 | - | 195.679 |
| July | 197.1 | 192.43 | No access due to construction | No access due to construction | 192.66 | - | 195.629 |
| August | 196.87 | 192.09 | 188.08 | 193.786 | 192.34 | - | 195.609 |
| September | 197.35 | 192.99 | No access due to construction | No access due to construction | - | 193.323* | - |
| October | 197.68 | 193.16 | No access due to construction | No access due to construction | - | 193.563 | - |
| November | 197.5 | 193.03 | No access due to construction | No access due to construction | - | 193.273 | - |
| December | 197.43 | 193.41 | No access due to construction | No access due to construction | - | 193.393 | - |

Appendix K.3

2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility

| Well | 51-V | 51-VI | | 52-I | 52-II | 52-III | 55-I |
|-----------|---------------------------------|---------|---------------------------------|--------|--------|--------|--------|
| Ref. Elev | 213.324 | 208.546 | 213.445 | 205.42 | 205.4 | 205.5 | 193.31 |
| January | - | 194.006 | - | 193.37 | 193.29 | 195.38 | 186.37 |
| February | - | 192.916 | - | 192.07 | 192.36 | 194.82 | 185.11 |
| March | - | 193.636 | - | 193.47 | 193.3 | 198.8 | 186.02 |
| April | - | - | - | 192.7 | 192.62 | 195.04 | 186.08 |
| May | - | 192.846 | - | 192.32 | 192.22 | 194.75 | 185.17 |
| June | - | 192.846 | - | 192.29 | 192.2 | 194.7 | 187.07 |
| July | - | 193.006 | - | 192.39 | 192.3 | 194.73 | 186.66 |
| August | - | 192.706 | - | 192.22 | 192.04 | 194.68 | 185.05 |
| September | 196.014* Berm and Well Extended | - | 193.505* Berm and Well Extended | 192.99 | 192.95 | 194.91 | 185.15 |
| October | 196.134 | - | 193.755 | 193.42 | 193.26 | 195.19 | 185.31 |
| November | 195.784 | - | 193.485 | 193.12 | 192.87 | 194.88 | 186.6 |
| December | 195.924 | - | 193.575 | 193.32 | 193.06 | 195.21 | 184.56 |

Appendix K.3

2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility

| Well Ref. Elev | 56-I | | 56-II | | 57-IR | 57-II | 58-I | 60-I | 60-II | 60-III |
|-------------------|----------|--------|----------|--------|---------|--------|---------|---------|--------|---------|
| | 195.623 | 195.68 | 195.64 | 195.69 | 204.362 | 204.34 | 205.573 | 201.105 | 201.05 | 201.214 |
| January | - | 187.28 | - | 189.41 | 192.842 | 197.85 | 195.703 | 187.255 | 192.59 | 193.614 |
| February | - | 186.46 | - | 188.84 | 192.602 | 194.48 | 195.593 | 186.365 | 192.29 | 193.044 |
| March | - | 187.21 | - | 189.53 | 192.842 | 195.5 | 195.863 | 186.995 | 192.65 | 193.464 |
| April | - | 186.74 | - | 189.14 | 192.812 | 195.31 | 195.803 | 186.745 | 192.53 | 193.374 |
| May | - | 186.48 | - | 188.9 | 192.682 | 194.37 | 195.593 | 186.475 | 192.23 | 192.964 |
| June | - | 186.55 | - | 188.89 | 192.662 | 194.26 | 195.453 | 186.485 | 192.23 | 192.884 |
| July | - | 186.76 | - | 189.06 | 192.312 | 194.19 | 195.403 | 186.755 | 192.23 | 192.964 |
| August | - | 186.47 | - | 188.77 | 192.572 | 194.12 | 195.273 | 186.415 | 192.19 | 192.754 |
| September | 186.913* | - | 189.030* | - | 192.542 | 196.44 | 195.513 | 187.045 | 192.6 | 193.794 |
| October | 187.113 | - | 189.24 | - | 192.702 | 197.3 | 195.763 | 187.245 | 192.59 | 193.914 |
| November | 186.813 | - | 189.03 | - | 192.862 | 194.74 | 196.073 | 186.825 | 192.57 | 193.684 |
| December | 186.883 | - | 189.21 | - | 192.942 | 197.08 | 196.143 | 187.025 | 192.64 | 193.614 |

Appendix K.3

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well Ref. Elev | 60-IV 201.076 | 61-I 202.304 | 61-II 202.329 | 61-III 202.44 | 62-I 191.59 | 62-II 191.74 | 62-III 191.73 | 62-IV 191.62 | 67-I 195.277 | 67-II 195.305 | 67-III 195.326 |
|---------------------------|--------------------------|-------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|-------------------------|--------------------------|---------------------------|
| January | 183.736 | 187.304 | 190.669 | 193.19 | 182.49 | 182.44 | 189.22 | 190.88 | 184.377 | 186.905 | 189.596 |
| February | 182.776 | 186.614 | 189.819 | 192.58 | 181.54 | 181.5 | 188.97 | 190.22 | 183.607 | 186.345 | 189.096 |
| March | 183.596 | 186.994 | 190.219 | 193.05 | 182.3 | 182.24 | 189.76 | 190.93 | 184.197 | 186.655 | 189.606 |
| April | 183.186 | 187.024 | 190.279 | 192.9 | 182.19 | 182.09 | 189.66 | 190.69 | 183.987 | 186.945 | 189.376 |
| May | 182.806 | 186.684 | 189.859 | 192.52 | 181.77 | 181.68 | 189.28 | 190.17 | 183.557 | 186.455 | 189.156 |
| June | 182.956 | 186.564 | 189.769 | 192.49 | 181.73 | 181.69 | 188.73 | 189.67 | 183.777 | 186.495 | 189.086 |
| July | 183.226 | 186.774 | 189.919 | 192.62 | 182.31 | 182.26 | 188.63 | 189.42 | 184.177 | 186.565 | 189.206 |
| August | 182.776 | 186.434 | 189.649 | 192.4 | 181.59 | 181.57 | 188.36 | 189.08 | 183.487 | 186.325 | 188.996 |
| September | 183.366 | 187.324 | 190.439 | 193.1 | 182.39 | 182.34 | 189.24 | 190.7 | 184.237 | 186.805 | 189.486 |
| October | 183.566 | 187.504 | 190.539 | 193.21 | 182.52 | 182.48 | 189.41 | 190.8 | 184.277 | 187.025 | 189.606 |
| November | 183.256 | 187.124 | 190.159 | 193.15 | 182.06 | 182 | 189.3 | 190.75 | 184.047 | 186.945 | 189.386 |
| December | 183.376 | 187.204 | 190.379 | 193.12 | 182.29 | 182.26 | 189.73 | 190.75 | 184.107 | 186.975 | 189.546 |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well | 68-I | 68-II | 68-III | 68-IV | 72-I | 72-II | 72-III | 75-I |
|------------------|----------------|---------------|---------------|---------------|--------------------------------------|--------------------------------------|--------------------------------------|----------------|
| Ref. Elev | 199.825 | 199.47 | 199.07 | 198.62 | 208.682 | 208.644 | 208.809 | 191.923 |
| January | 182.325 | 186.34 | 192.29 | 193.46 | No access construction and stripping | No access construction and stripping | No access construction and stripping | 184.363 |
| February | 181.375 | 186.27 | 192.17 | 193.16 | No access construction and stripping | No access construction and stripping | No access construction and stripping | 183.483 |
| March | 182.355 | 186.33 | 192.22 | 193.64 | No access construction and stripping | No access construction and stripping | No access construction and stripping | 184.163 |
| April | 181.925 | 186.47 | 192.43 | 193.32 | 186.342 | 186.374 | 192.649 | 183.903 |
| May | 181.545 | 186.48 | 192.34 | 193.22 | 182.612 | 186.294 | 189.409 | 183.493 |
| June | 181.645 | 186.47 | 192.12 | 193.22 | 185.232 | 186.344 | 191.109 | 183.673 |
| July | 181.995 | 186.47 | 192.17 | 193.22 | 186.612 | 186.444 | 191.529 | 184.103 |
| August | 181.445 | 186.27 | 191.91 | 193.09 | 181.582 | 186.244 | 188.939 | 183.413 |
| September | 182.065 | 186.35 | 192.23 | 193.42 | 185.622 | 186.414 | 191.789 | 184.163 |
| October | 182.325 | 186.47 | 192.3 | 193.62 | 186.132 | 186.474 | 192.179 | 184.213 |
| November | 181.935 | 186.59 | 192.24 | 193.36 | 186.382 | 186.734 | 190.209 | 183.973 |
| December | 182.145 | 186.49 | 192.38 | 193.4 | 185.012 | 186.344 | 191.729 | 184.033 |

Appendix K.3

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well | 75-II | 75-III | 75-IV | 76-I | 76-II | 76-III | 77-I | 77-II |
|------------------|----------------|----------------|----------------|---------------|---------------|---------------|--------------------------------------|--------------------------------------|
| Ref. Elev | 191.573 | 191.895 | 192.486 | 187.85 | 187.82 | 187.68 | 206.996 | 207.024 |
| January | 184.053 | 189.595 | 189.196 | 175.11 | 182.58 | 183.25 | No access construction and stripping | No access construction and stripping |
| February | 183.173 | 189.135 | 188.696 | 174.65 | 181.58 | 182.3 | No access construction and stripping | No access construction and stripping |
| March | 183.853 | 189.495 | 189.116 | 175.03 | 182.26 | 182.76 | No access construction and stripping | No access construction and stripping |
| April | 183.603 | 189.395 | 188.926 | 175.16 | 182.33 | 183.02 | No access construction and stripping | No access construction and stripping |
| May | 183.183 | 189.235 | 188.726 | 174.78 | 181.83 | 182.49 | 187.716 | 186.934 |
| June | 183.373 | 188.845 | 188.636 | 176.75 | 181.74 | 182.38 | Field Error | 186.774 |
| July | 183.793 | 189.145 | 188.816 | 175.15 | 182.14 | 182.73 | 190.446 | 186.974 |
| August | 183.123 | 188.855 | 188.516 | 174.79 | 181.61 | 182.24 | 187.206 | 186.714 |
| September | 183.863 | 189.445 | 189.036 | 174.97 | 182.32 | 182.95 | 187.486 | 186.764 |
| October | 183.903 | 189.465 | 189.106 | 175.02 | 182.55 | 183.18 | 187.516 | 186.794 |
| November | 183.673 | 189.495 | 189.006 | 174.46 | 182.08 | 182.74 | 187.336 | 186.984 |
| December | 183.733 | 189.515 | 189.166 | 174.76 | 182.41 | 183.05 | 187.296 | 186.804 |

Appendix K.3

2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility

| Well | 77-III | D2 | ELS | G1 | G2 | G3 | G11 | G12 | G13 |
|-----------|--------------------------------------|--------------|--------------|---------|--------|------------|---------|---------|---------|
| Ref. Elev | 207.112 | - | - | 204.94 | 205.6 | 200.336 | 203.303 | 202.977 | 201.975 |
| January | No access construction and stripping | inaccessible | 19.290 mBTOR | 195.42 | 200.85 | Glued Shut | 198.173 | 197.927 | 197.685 |
| February | No access construction and stripping | inaccessible | 19.980 mBTOR | 194.83 | 199.63 | Glued Shut | 197.503 | 196.927 | 196.385 |
| March | No access construction and stripping | inaccessible | 20.060 mBTOR | 195.05 | 200.76 | Glued Shut | 192.953 | 197.677 | 197.525 |
| April | No access construction and stripping | inaccessible | 20.700 mBTOR | 195.11 | dry | Glued Shut | 197.853 | 197.407 | 196.785 |
| May | 197.692 | inaccessible | - | 194.88 | dry | Glued Shut | 197.573 | 197.057 | 196.505 |
| June | 197.562 | inaccessible | 19.830 mBTOR | 194.74 | dry | Glued Shut | 197.653 | 197.207 | 196.555 |
| July | 197.722 | Inaccessible | 20.350 mBTOR | 194.74 | dry | Glued Shut | 197.903 | 197.407 | 196.775 |
| August | 197.402 | inaccessible | 19.980 mBTOR | 194.59 | dry | Glued Shut | 197.423 | 196.807 | 196.315 |
| September | 197.772 | inaccessible | 19.620 mBTOR | 195.16 | dry | Glued Shut | 198.033 | 197.597 | 197.205 |
| October | 197.982 | inaccessible | 19.970 mBTOR | 195.43 | 199.8 | Glued Shut | 198.043 | 197.647 | 197.175 |
| November | 197.682 | - | 19.690 mBTOR | 195.252 | dry | glued shut | 197.663 | 197.317 | 196.825 |
| December | 197.652 | inaccessible | 21.090 mBTOR | 195.24 | 199.82 | | 197.973 | 197.597 | 197.115 |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well Ref. Elev | G14 | G23 | G24 | G25 | G26 | |
|-------------------|---------|---------|---------|---------|--|---|
| | 202.875 | 200.189 | 201.327 | 204.048 | 204.665 | 206.163 |
| January | 196.445 | 196.209 | 197.627 | 196.788 | - | WL Meter won't fit down new 2019 1/2" gas well |
| February | dry | 195.209 | 195.437 | 195.828 | - | WL Meter won't fit down new 2019 1/2" gas well |
| March | 196.525 | 196.679 | 198.007 | 196.758 | - | WL Meter won't fit down new 2019 1/2" gas well, No access |
| April | dry | 195.699 | 196.107 | 196.238 | - | WL Meter won't fit down new 2019 1/2" gas well |
| May | dry | 195.209 | 195.477 | 195.938 | - | WL Meter won't fit down new 2019 1/2" gas well |
| June | dry | 195.189 | 195.477 | 195.948 | - | WL Meter won't fit down new 2019 1/2" gas well |
| July | dry | 195.189 | 195.617 | 196.148 | - | WL Meter won't fit down new 2019 1/2" gas well |
| August | dry | 194.989 | 195.177 | 195.618 | - | WL Meter won't fit down new 2019 1/2" gas well |
| September | dry | 195.619 | 196.277 | 196.398 | * WL Meter won't fit down new 2019 1/2" gas well | - |
| October | 195.725 | 195.899 | 196.947 | 196.488 | WL Meter won't fit down new 2019 1/2" gas well | - |
| November | 195.665 | 195.499 | 195.977 | 196.208 | WL Meter won't fit down new 2019 1/2" gas well | - |
| December | dry | 195.809 | 196.477 | 196.448 | WL Meter won't fit down new 2019 1/2" gas well | - |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well Ref. Elev | G27 205.05 | G28 200.336 | G35 201.05 | GWPS 208.78 | L1 192.497 | LS1 217.213 | LS2 209.775 |
|---------------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|------------------------------|--|
| January | 196.23 | 195.966 | 199.95 | 193.810 Off | 179.637 | 195.513 | 198.205 |
| February | 196.05 | 195.336 | dry | 192.760 Off | 178.577 | 194.903 | 197.765 |
| March | 196.39 | 196.286 | 199.59 | 193.270 Off | 179.487 | 194.963 | 197.785 |
| April | 196.28 | 195.636 | dry | 193.270 Off | 179.097 | 194.833 | 197.495 |
| May | 196.05 | 195.416 | dry | 192.780 Off | 178.607 | No access capping of Phase 1 | 197.395 |
| June | 195.9 | 195.246 | dry | 192.680 Off | 178.467 | 194.813 | 197.435 |
| July | 195.88 | 195.136 | dry | 192.850 Off | 180.147 | 194.813 | 197.505 |
| August | 195.72 | 195.066 | dry | 192.490 Off | 178.347 | 194.793 | 197.515 |
| September | 196.01 | 195.576 | dry | 193.500 Off | 179.177 | 195.173 | Flushed out and now holding water |
| October | 196.27 | 195.856 | 198.2 | 193.640 Off | 179.387 | 195.103 | Flushed out and now holding water; Well under assessment |
| November | 196.53 | 195.706 | dry | 193.420 Off | 178.847 | 194.933 | Flushed out and now holding water |
| December | 196.62 | 195.856 | 198.27 | 193.540 Off | 179.177 | 194.823 | 202.345 |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well Ref. Elev | LS3 209.775 | M1 194.54 | M2 206.26 | M4 193.11 | M5 195.599 | M5A 196.585 | M5R 196.373 | P1-I 197.276 |
|---------------------------|--|----------------------|----------------------|----------------------|-----------------------|------------------------|--|-------------------------|
| January | No access construction and stripping | 187.52 | - | 185.81 | 189.999 | 190.285 Off | 187.563 Off | 184.236 |
| February | 195.275 | 186.57 | buried in berm clay | 184.23 | 189.529 | 189.645 | 187.283 | 183.416 |
| March | 195.245 | 186.92 | buried in berm clay | 185.55 | 190.209 | 190.095 | 187.463 On and Off Short Periods - hours | 184.066 |
| April | 194.585 | 187.41 | buried in berm clay | 185.56 | 189.789 | 190.275 | 187.243 Off - well runs periodically | 183.826 |
| May | inaccessible due to extension of monitor | 186.71 | buried in berm clay | 184.75 | 189.599 | 189.735 | 187.133 Off - well runs periodically | 183.426 |
| June | inaccessible due to extension of monitor | 187.39 | buried in berm clay | 186.79 | 189.519 | 189.515 | 185.973 Off - well runs periodically | 183.596 |
| July | inaccessible due to extension of monitor | 187.62 | buried in berm clay | 186.36 | 189.539 | 189.425 Off | 187.283 Off | 183.996 |
| August | inaccessible due to extension of monitor | 186.55 | buried in berm clay | 184.33 | 188.519 | 189.105 Off | 186.733 Off - well runs periodically | 183.356 |
| September | inaccessible due to extension of monitor | 186.75 | buried in berm clay | 184.65 | 189.839 | 190.045 Off | 187.193 Off - well runs periodically | 183.926 |
| October | Construction; inaccessible due to extension of monitor | 186.89 | buried in berm clay | 184.71 | 189.909 | 190.285 Off | 187.373 Off - well runs periodically | 184.136 |
| November | Construction | 187.37 | buried in berm clay | 186.32 | 189.579 | 189.945 Off | 187.143 Off - well runs periodically | 183.916 |
| December | - | 186.81 | buried in berm clay | 184.36 | 189.909 | 190.305 Off | 186.433 Off - well runs periodically | 184.016 |

Appendix K.3

2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility

| Well Ref. Elev | P1-II 197.42 | P1-III 197.24 | P2-I 201.42 | P2-II 201.882 | P3-I 201.046 | P3-II 201.047 | P3-III 201.145 | P4-I 200.28 | P4-II 200.327 | P4-III 200.382 | P4-IV 200.392 |
|-------------------|-----------------|------------------|----------------|------------------|-----------------|------------------|-------------------|----------------|------------------|-------------------|------------------|
| January | 184.4 | 195.17 | 182.06 | dry | 182.336 | 191.927 | 186.335 | 182.35 | 190.237 | 186.382 | 195.872 |
| February | 183.58 | 193.97 | 181.15 | dry | 181.426 | 191.567 | 186.375 | 181.42 | 190.217 | 186.302 | 195.242 |
| March | 184.23 | 194.74 | 181.84 | dry | 182.216 | 191.977 | 186.385 | 182.3 | 190.337 | 186.372 | 196.222 |
| April | 183.98 | 194.73 | 181.72 | dry | 181.966 | 191.907 | 186.545 | 181.97 | 190.317 | 186.492 | 195.512 |
| May | 183.59 | 193.95 | 181.3 | dry | 181.596 | 191.697 | 186.675 | 181.6 | 190.247 | 186.502 | 195.292 |
| June | 183.76 | 193.72 | 181.39 | dry | 181.686 | 191.487 | 186.565 | 181.7 | 190.327 | 186.522 | 195.132 |
| July | 184.16 | 193.79 | 181.85 | dry | 182.196 | 191.427 | 186.515 | 182.16 | 190.257 | 186.492 | 195.032 |
| August | 183.52 | 193.43 | 181.21 | dry | 181.486 | 191.237 | 186.375 | 181.5 | 190.077 | 186.292 | 194.952 |
| September | 184.1 | 194.78 | 181.82 | dry | 182.086 | 191.627 | 186.445 | 182.22 | 190.327 | 186.472 | 195.472 |
| October | 184.3 | 195.1 | 182.11 | dry | 182.366 | 191.847 | 186.545 | 182.38 | 190.247 | 186.502 | 195.742 |
| November | 184.03 | 194.82 | 181.61 | dry | 181.906 | 191.847 | 186.685 | 181.95 | 190.477 | 186.612 | 195.582 |
| December | 184.17 | 195.04 | 181.89 | dry | 182.166 | 191.987 | 186.535 | 182.23 | 190.327 | 186.542 | 195.742 |

Appendix K.3

2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility

| Well Ref. Elev | P5-IR 199.048 | P5-IIR 199.068 | P5-IIIR 198.999 | P5-IVRR 198.908 | P6-IR 202.971 | P7-IR 203.76 | P7-II 202.31 | P7-III 202.32 | P7-IV 202.33 | P7-V 200.392 |
|-------------------|------------------|-------------------|--------------------|--------------------|-------------------------------|-----------------|-----------------|------------------|-----------------|---------------------|
| January | 184.268 | 186.968 | 192.399 | 194.998 | 193.191 | 193.54 | 185.03 | 192.42 | 193 | pvc piping detached |
| February | 183.388 | 186.498 | 192.009 | 192.858 | 192.711 | 184.45 | 184.76 | 191.88 | 191.98 | pvc piping detached |
| March | 184.108 | 186.958 | 192.349 | 194.928 | 193.111 | 184.48 | 184.89 | 192.21 | 192.84 | pvc piping detached |
| April | 183.778 | 186.858 | 192.309 | 193.078 | no access due to construction | 184.13 | 185 | 192.18 | 192.47 | pvc piping detached |
| May | 183.378 | 186.568 | 192.089 | 192.808 | 192.751 | 183.63 | 184.87 | 191.93 | 192.02 | - |
| June | 183.588 | 186.568 | 192.119 | 192.758 | no access due to construction | 183.86 | 184.95 | 191.92 | 191.98 | pvc piping detached |
| July | 183.978 | 186.738 | 192.149 | 192.908 | 192.671 | 184.24 | 185.06 | 191.8 | 192.08 | pvc piping detached |
| August | 183.338 | 186.518 | 192.069 | 192.658 | 192.581 | 183.58 | 184.83 | 191.78 | 191.78 | pvc piping detached |
| September | 184.088 | 187.068 | 192.469 | 194.968 | 193.071 | 184.28 | 185.11 | 192.17 | 192.83 | pvc piping detached |
| October | 184.118 | 187.088 | 192.389 | 193.938 | 193.131 | 184.31 | 185.14 | 192.24 | 193.01 | pvc piping detached |
| November | 183.888 | 186.908 | 192.319 | 194.448 | 193.101 | 184.11 | 185.14 | 192.27 | 192.62 | pvc piping detached |
| December | 183.988 | 186.968 | 192.419 | 194.988 | 193.241 | 184.2 | 185.18 | 192.39 | 192.84 | pvc piping detached |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well Ref. Elev | P7-VIR 203.345 | P8-I 205.02 | P8-II 205.05 | P9-I 204.02 | P9-II 203.58 | P9-III 203.723 | P10-I 200.17 | P10-II 200.127 | P10-III 200.192 | P10-IV 200.165 | P10-V 200.177 |
|---------------------------|---------------------------|------------------------|-------------------------|------------------------|-------------------------|---------------------------|-------------------------|---------------------------|----------------------------|---------------------------|--------------------------|
| January | 197.945 | 187.35 | 196.32 | 192.97 | 196.35 | 193.953 | 182.41 | 186.377 | 192.802 | 193.595 | 196.387 |
| February | 196.015 | 187.15 | 196.11 | 192.75 | 195.39 | 193.053 | 181.43 | 186.307 | 192.622 | 192.955 | 195.207 |
| March | 197.405 | 186.83 | 196.48 | 192.76 | 196.14 | 193.733 | 182.43 | 186.377 | 192.692 | 193.475 | 196.927 |
| April | 196.885 | 187.21 | 196.33 | 193.03 | 195.63 | 193.453 | 181.97 | 186.497 | 192.822 | 193.255 | 195.807 |
| May | 196.185 | 187.02 | 196.11 | 192.95 | 195.45 | 193.033 | 181.73 | 186.487 | 192.662 | 193.005 | 195.207 |
| June | 195.895 | 187.34 | 195.95 | 192.75 | 195.48 | 193.003 | 181.7 | 186.527 | 192.772 | 192.995 | 195.147 |
| July | 195.975 | 187.52 | 195.93 | 192.79 | 195.58 | 193.143 | 182.05 | 186.487 | 192.792 | 193.065 | 195.177 |
| August | 195.525 | 186.79 | 195.78 | 192.62 | 195.32 | 192.843 | 181.51 | 186.307 | 192.442 | 192.845 | 194.847 |
| September | 197.225 | 187.17 | 196.08 | 193.02 | 195.75 | 193.743 | 182.1 | 186.387 | 192.742 | 193.355 | 195.717 |
| October | 197.675 | 187.31 | 196.3 | 193.05 | 195.83 | 193.893 | 182.37 | 186.517 | 192.782 | 193.575 | 196.027 |
| November | 197.665 | 186.7 | 196.59 | 193.13 | 195.62 | 193.663 | 181.99 | 186.607 | 192.992 | 193.355 | 195.567 |
| December | 197.845 | 186.93 | 196.69 | 193.04 | 195.84 | 193.843 | 182.24 | 186.527 | 192.752 | 193.445 | 195.927 |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well Ref. Elev | P11-I 201.37 | P11-II 201.55 | P11-III 201.656 | P12 202.57 | P13 201.3 | P14 197.57 | P15 198.014 | P16 197.5 | P17 197.894 | PD - |
|---------------------------|-------------------------|--------------------------|----------------------------|-----------------------|----------------------|-----------------------|------------------------|----------------------|------------------------|---|
| January | 182.82 | 185.81 | 192.726 | 189.81 | pvc piping detached | 190.22 | 190.924 | 192.89 | 191.004 | Off; No access construction and stripping |
| February | 181.91 | 185.68 | 192.496 | 189.35 | pvc piping detached | 189.87 | 190.524 | 192.55 | 189.764 | 13.010 mBTOR Off |
| March | 182.64 | 185.9 | 192.716 | 189.85 | pvc piping detached | 190.09 | 190.854 | 192.87 | 190.624 | Off; No access construction and stripping |
| April | 182.47 | 186.02 | 192.706 | 189.59 | pvc piping detached | 190.19 | 190.794 | 192.81 | 190.774 | 12.510 mBTOR Off |
| May | 182.11 | 185.93 | 192.566 | 189.41 | pvc piping detached | 190.17 | 190.544 | 192.6 | 191.504 | 13.020 mBTOR Off |
| June | 182.17 | 185.97 | 192.526 | 189.34 | pvc piping detached | 190.27 | 190.514 | 192.59 | 191.494 | 13.080 mBTOR Off |
| July | 182.87 | 185.95 | 192.306 | 189.4 | pvc piping detached | 190.07 | 190.514 | 192.45 | 191.574 | 13.000 mBTOR Off |
| August | 181.99 | 185.74 | 192.406 | 189.14 | pvc piping detached | 189.92 | 190.394 | 192.5 | 190.844 | 13.250 mBTOR Off |
| September | 182.59 | 185.89 | 192.426 | 189.57 | pvc piping detached | 190 | 190.574 | 192.78 | 191.144 | 12.250 mBTOR Off |
| October | 182.89 | 186.05 | 192.606 | 189.75 | pvc piping detached | 190.27 | 190.814 | 192.83 | 191.474 | 11.910 mBTOR Off |
| November | 182.41 | 186.12 | 192.726 | 189.67 | pvc piping detached | 190.22 | 190.724 | 192.89 | 191.804 | 12.370 mBTOR Off |
| December | 182.65 | 185.89 | 192.786 | 189.78 | pvc piping detached | 190.1 | 190.834 | 192.98 | 191.864 | 12.170 mBTOR Off |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well | ST1 | ST1-I | ST1-II | ST2 | ST2-I | ST2-II |
|------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Ref. Elev | 195.643 | 195.665 | 195.667 | 195.807 | 195.746 | 195.874 |
| January | 188.723 | 186.465 | 189.867 | 188.727 | 186.486 | 192.054 |
| February | 188.303 | 186.295 | 189.097 | 188.417 | 186.286 | 191.342 |
| March | 188.743 | 186.385 | 189.837 | 188.867 | 186.386 | 192.044 |
| April | 188.583 | 186.505 | 189.717 | 188.617 | 186.536 | 191.764 |
| May | 188.433 | 186.345 | 189.277 | 188.407 | 186.356 | 191.464 |
| June | 188.373 | 186.365 | 189.097 | 188.357 | 186.386 | 191.354 |
| July | 188.583 | 186.395 | 189.437 | 188.537 | 186.426 | 191.384 |
| August | 188.463 | 186.265 | 188.967 | 188.187 | 186.286 | 191.274 |
| September | 188.853 | 186.585 | 189.667 | 188.757 | 186.616 | 191.724 |
| October | 188.833 | 186.595 | 189.767 | 188.817 | 186.616 | 191.974 |
| November | 188.883 | 186.685 | 189.607 | 188.817 | 186.686 | 191.874 |
| December | 188.973 | 186.485 | 189.747 | 188.877 | 186.486 | 192.084 |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well Ref. Elev | P6-IR 202.971 | P7-IR 203.760 | P7-II 202.310 | P7-III 202.320 | P7-IV 202.330 | P7-V 200.392 | P7-VIR 203.345 | P8-I 205.020 |
|---------------------------|-------------------------------|--------------------------|--------------------------|---------------------------|--------------------------|-------------------------|---------------------------|-------------------------|
| January | 193.191 | 193.54 | 185.03 | 192.42 | 193 | pvc piping detached | 197.945 | 187.35 |
| February | 192.711 | 184.45 | 184.76 | 191.88 | 191.98 | pvc piping detached | 196.015 | 187.15 |
| March | 193.111 | 184.48 | 184.89 | 192.21 | 192.84 | pvc piping detached | 197.405 | 186.83 |
| April | no access due to construction | 184.13 | 185 | 192.18 | 192.47 | pvc piping detached | 196.885 | 187.21 |
| May | 192.751 | 183.63 | 184.87 | 191.93 | 192.02 | - | 196.185 | 187.02 |
| June | no access due to construction | 183.86 | 184.95 | 191.92 | 191.98 | pvc piping detached | 195.895 | 187.34 |
| July | 192.671 | 184.24 | 185.06 | 191.8 | 192.08 | pvc piping detached | 195.975 | 187.52 |
| August | 192.581 | 183.58 | 184.83 | 191.78 | 191.78 | pvc piping detached | 195.525 | 186.79 |
| September | 193.071 | 184.28 | 185.11 | 192.17 | 192.83 | pvc piping detached | 197.225 | 187.17 |
| October | 193.131 | 184.31 | 185.14 | 192.24 | 193.01 | pvc piping detached | 197.675 | 187.31 |
| November | 193.101 | 184.11 | 185.14 | 192.27 | 192.62 | pvc piping detached | 197.665 | 186.7 |
| December | 193.241 | 184.2 | 185.18 | 192.39 | 192.84 | pvc piping detached | 197.845 | 186.93 |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

| Well Ref. Elev | P8-II 205.050 | P9-I 204.020 | P9-II 203.580 | P9-III 203.723 | P10-I 200.170 | P10-II 200.127 | P10-III 200.192 | P10-IV 200.165 | P10-V 200.177 |
|---------------------------|--------------------------|-------------------------|--------------------------|---------------------------|--------------------------|---------------------------|----------------------------|---------------------------|--------------------------|
| January | 196.32 | 192.97 | 196.35 | 193.953 | 182.41 | 186.377 | 192.802 | 193.595 | 196.387 |
| February | 196.11 | 192.75 | 195.39 | 193.053 | 181.43 | 186.307 | 192.622 | 192.955 | 195.207 |
| March | 196.48 | 192.76 | 196.14 | 193.733 | 182.43 | 186.377 | 192.692 | 193.475 | 196.927 |
| April | 196.33 | 193.03 | 195.63 | 193.453 | 181.97 | 186.497 | 192.822 | 193.255 | 195.807 |
| May | 196.11 | 192.95 | 195.45 | 193.033 | 181.73 | 186.487 | 192.662 | 193.005 | 195.207 |
| June | 195.95 | 192.75 | 195.48 | 193.003 | 181.7 | 186.527 | 192.772 | 192.995 | 195.147 |
| July | 195.93 | 192.79 | 195.58 | 193.143 | 182.05 | 186.487 | 192.792 | 193.065 | 195.177 |
| August | 195.78 | 192.62 | 195.32 | 192.843 | 181.51 | 186.307 | 192.442 | 192.845 | 194.847 |
| September | 196.08 | 193.02 | 195.75 | 193.743 | 182.1 | 186.387 | 192.742 | 193.355 | 195.717 |
| October | 196.3 | 193.05 | 195.83 | 193.893 | 182.37 | 186.517 | 192.782 | 193.575 | 196.027 |
| November | 196.59 | 193.13 | 195.62 | 193.663 | 181.99 | 186.607 | 192.992 | 193.355 | 195.567 |
| December | 196.69 | 193.04 | 195.84 | 193.843 | 182.24 | 186.527 | 192.752 | 193.445 | 195.927 |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

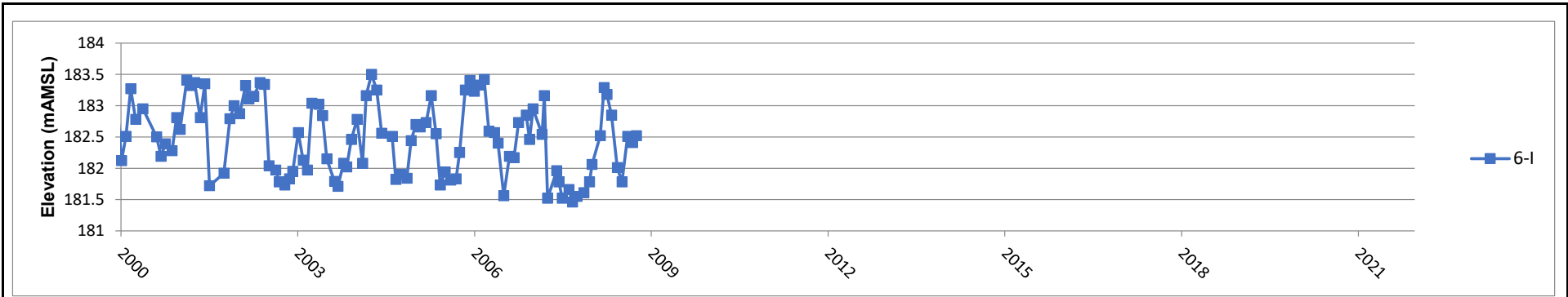
| Well Ref. Elev | P11-I 201.622 | P11-II 201.550 | P11-III 201.656 | P12 201.756 | P13 200.656 | P14 199.025 | P15 198.014 | P16 197.500 | P17 197.894 |
|---------------------------|--------------------------|---------------------------|----------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| January | 183.072 | 185.81 | 192.726 | 188.996 | pvc piping detached | 191.675 | 190.924 | 192.89 | 191.004 |
| February | 182.162 | 185.68 | 192.496 | 188.536 | pvc piping detached | 191.325 | 190.524 | 192.55 | 189.764 |
| March | 182.892 | 185.9 | 192.716 | 189.036 | pvc piping detached | 191.545 | 190.854 | 192.87 | 190.624 |
| April | 182.722 | 186.02 | 192.706 | 188.776 | pvc piping detached | 191.645 | 190.794 | 192.81 | 190.774 |
| May | 182.362 | 185.93 | 192.566 | 188.596 | pvc piping detached | 191.625 | 190.544 | 192.6 | 191.504 |
| June | 182.422 | 185.97 | 192.526 | 188.526 | pvc piping detached | 191.725 | 190.514 | 192.59 | 191.494 |
| July | 183.122 | 185.95 | 192.306 | 188.586 | pvc piping detached | 191.525 | 190.514 | 192.45 | 191.574 |
| August | 182.242 | 185.74 | 192.406 | 188.326 | pvc piping detached | 191.375 | 190.394 | 192.5 | 190.844 |
| September | 182.842 | 185.89 | 192.426 | 188.756 | pvc piping detached | 191.455 | 190.574 | 192.78 | 191.144 |
| October | 183.142 | 186.05 | 192.606 | 188.936 | pvc piping detached | 191.725 | 190.814 | 192.83 | 191.474 |
| November | 182.662 | 186.12 | 192.726 | 188.856 | pvc piping detached | 191.675 | 190.724 | 192.89 | 191.804 |
| December | 182.902 | 185.89 | 192.786 | 188.966 | pvc piping detached | 191.555 | 190.834 | 192.98 | 191.864 |

**2021 Groundwater Level Elevations
Terrapure Environmental
Stoney Creek Regional Facility**

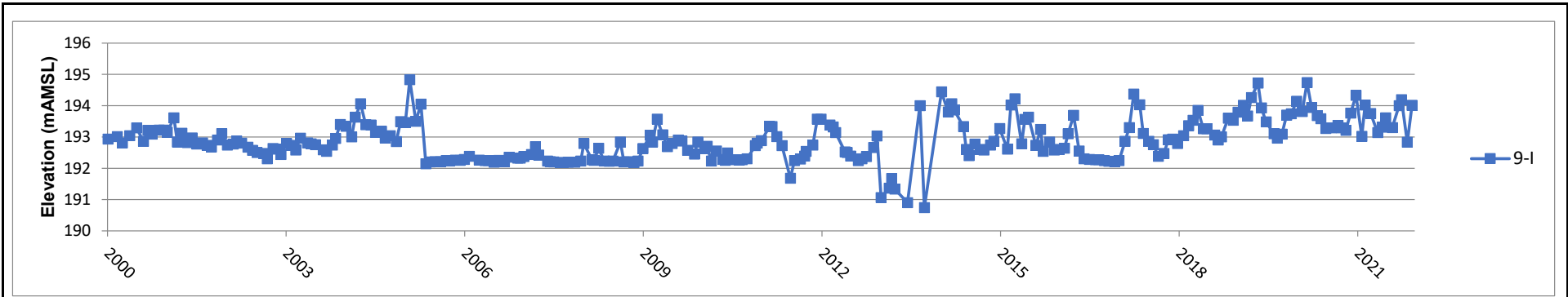
| Well Ref. Elev | PD - | ST1 195.643 | ST1-I 195.665 | ST1-II 195.667 | ST2 195.807 | ST2-I 195.746 | ST2-II 195.874 |
|---------------------------|---|------------------------|--------------------------|---------------------------|------------------------|--------------------------|---------------------------|
| January | Off; No access construction and stripping | 188.723 | 186.465 | 189.867 | 188.727 | 186.486 | 192.054 |
| February | 13.010 mBTOR Off | 188.303 | 186.295 | 189.097 | 188.417 | 186.286 | 191.342 |
| March | Off; No access construction and stripping | 188.743 | 186.385 | 189.837 | 188.867 | 186.386 | 192.044 |
| April | 12.510 mBTOR Off | 188.583 | 186.505 | 189.717 | 188.617 | 186.536 | 191.764 |
| May | 13.020 mBTOR Off | 188.433 | 186.345 | 189.277 | 188.407 | 186.356 | 191.464 |
| June | 13.080 mBTOR Off | 188.373 | 186.365 | 189.097 | 188.357 | 186.386 | 191.354 |
| July | 13.000 mBTOR Off | 188.583 | 186.395 | 189.437 | 188.537 | 186.426 | 191.384 |
| August | 13.250 mBTOR Off | 188.463 | 186.265 | 188.967 | 188.187 | 186.286 | 191.274 |
| September | 12.250 mBTOR Off | 188.853 | 186.585 | 189.667 | 188.757 | 186.616 | 191.724 |
| October | 11.910 mBTOR Off | 188.833 | 186.595 | 189.767 | 188.817 | 186.616 | 191.974 |
| November | 12.370 mBTOR Off | 188.883 | 186.685 | 189.607 | 188.817 | 186.686 | 191.874 |
| December | 12.170 mBTOR Off | 188.973 | 186.485 | 189.747 | 188.877 | 186.486 | 192.084 |

Appendix K.4

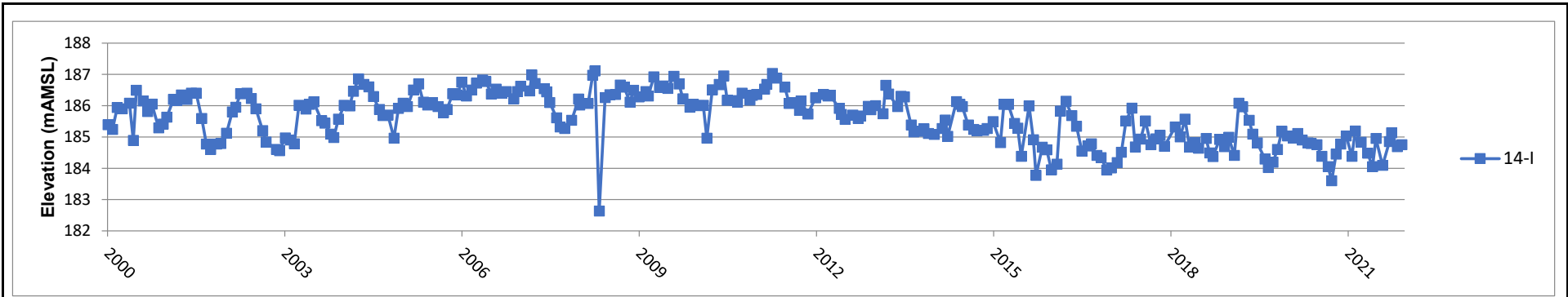
Hydrographs



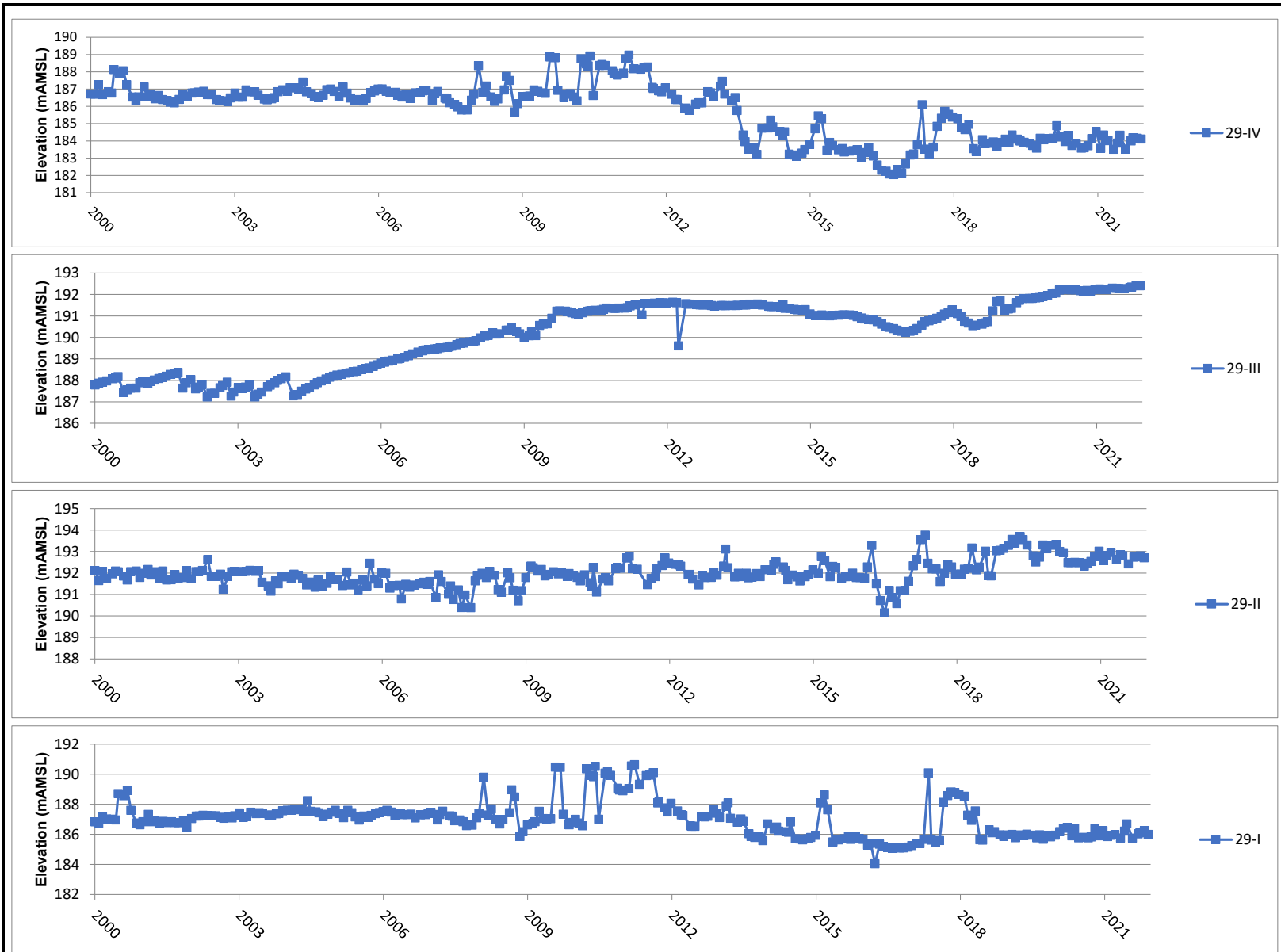
Appendix K.4 - Figure 1
6-I - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



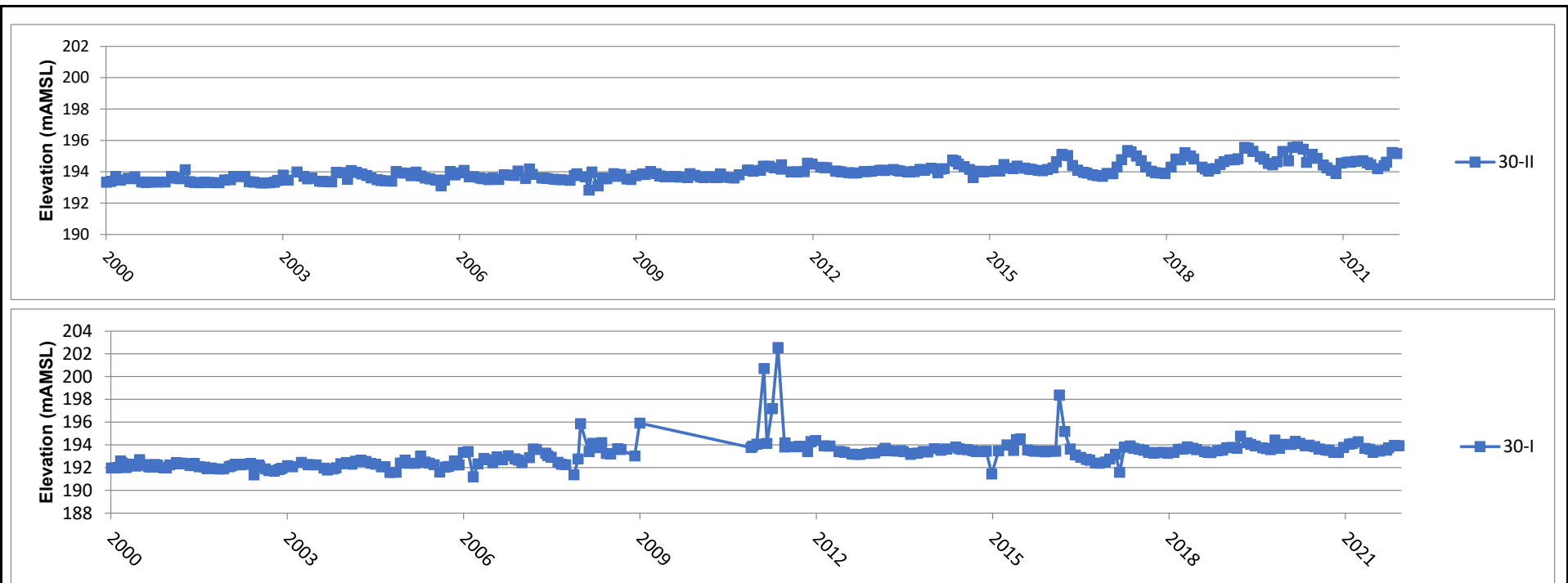
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9-I - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



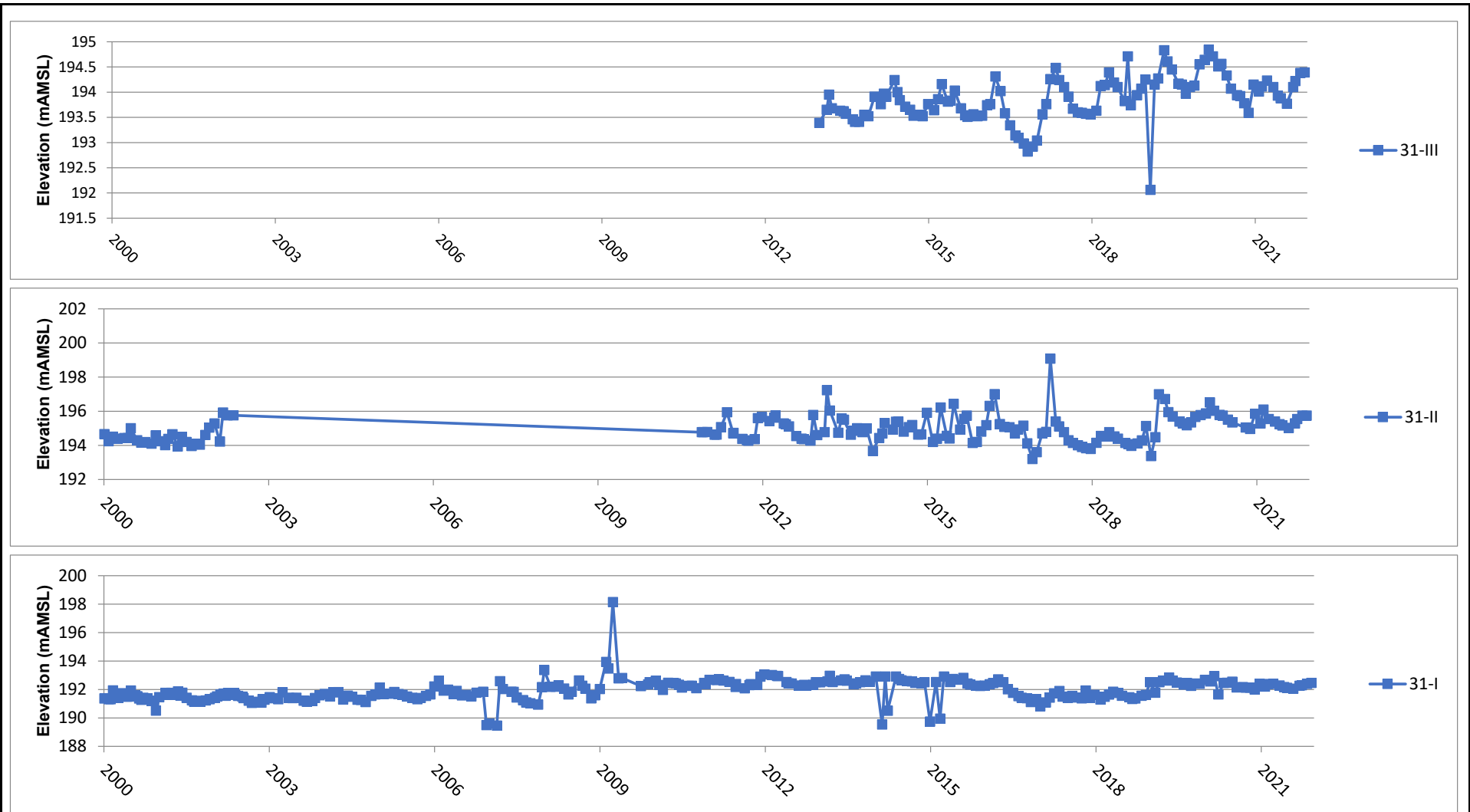
Appendix K.4 - Figure 4
14-I - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



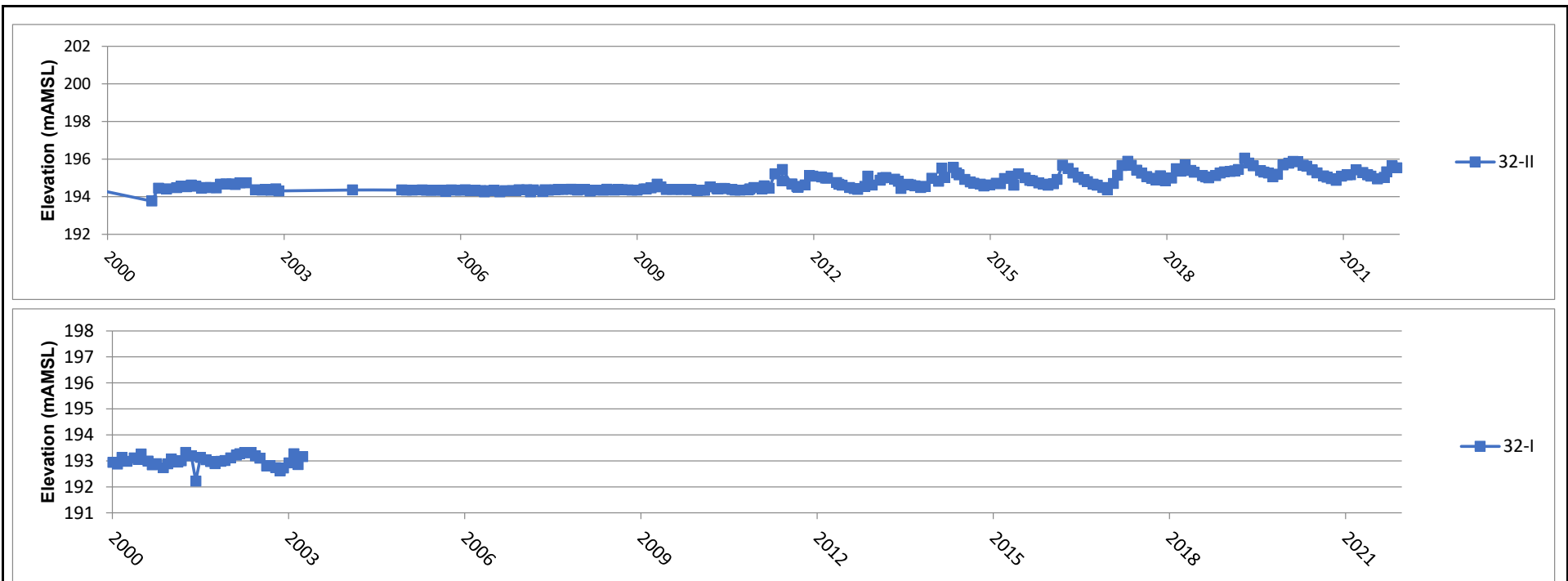
Appendix K.4 - Figure 5
29 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



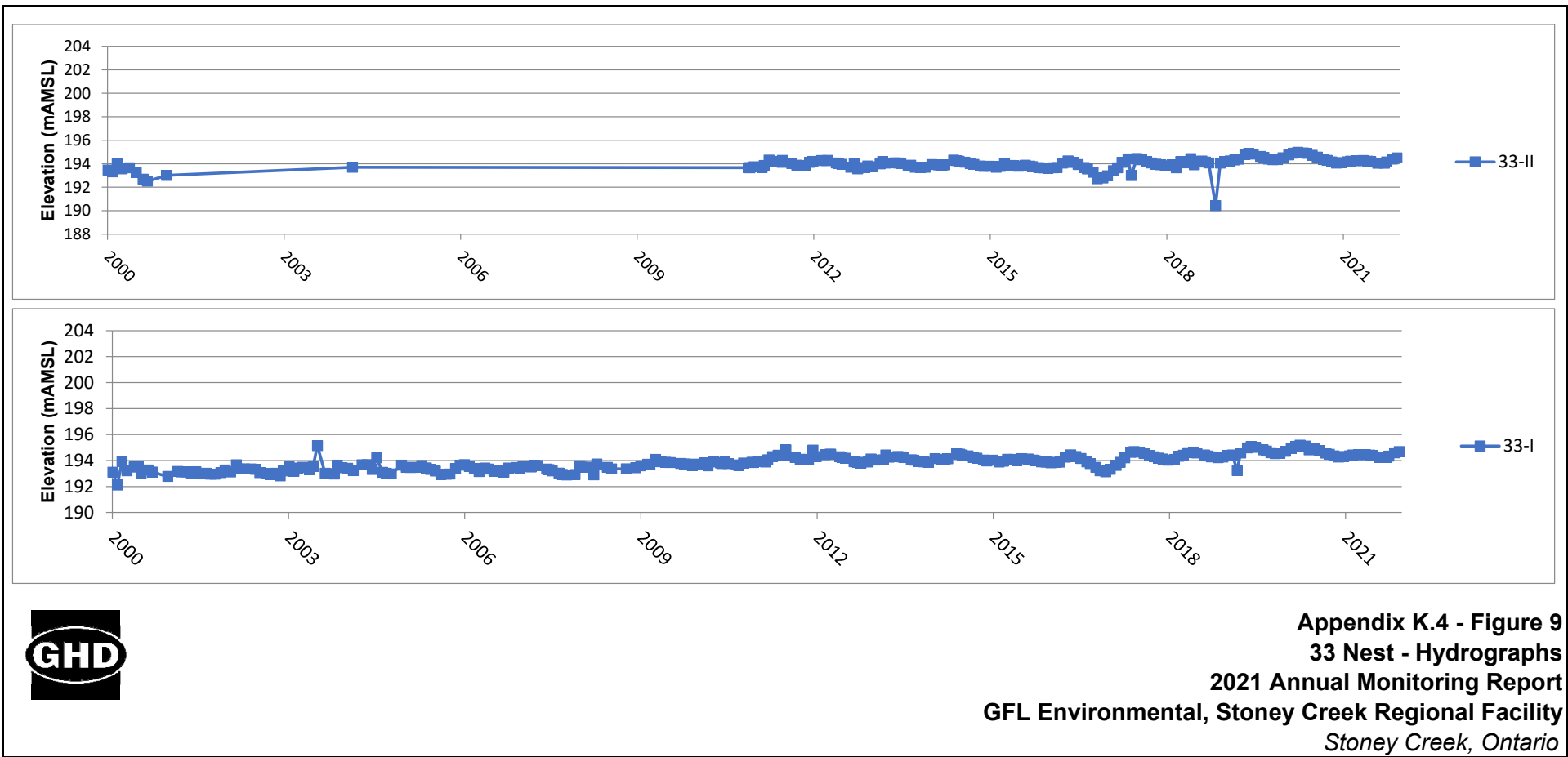
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30 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



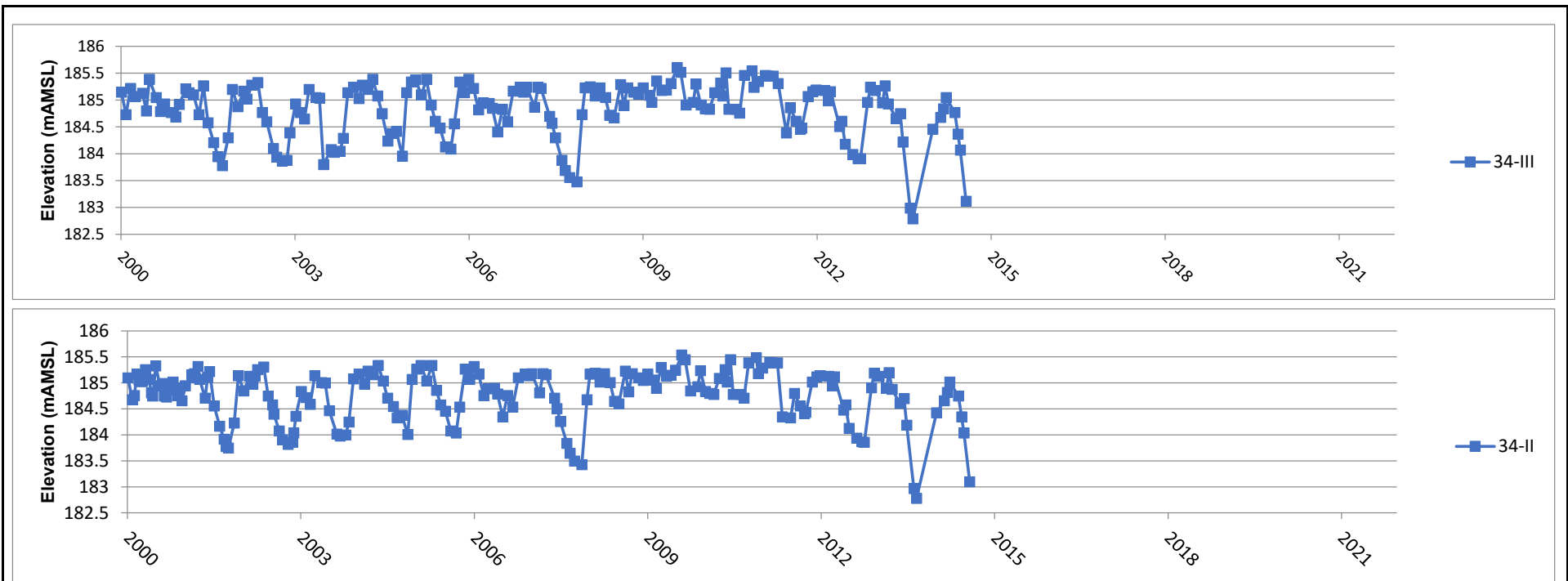
Appendix K.4 - Figure 7
 31 Nest - Hydrographs
 2021 Annual Monitoring Report
 GFL Environmental, Stoney Creek Regional Facility
 Stoney Creek, Ontario



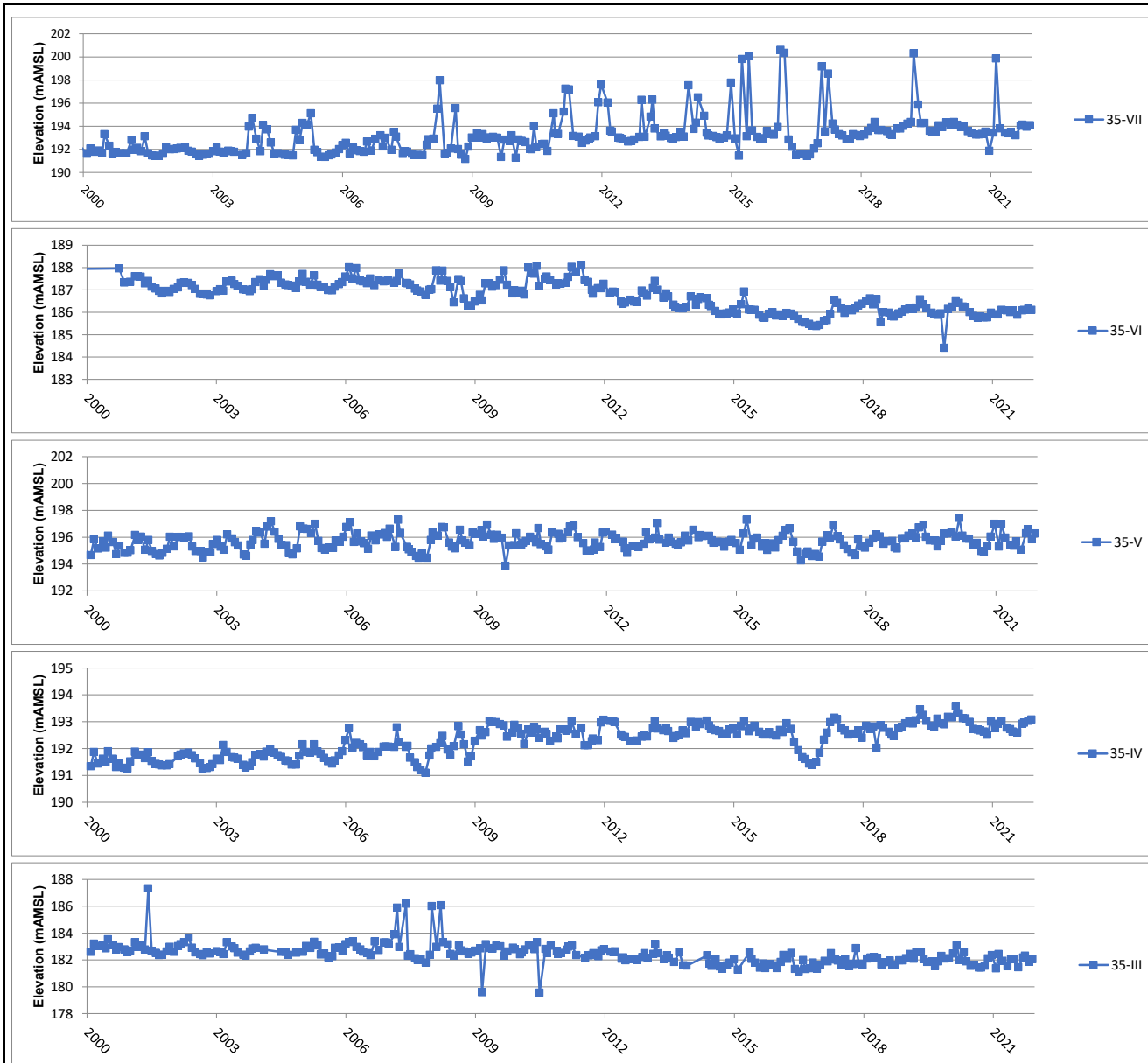
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32 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



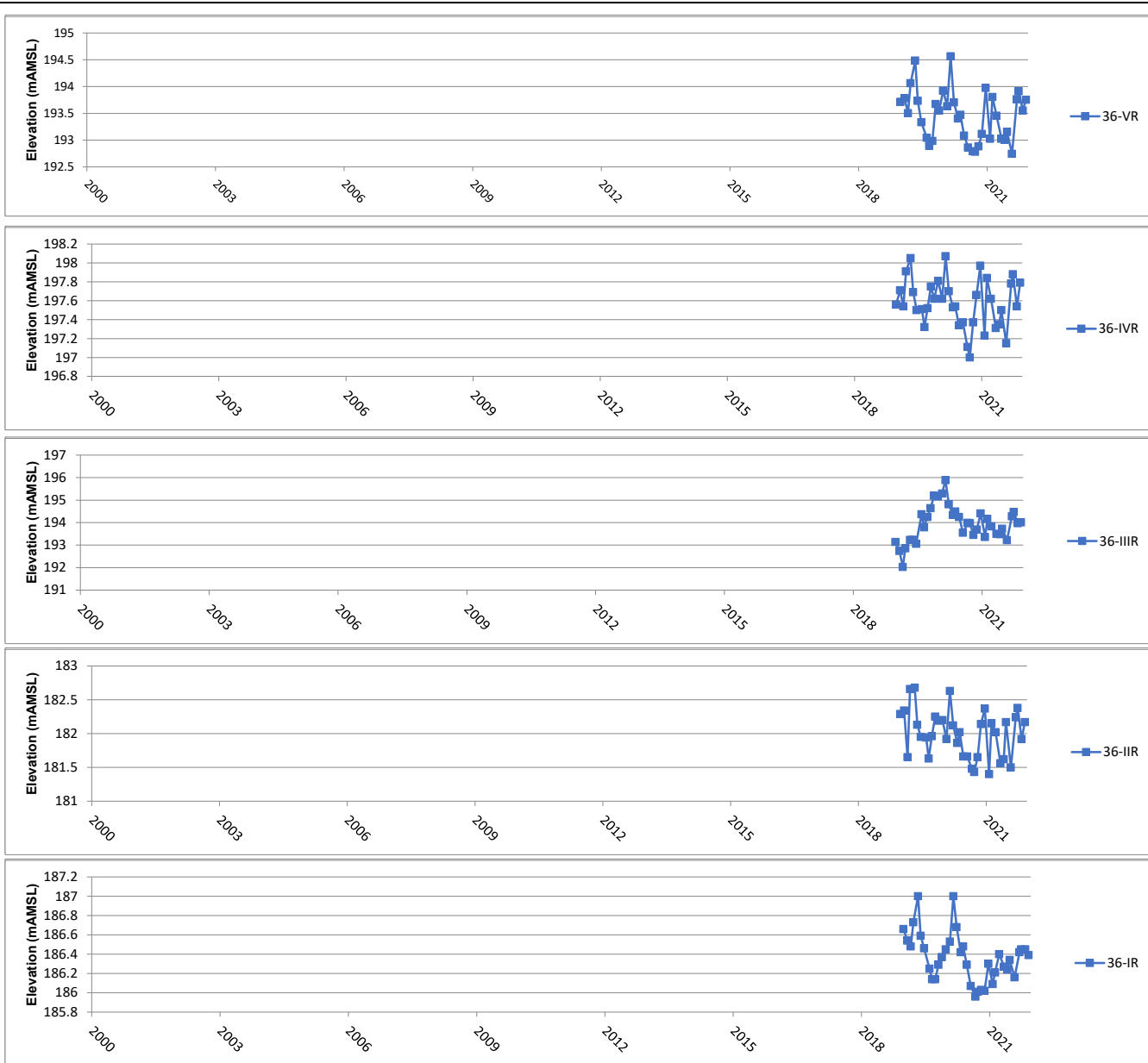
Appendix K.4 - Figure 9
33 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



Appendix K.4 - Figure 10
 34 Nest - Hydrographs
 2021 Annual Monitoring Report
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 Stoney Creek, Ontario

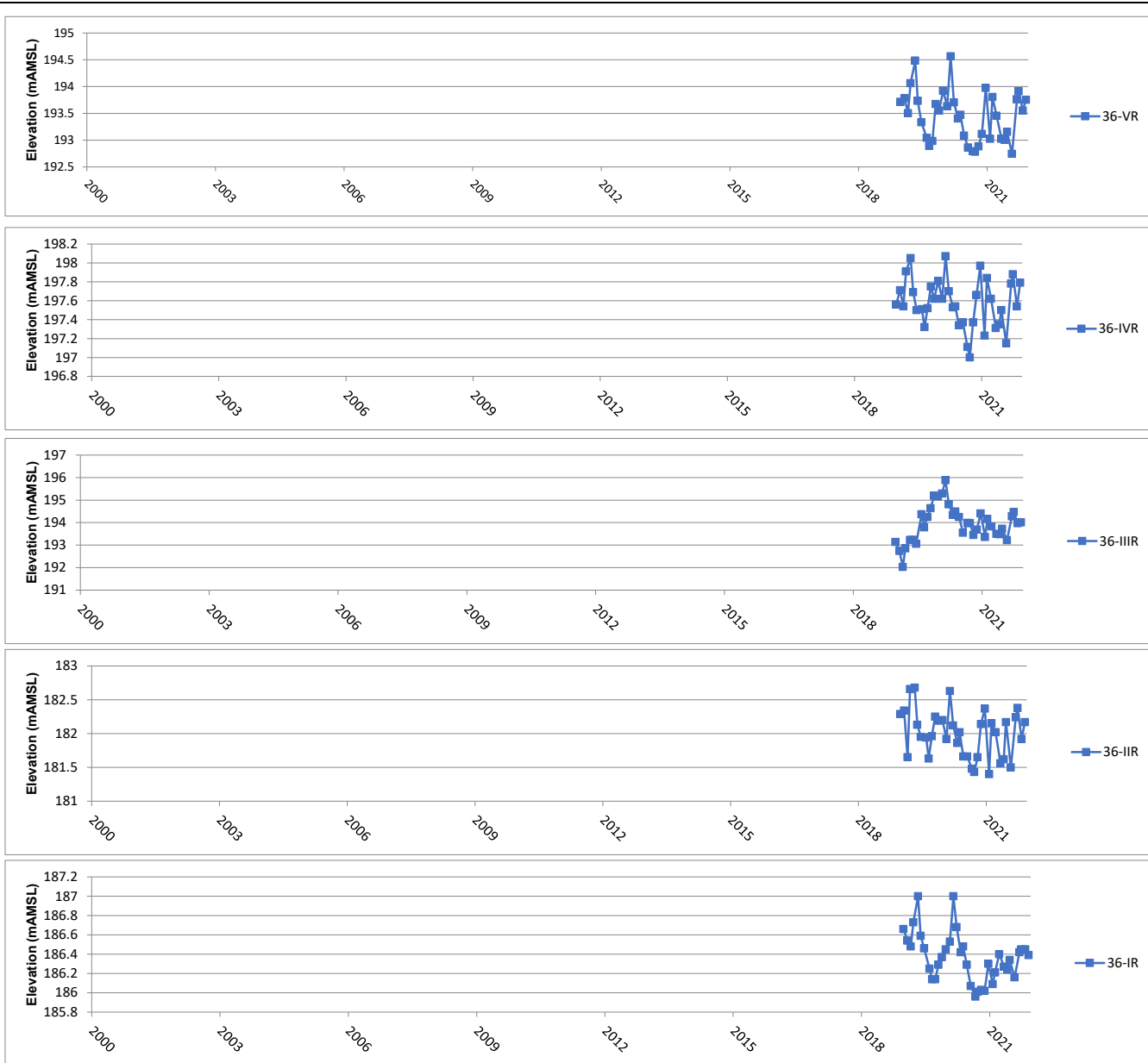


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 35 Nest - Hydrographs
 2021 Annual Monitoring Report
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 Stoney Creek, Ontario



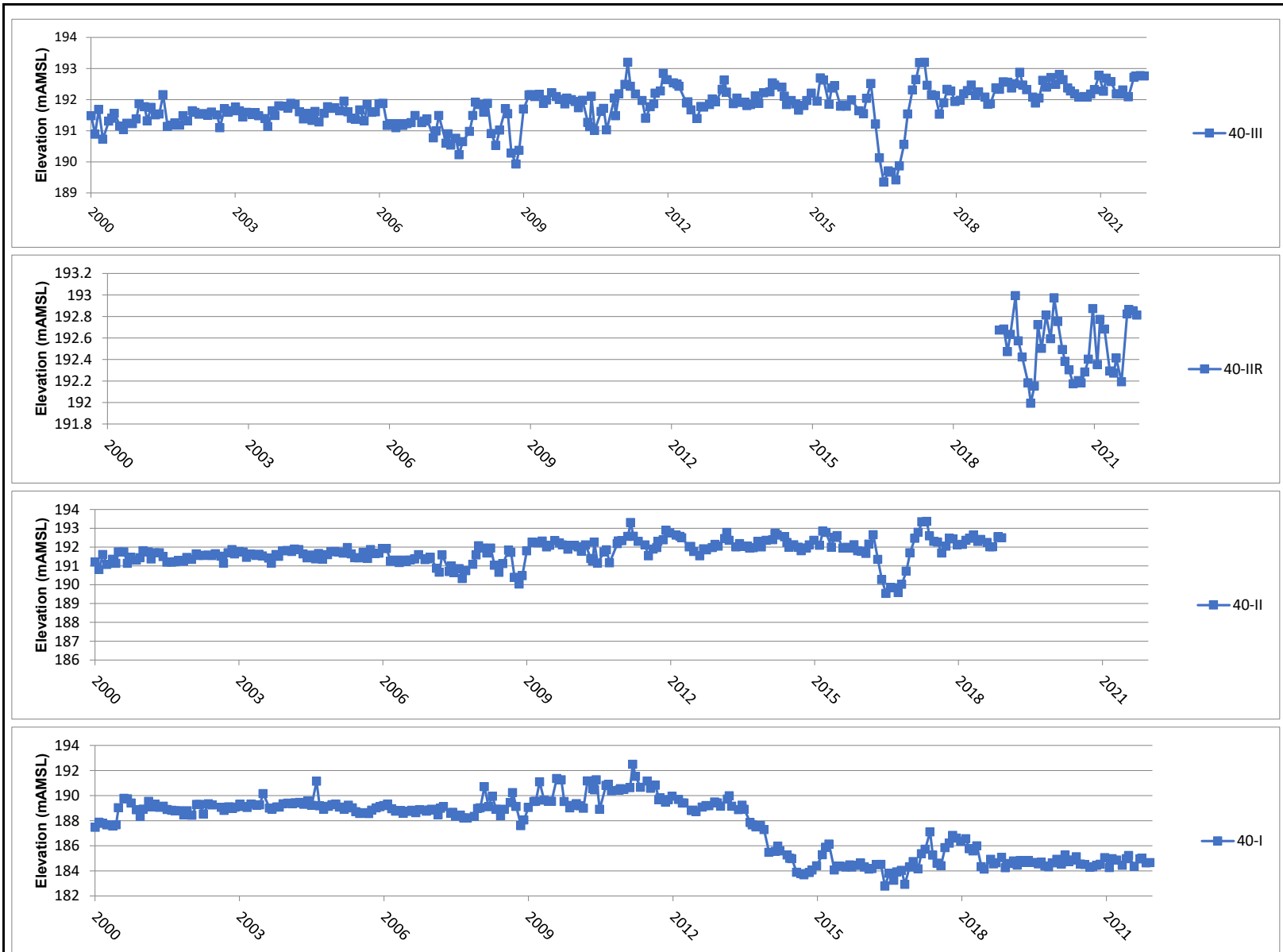
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36 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



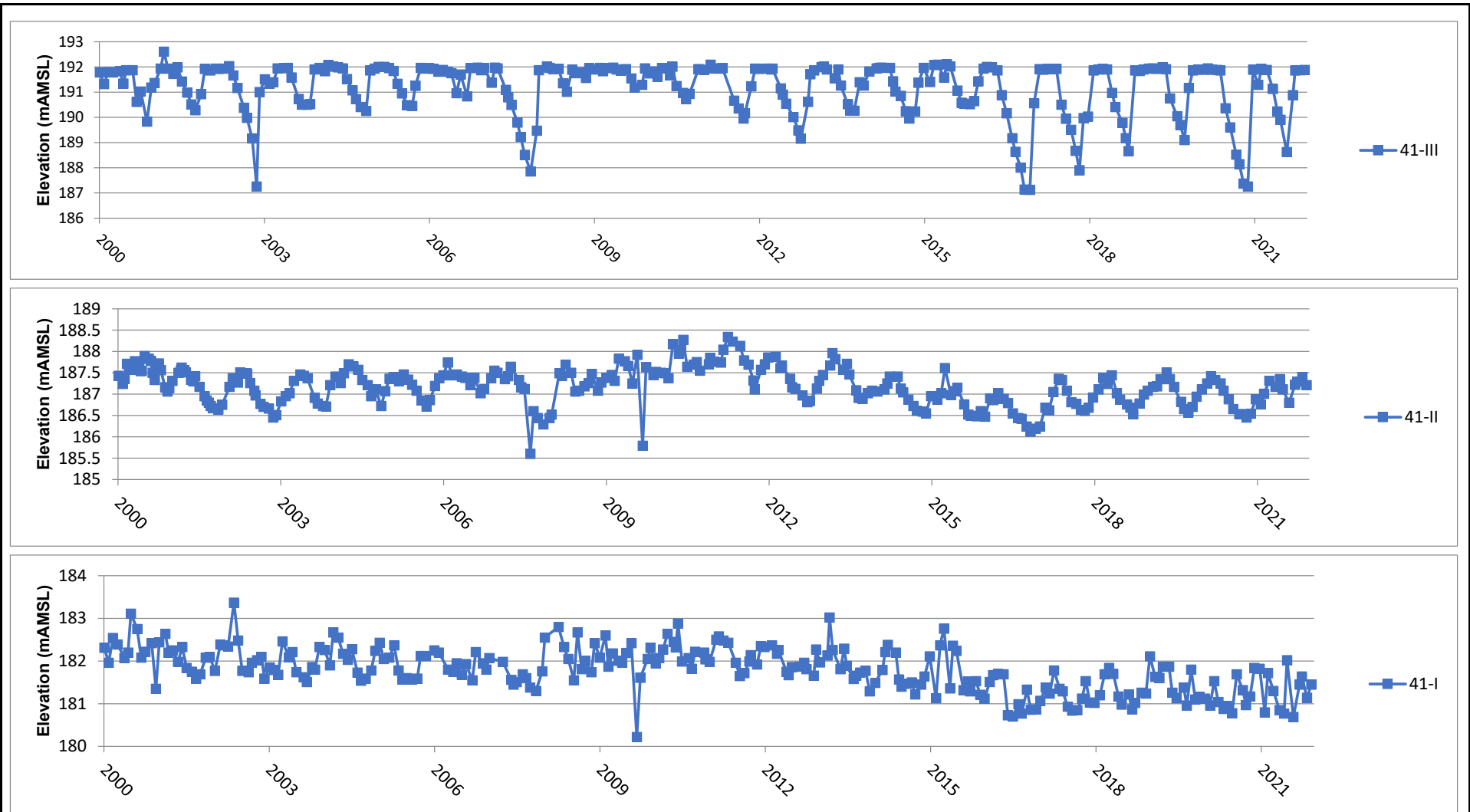


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36R Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario

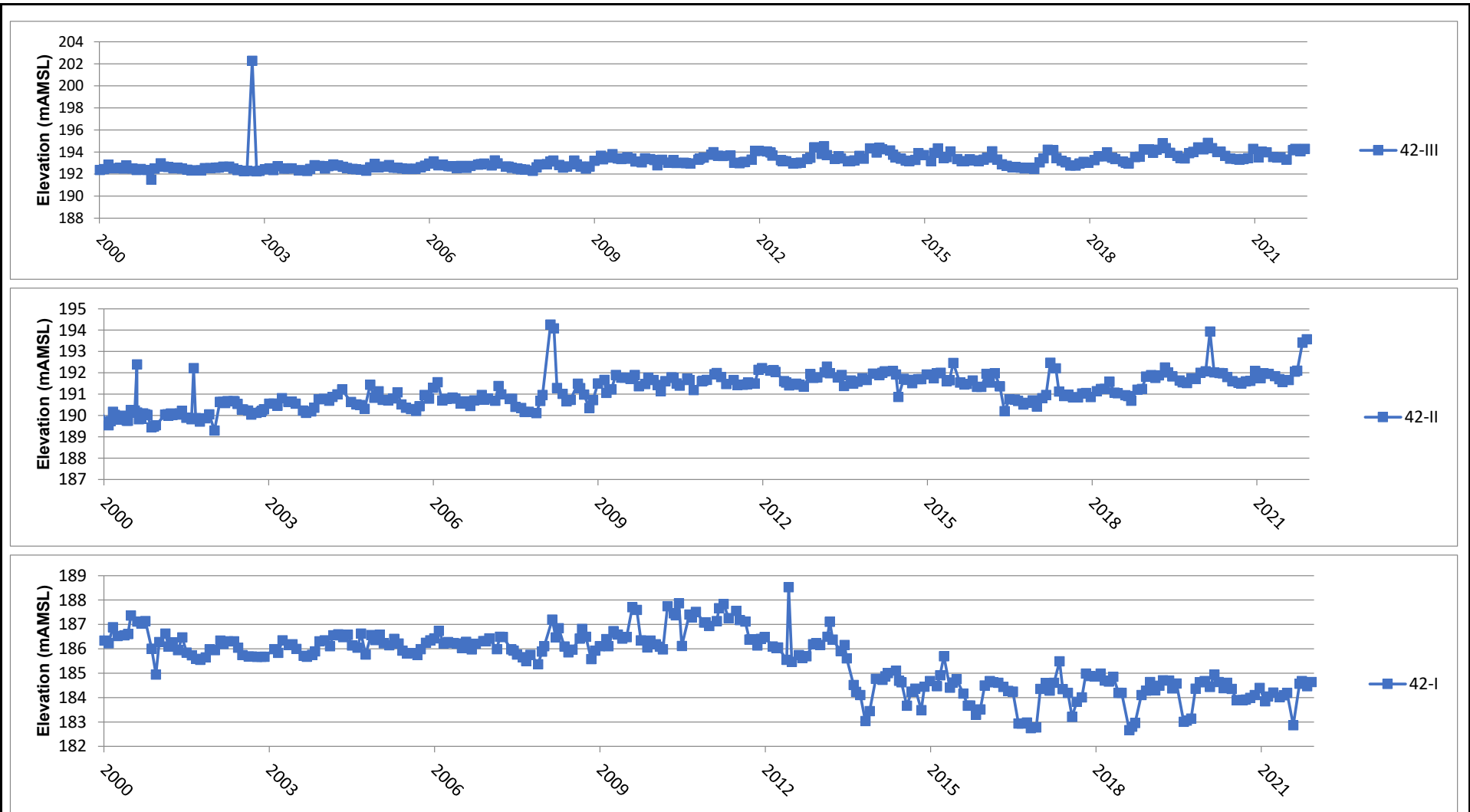




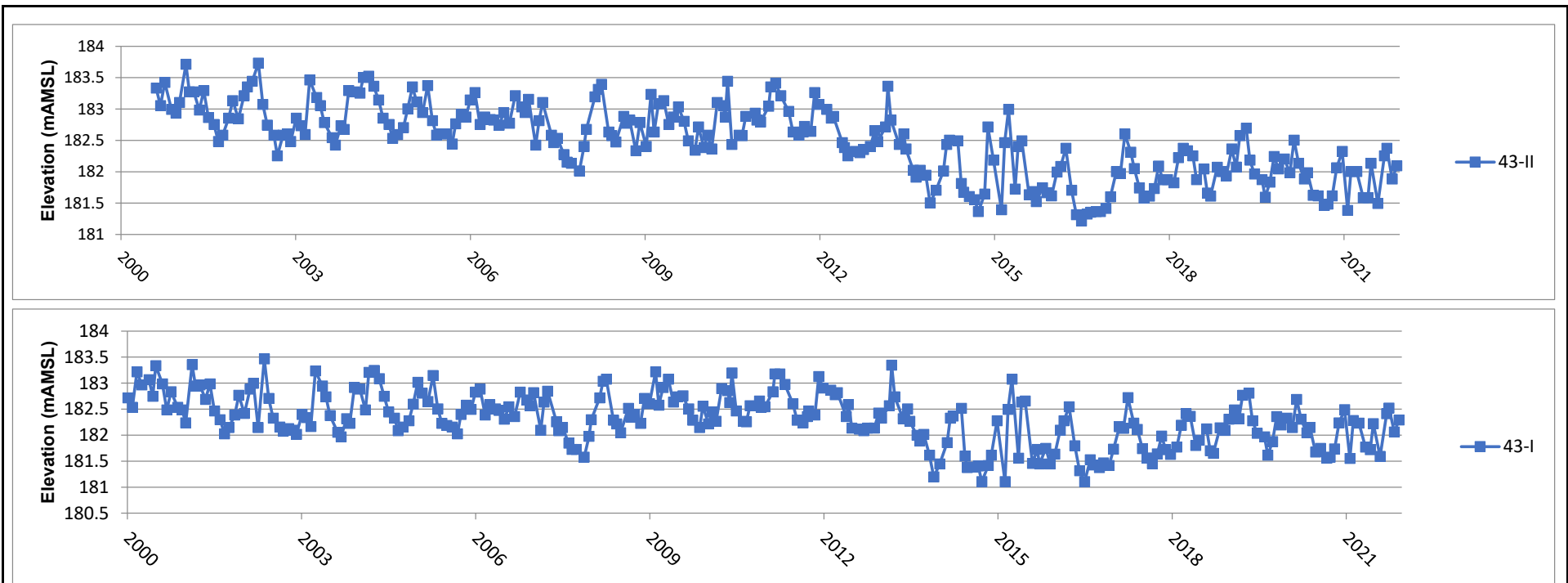
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 40 Nest - Hydrographs
 2021 Annual Monitoring Report
 GFL Environmental, Stoney Creek Regional Facility
 Stoney Creek, Ontario



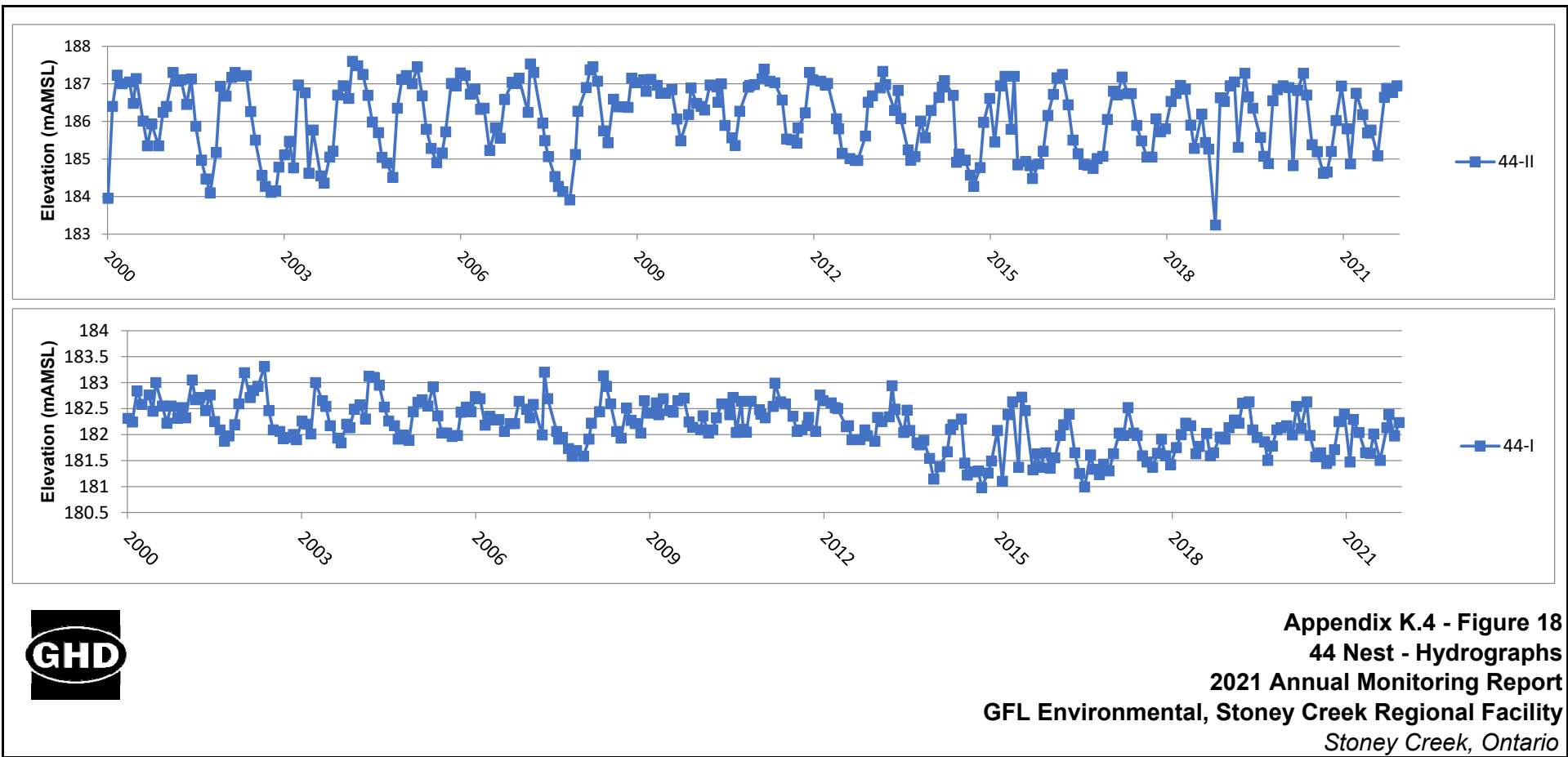
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41 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



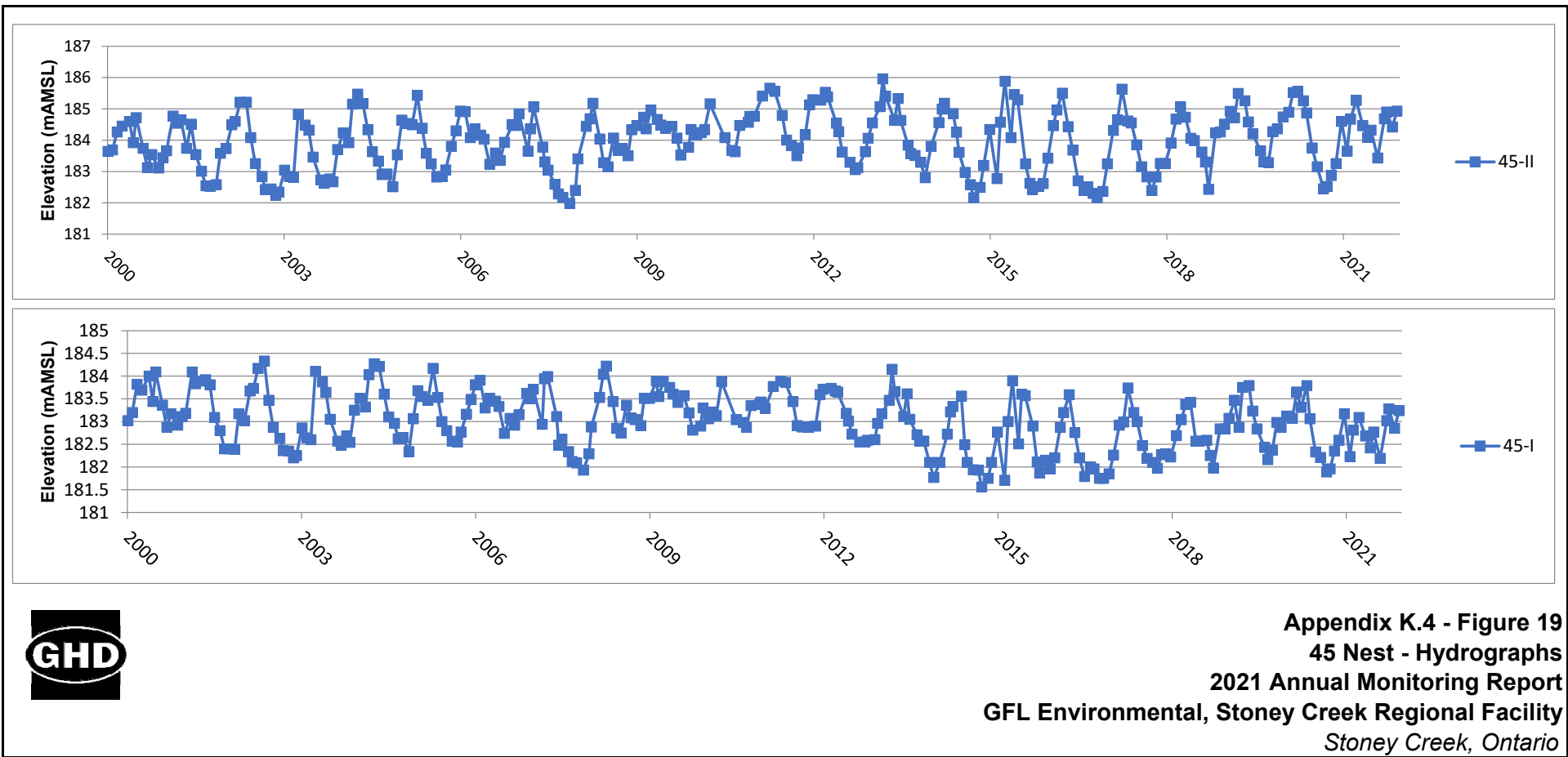
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42 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



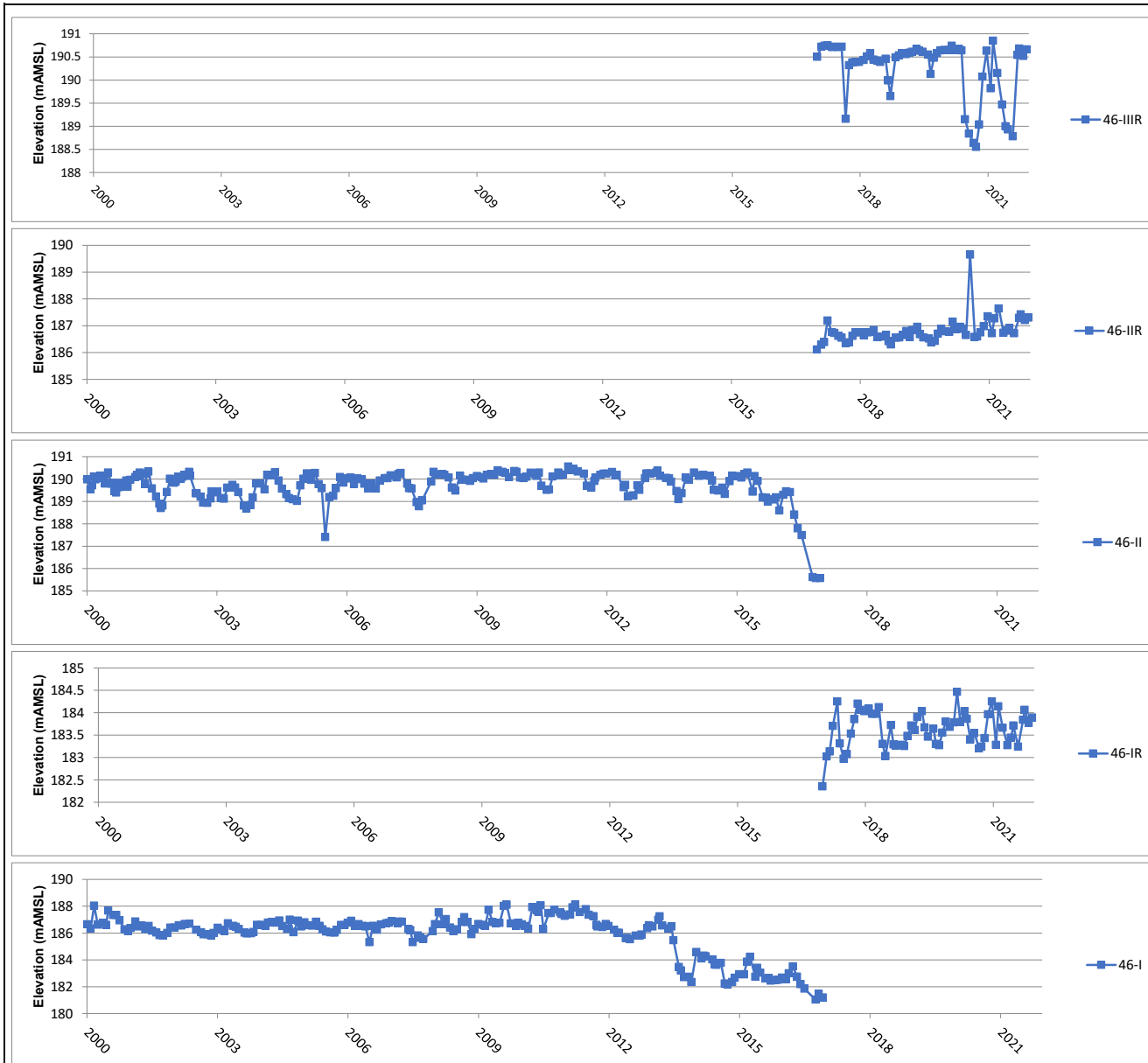
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43 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



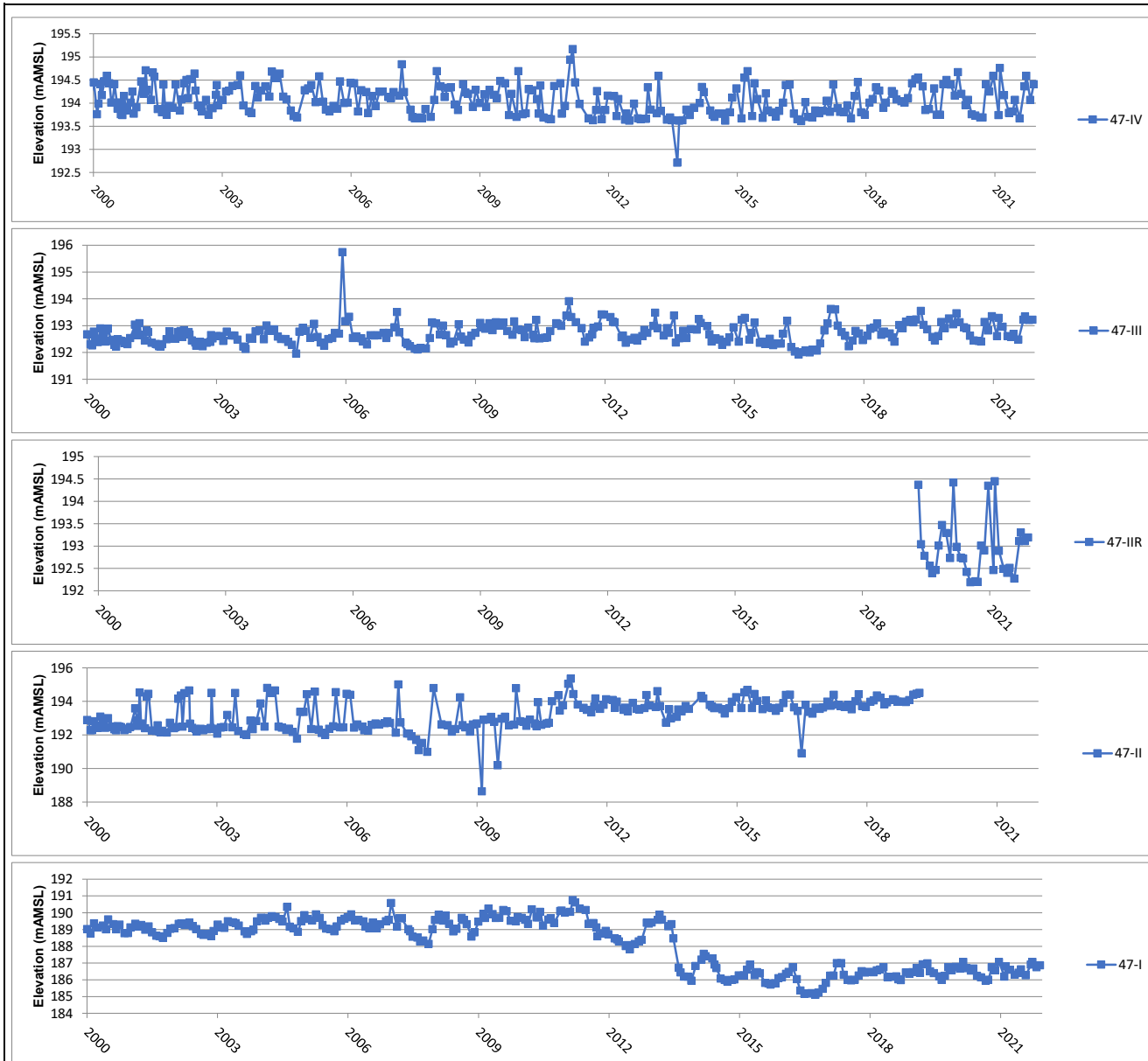
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44 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



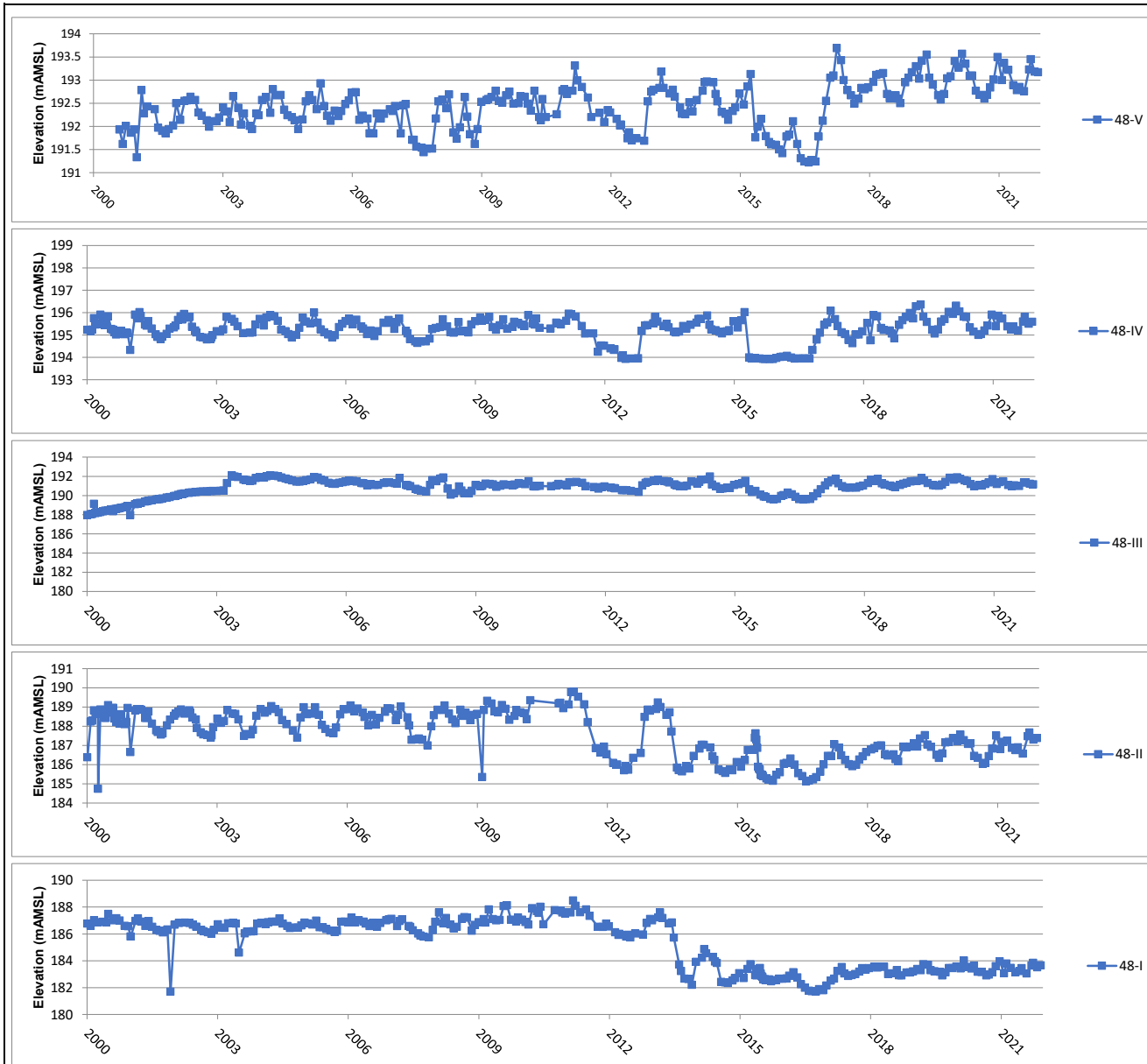
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45 Nest - Hydrographs
2021 Annual Monitoring Report
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Stoney Creek, Ontario



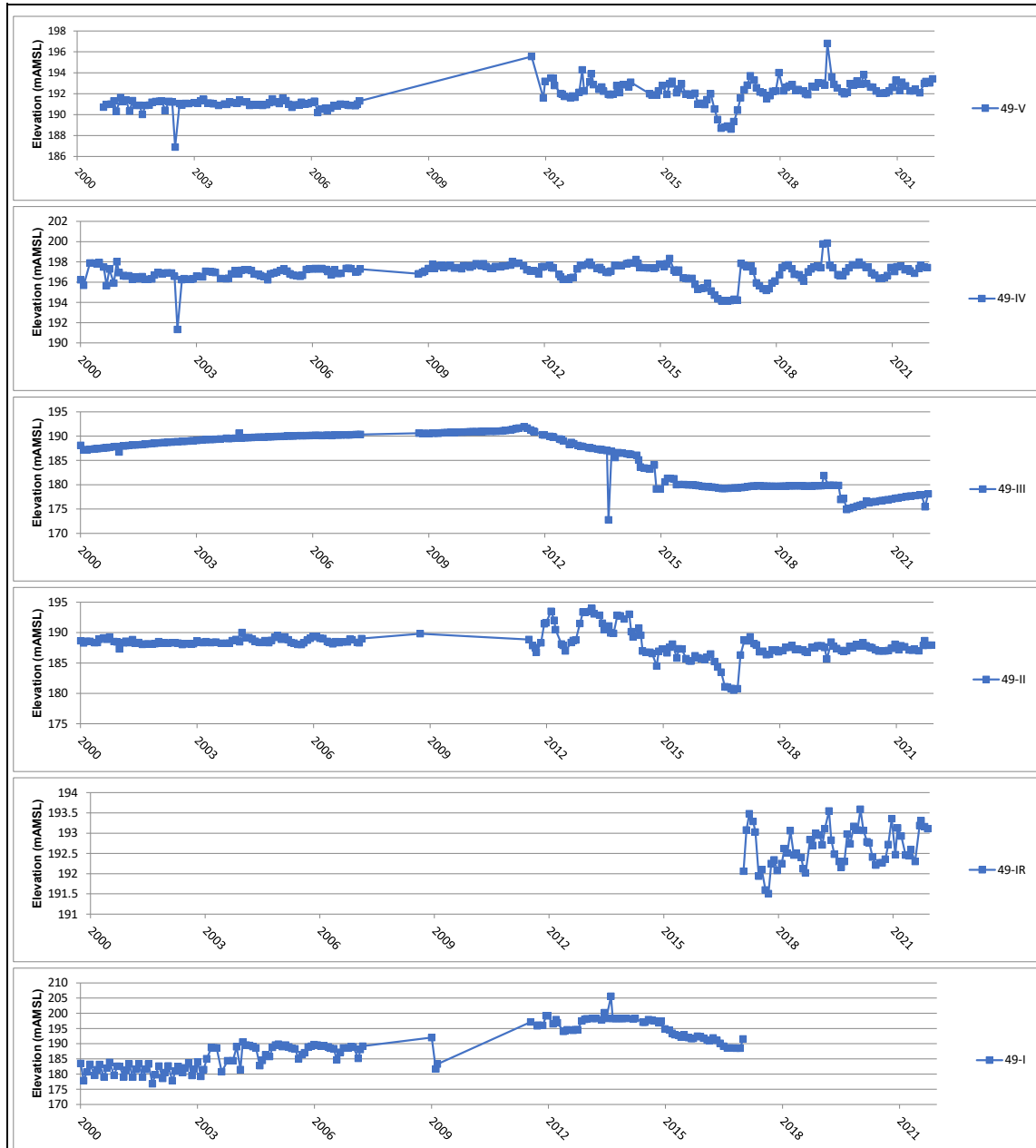
Appendix K.4 - Figure 20
 46 Nest - Hydrographs
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Appendix K.4 - Figure 21
 47 Nest - Hydrographs
 2021 Annual Monitoring Report
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 Stoney Creek, Ontario



Appendix K.4 - Figure 22
 48 Nest - Hydrographs
 2021 Annual Monitoring Report
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 Stoney Creek, Ontario



Appendix K.4 - Figure 23

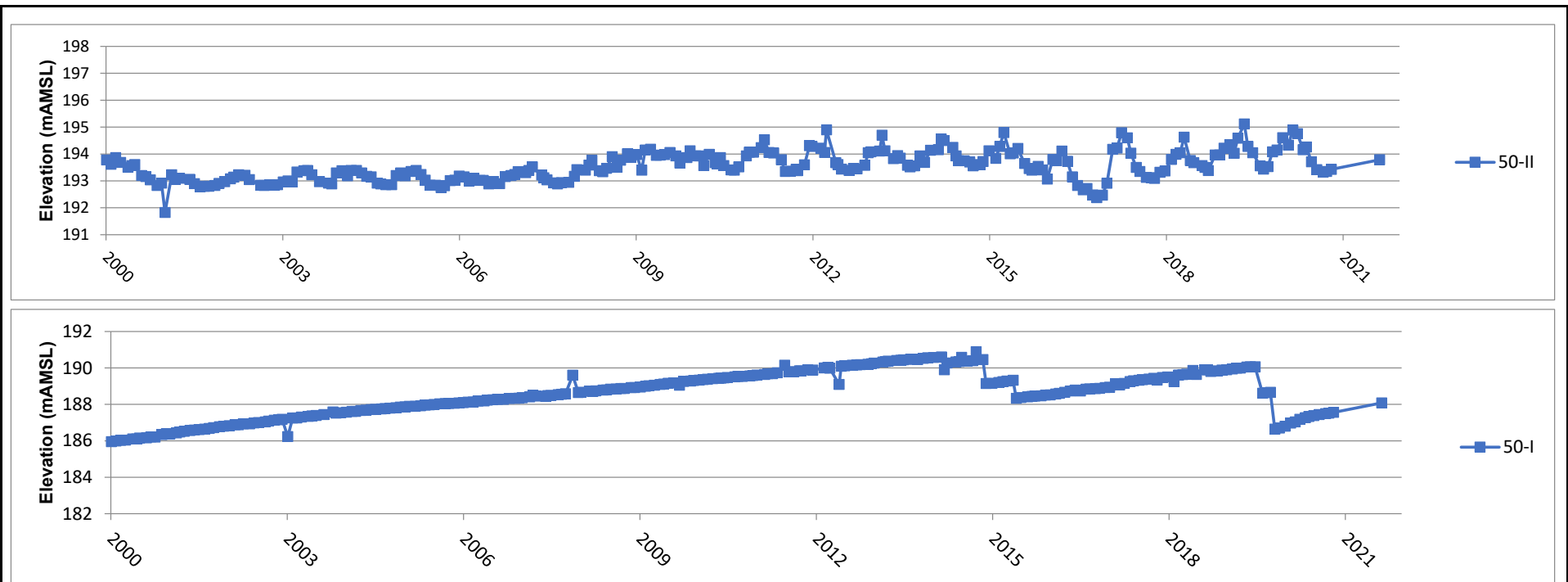
49 Nest - Hydrographs

2021 Annual Monitoring Report

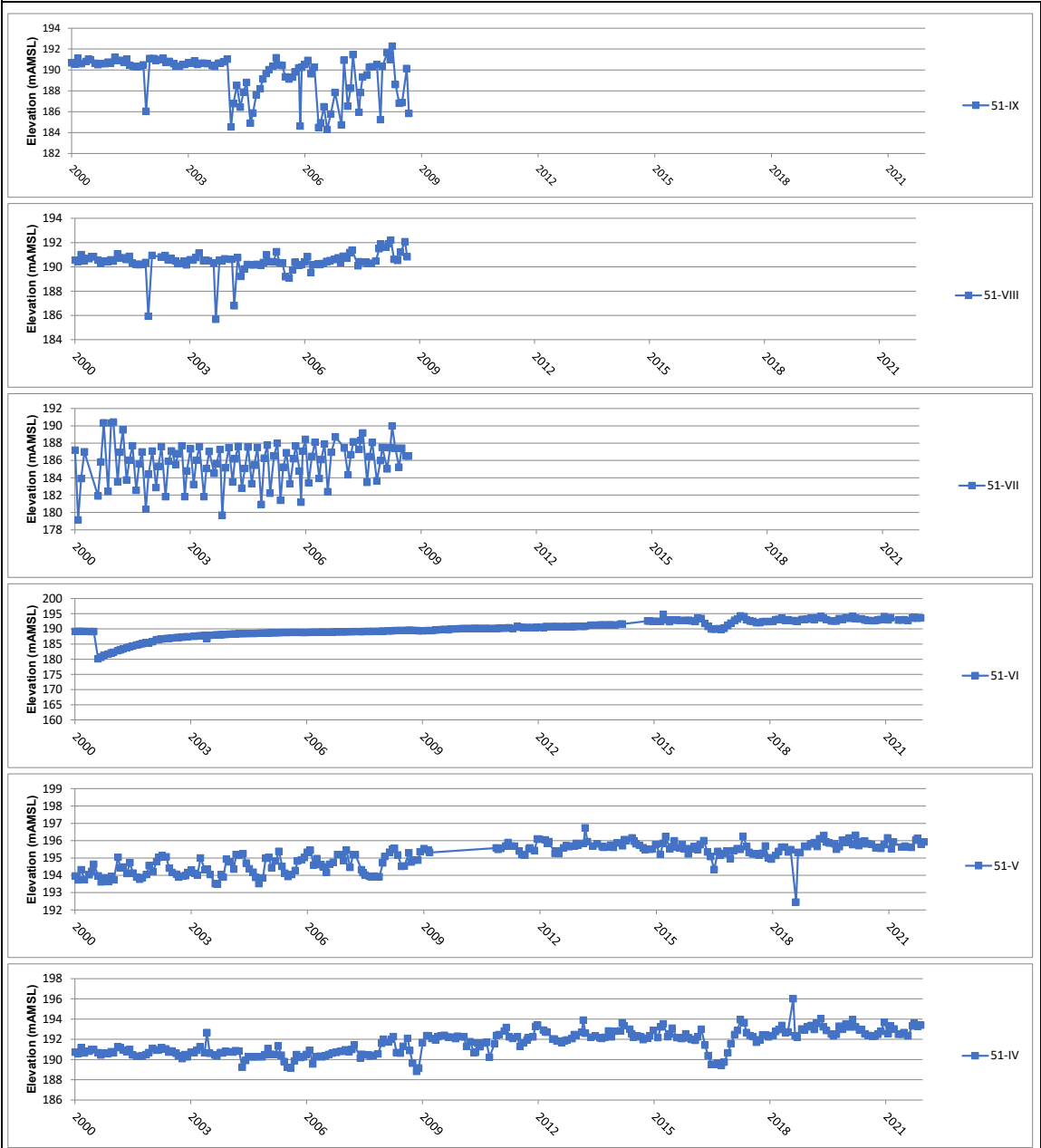
GFL Environmental, Stoney Creek Regional Facility

Stoney Creek, Ontario

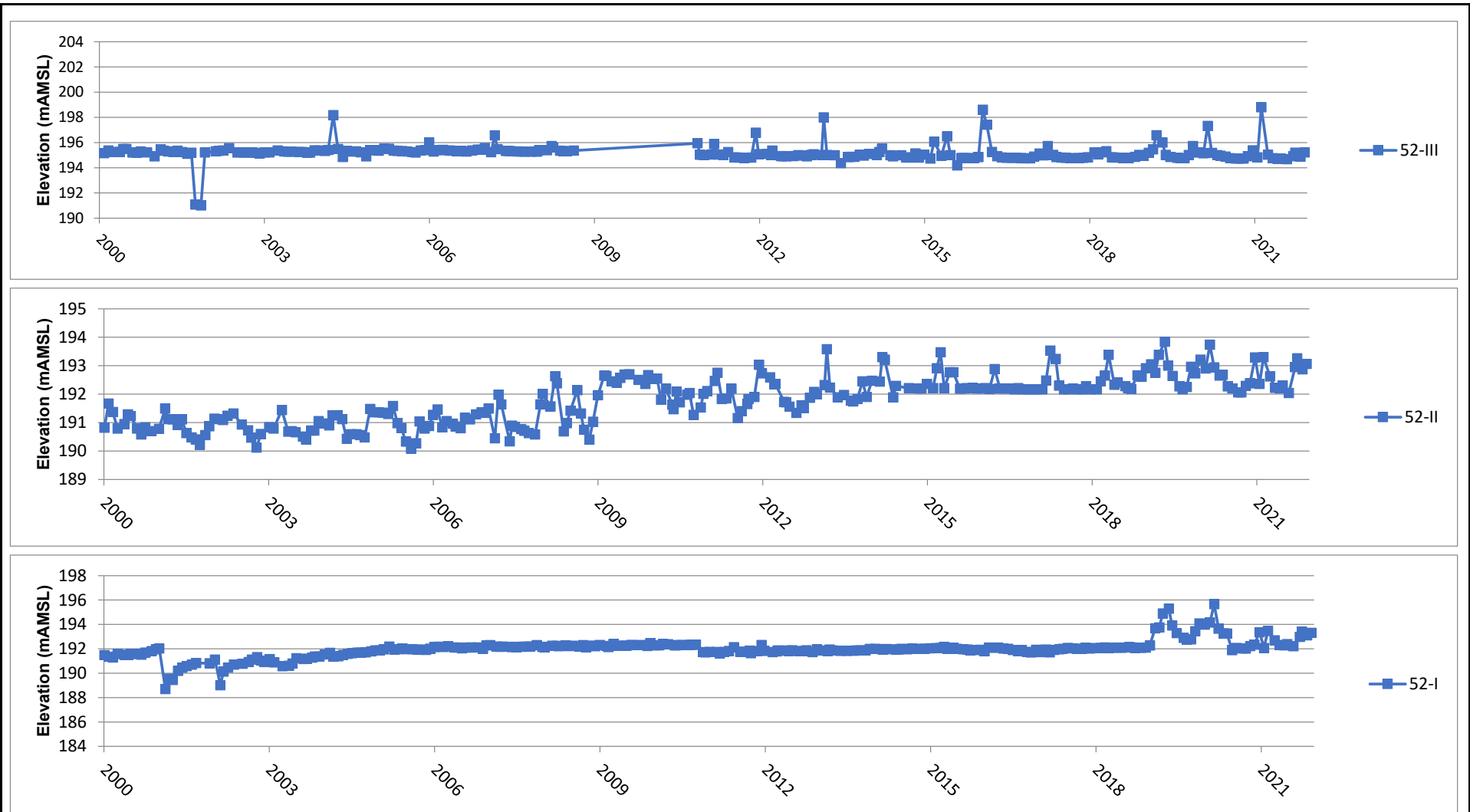




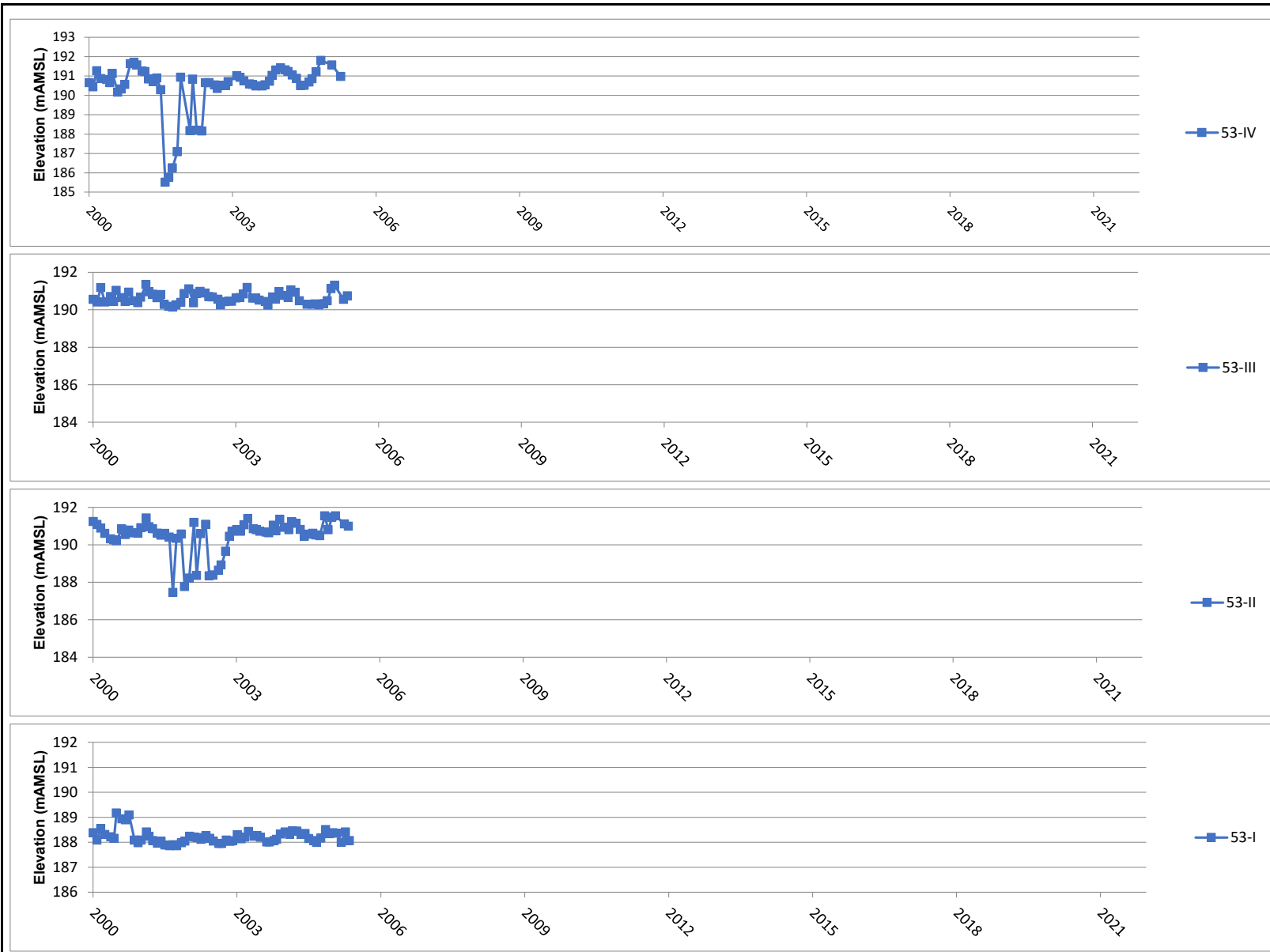
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 50 Nest - Hydrographs
 2021 Annual Monitoring Report
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 Stoney Creek, Ontario



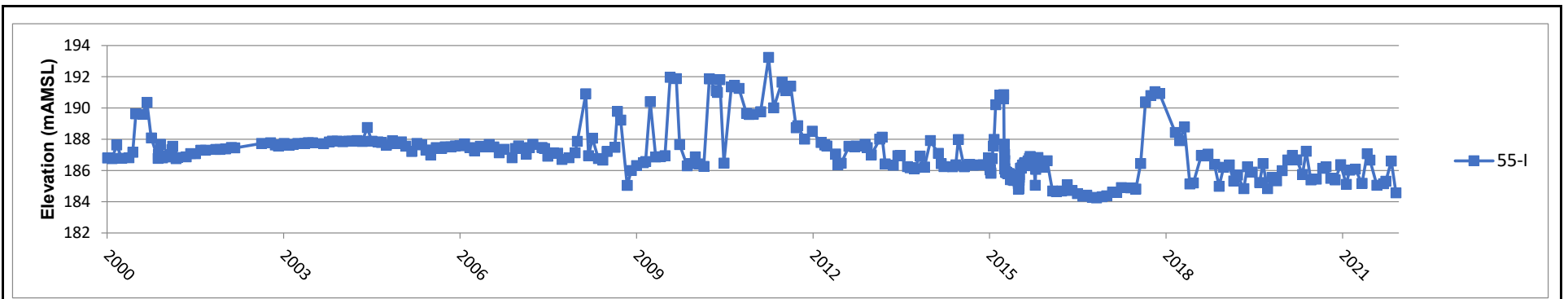
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51 Nest - Hydrographs
2021 Annual Monitoring Report
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Stoney Creek, Ontario



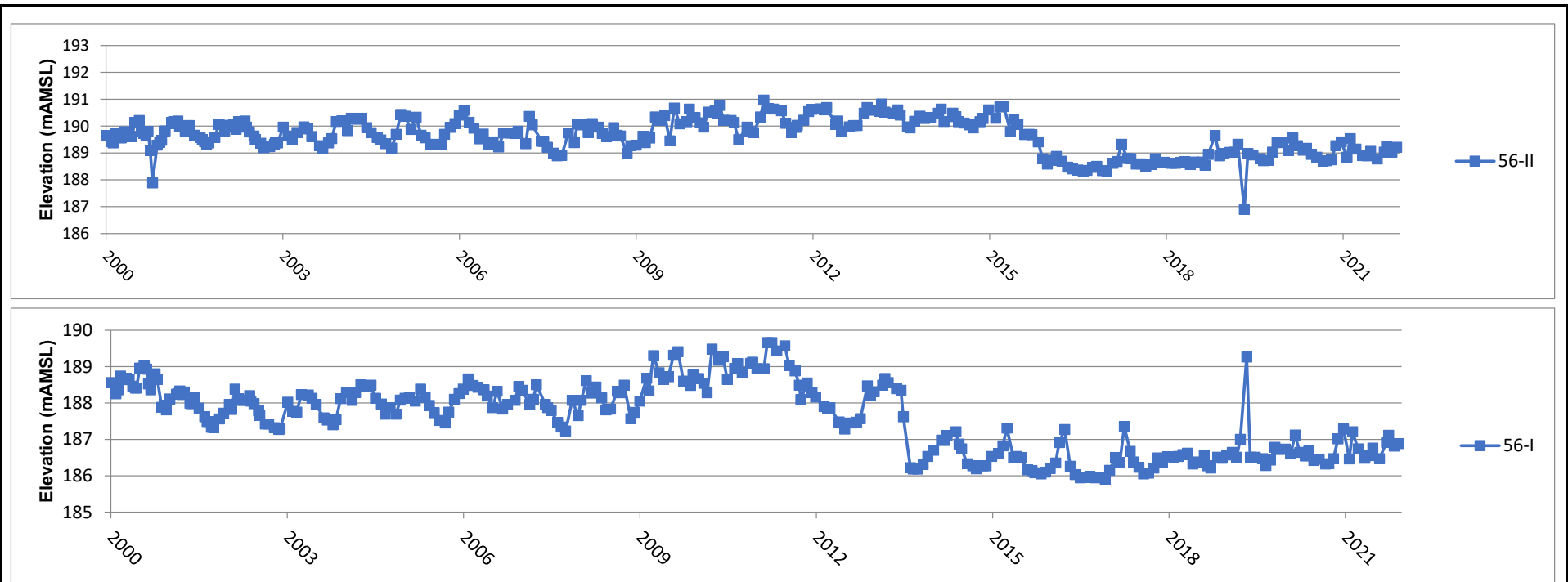
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52 Nest - Hydrographs
2021 Annual Monitoring Report
GFL Environmental, Stoney Creek Regional Facility
Stoney Creek, Ontario



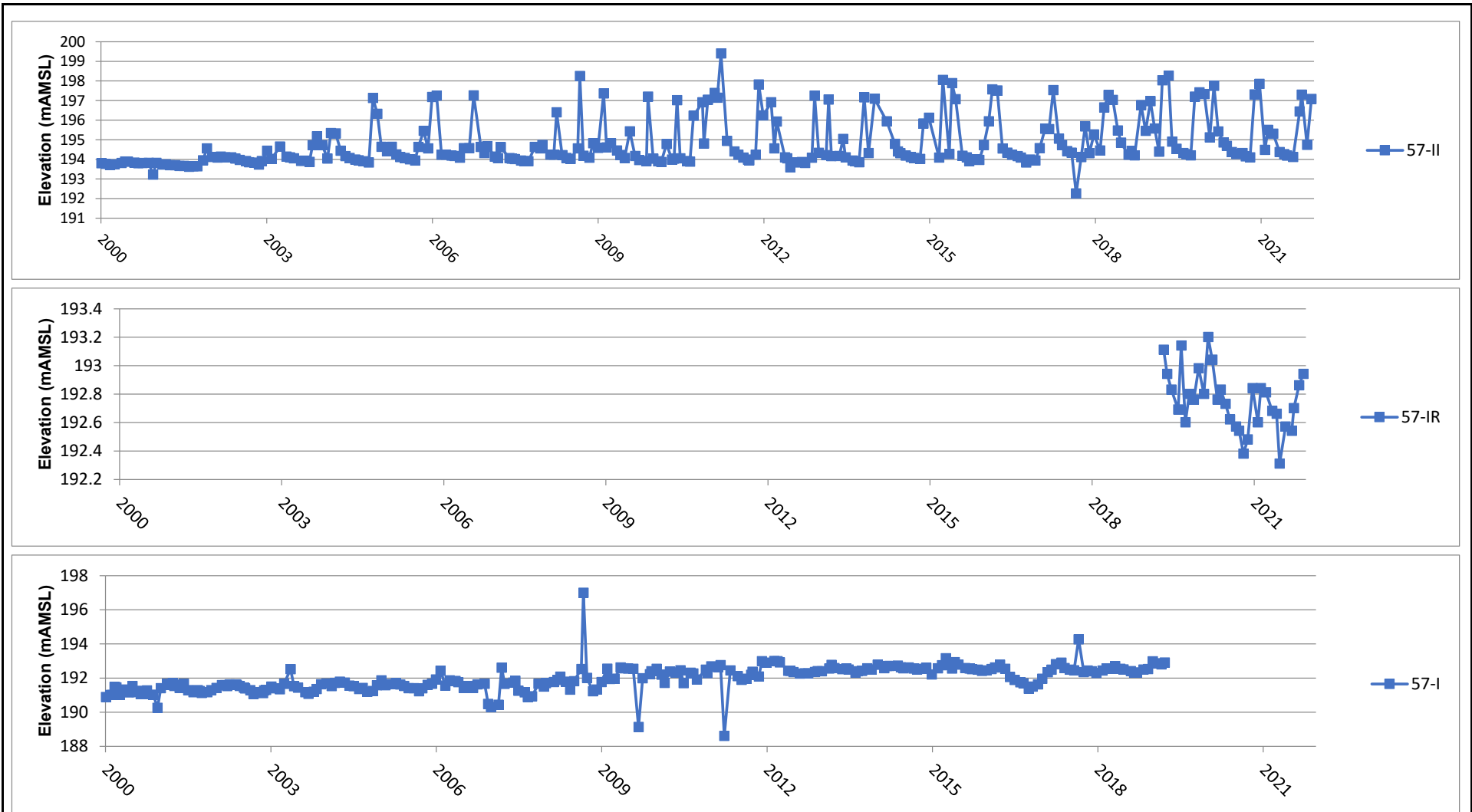
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53 Nest - Hydrographs
2021 Annual Monitoring Report
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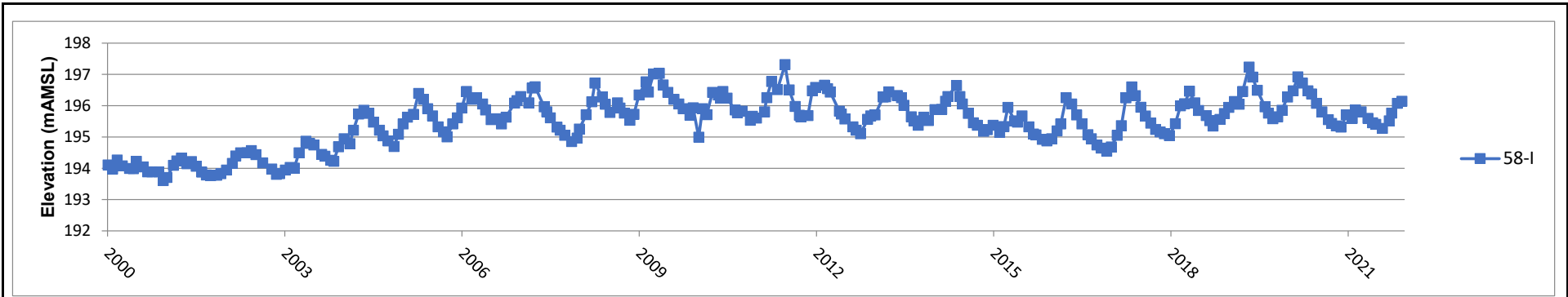
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55-I - Hydrographs
2021 Annual Monitoring Report
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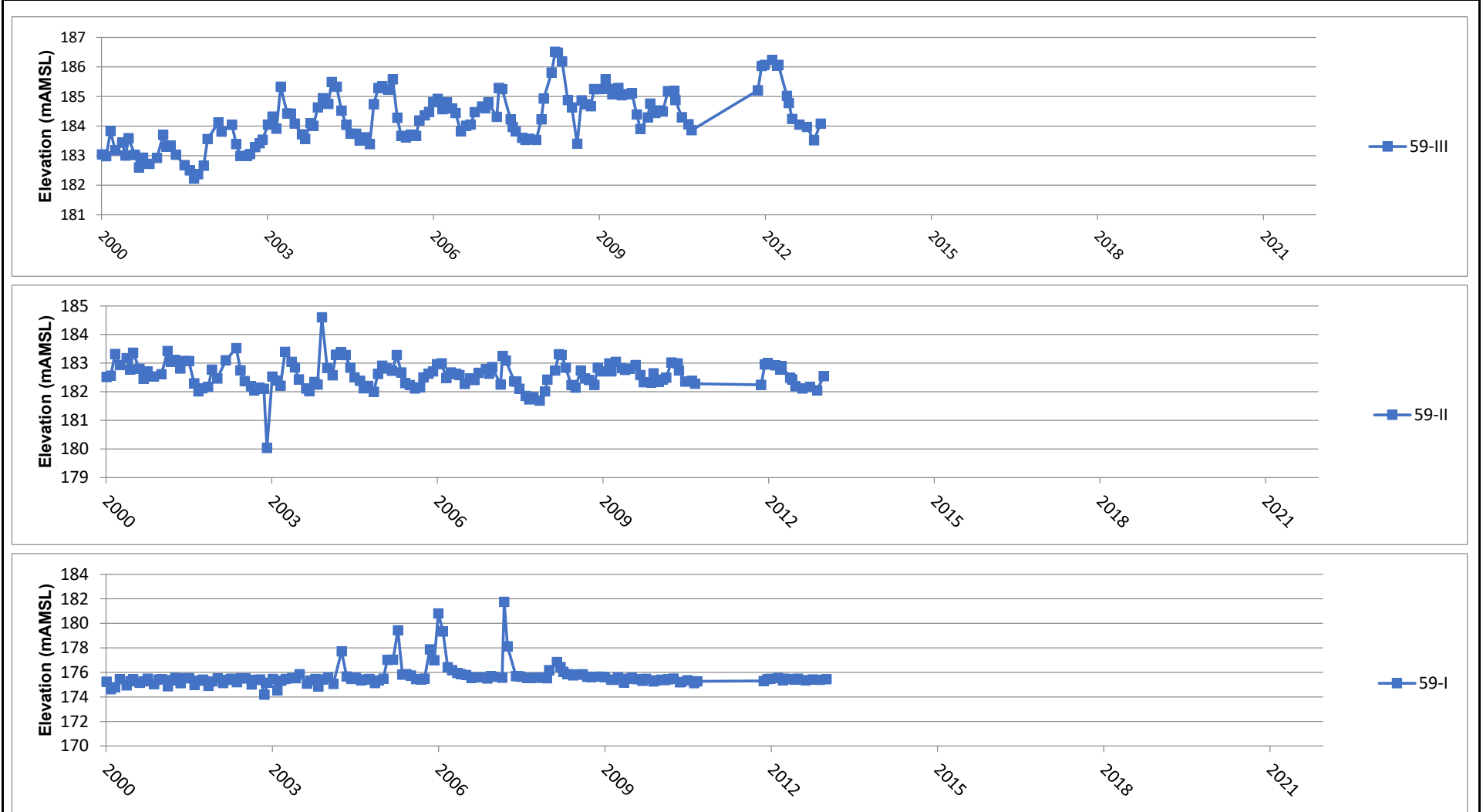
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56 Nest - Hydrographs
2021 Annual Monitoring Report
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Stoney Creek, Ontario



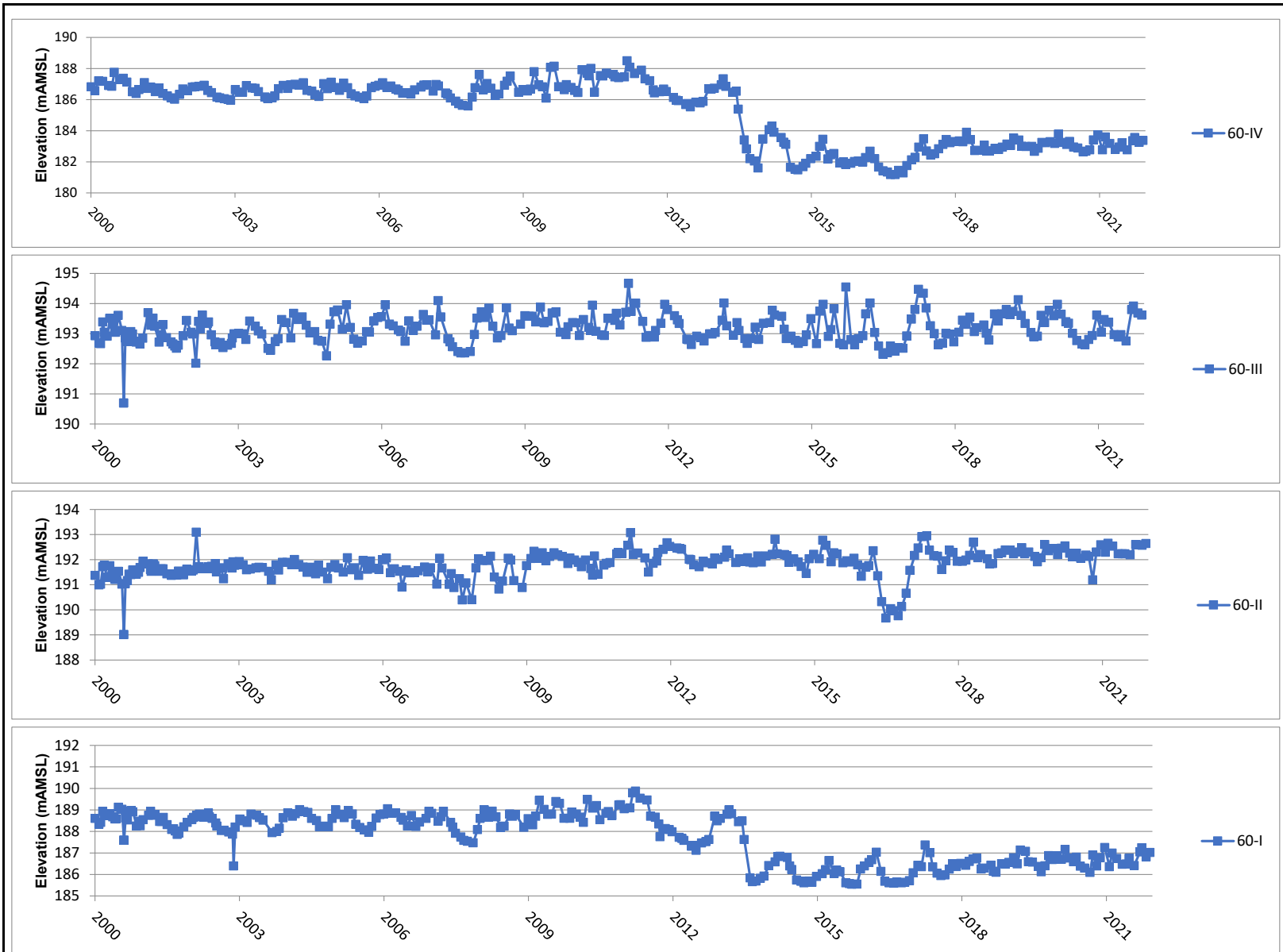
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57 Nest - Hydrographs
2021 Annual Monitoring Report
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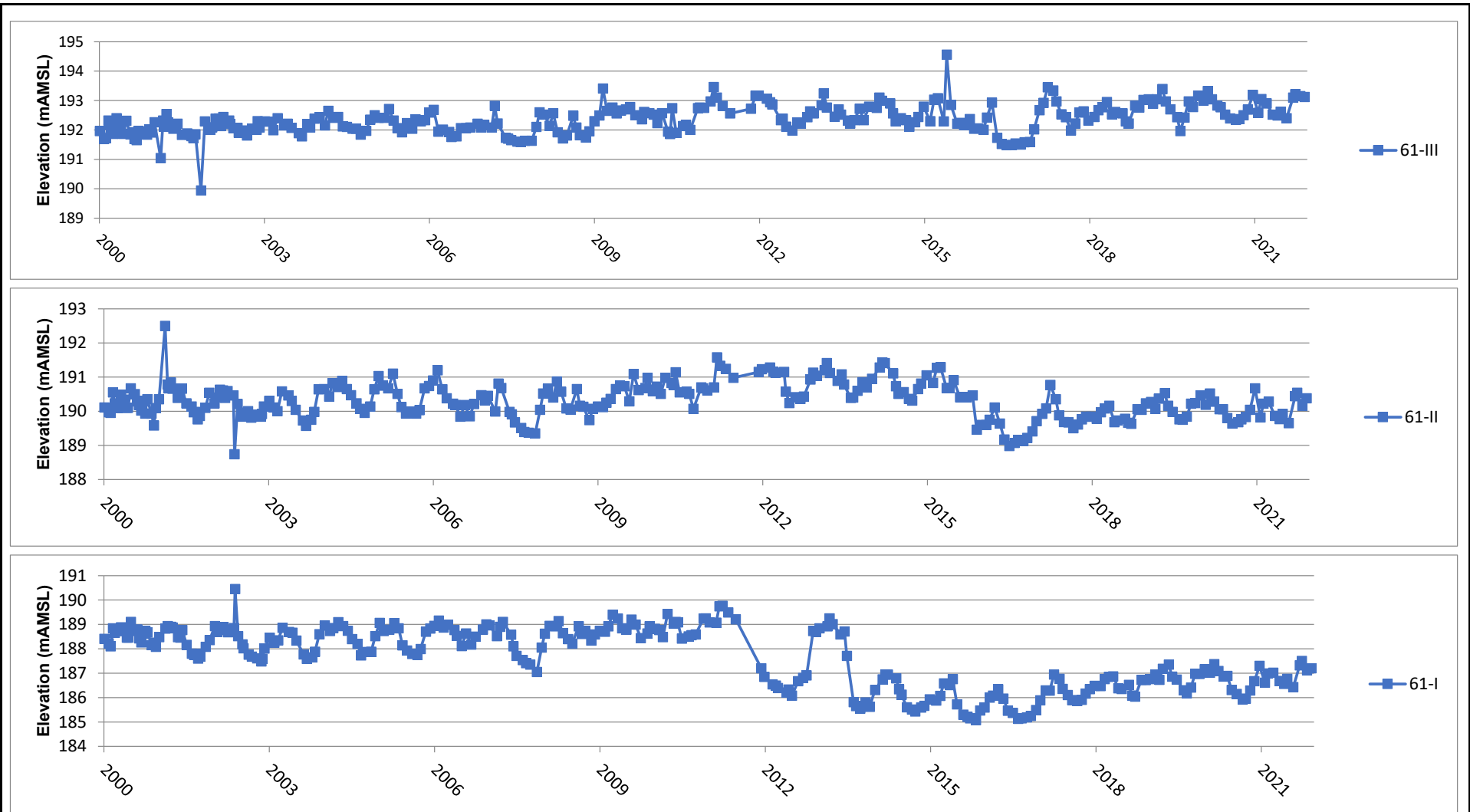
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58-I - Hydrographs
2021 Annual Monitoring Report
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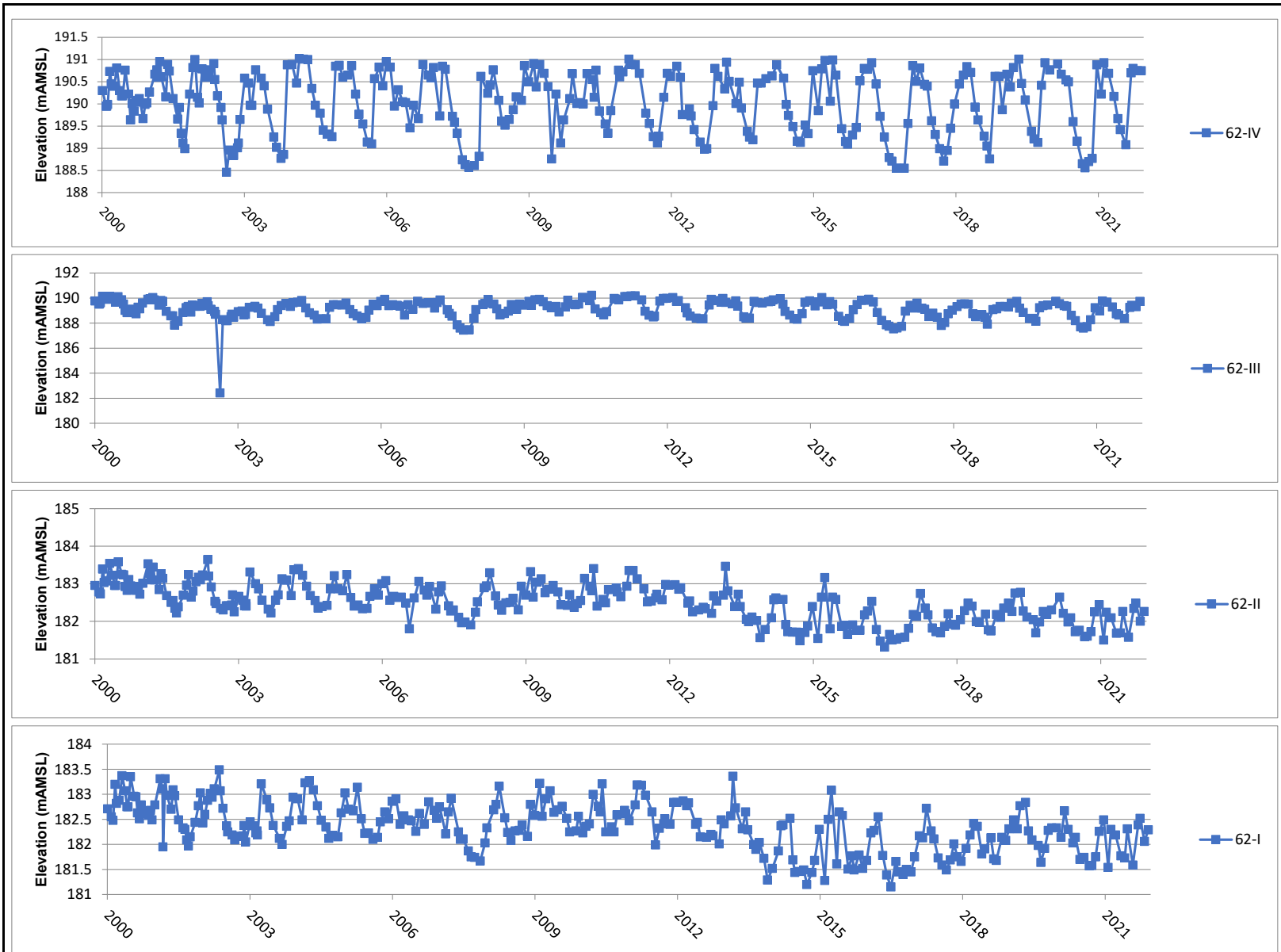
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59 Nest - Hydrographs
2021 Annual Monitoring Report
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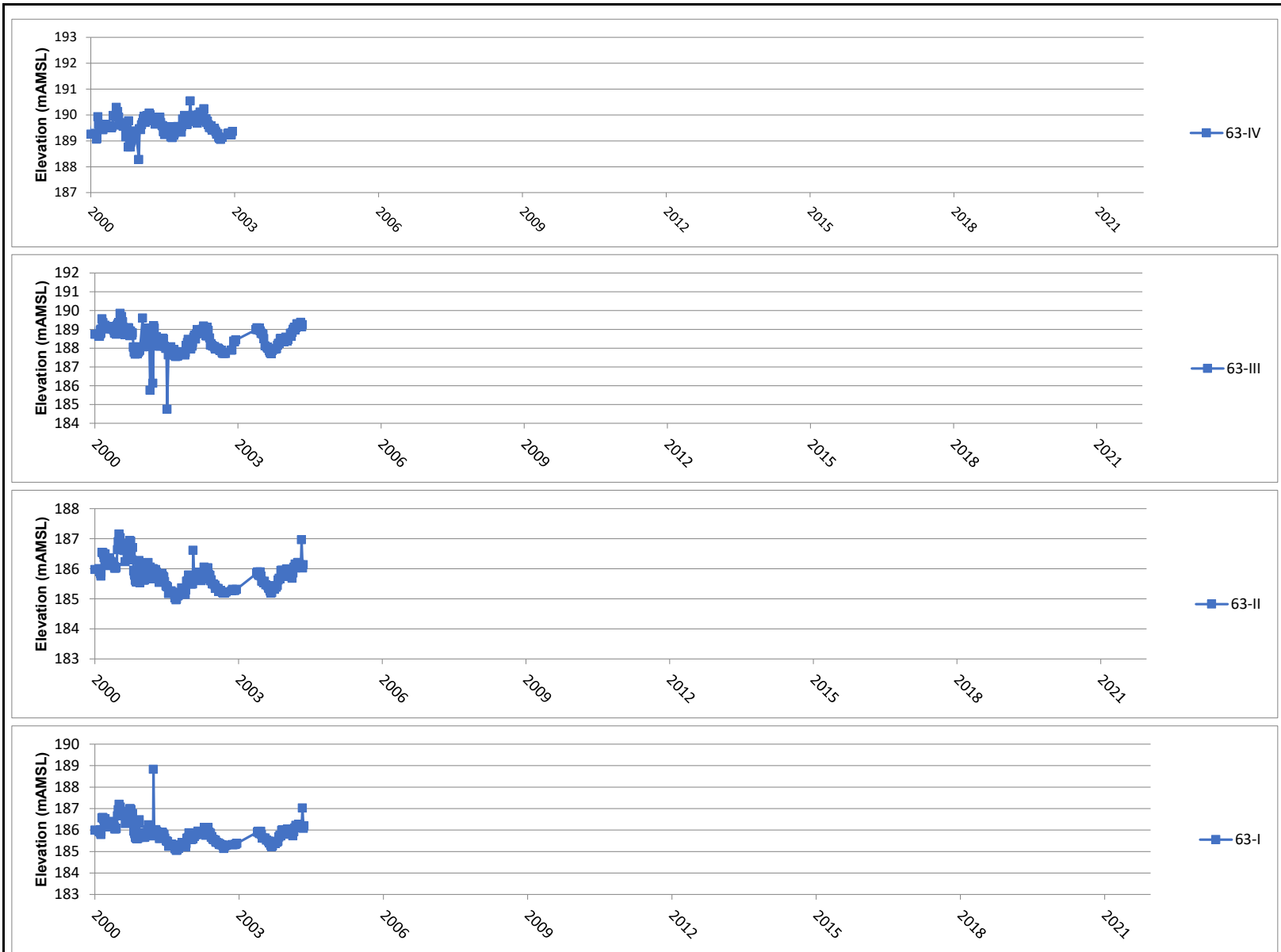
Appendix K.4 - Figure 33
 60 Nest - Hydrographs
 2021 Annual Monitoring Report
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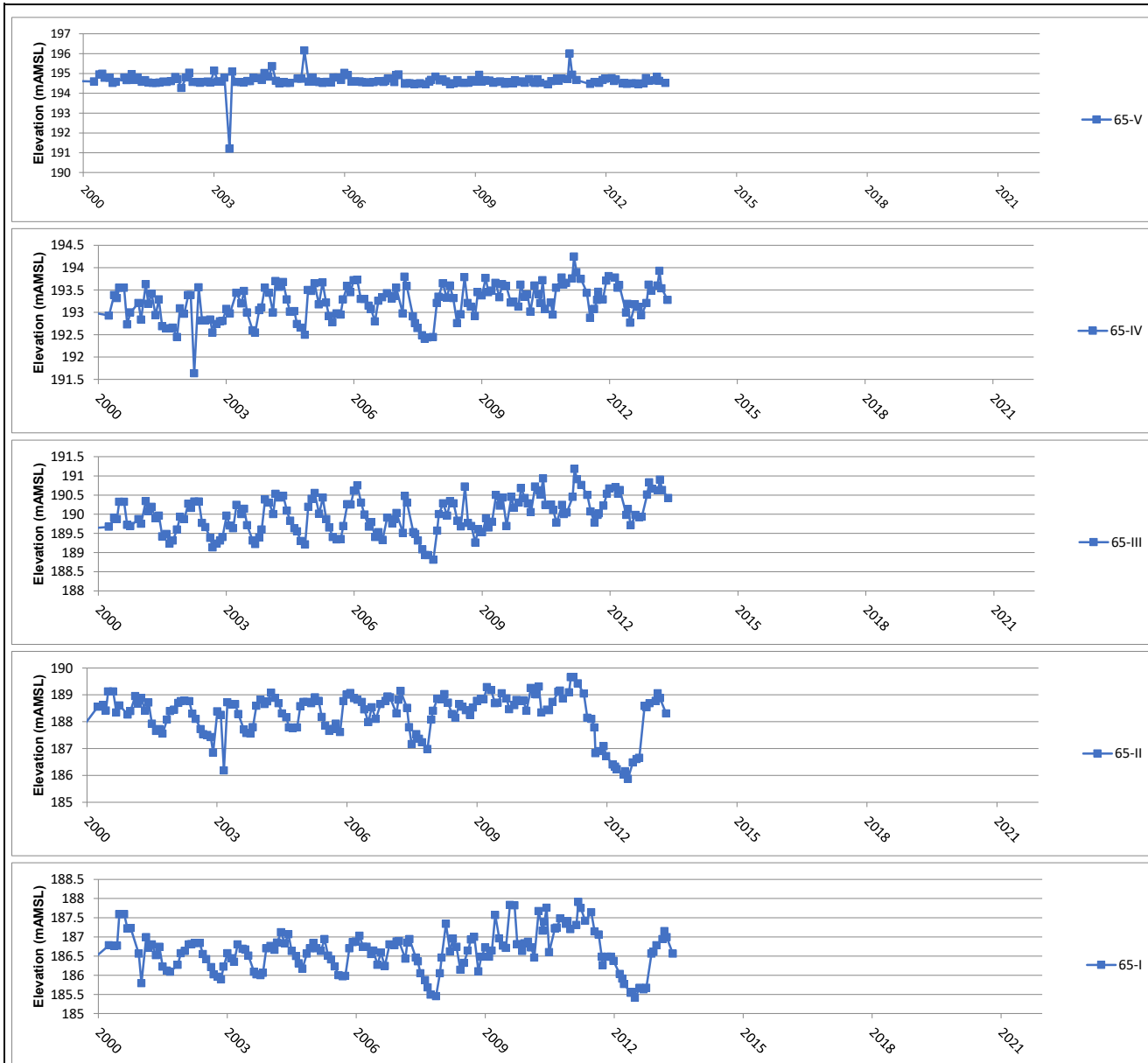
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61 Nest - Hydrographs
2021 Annual Monitoring Report
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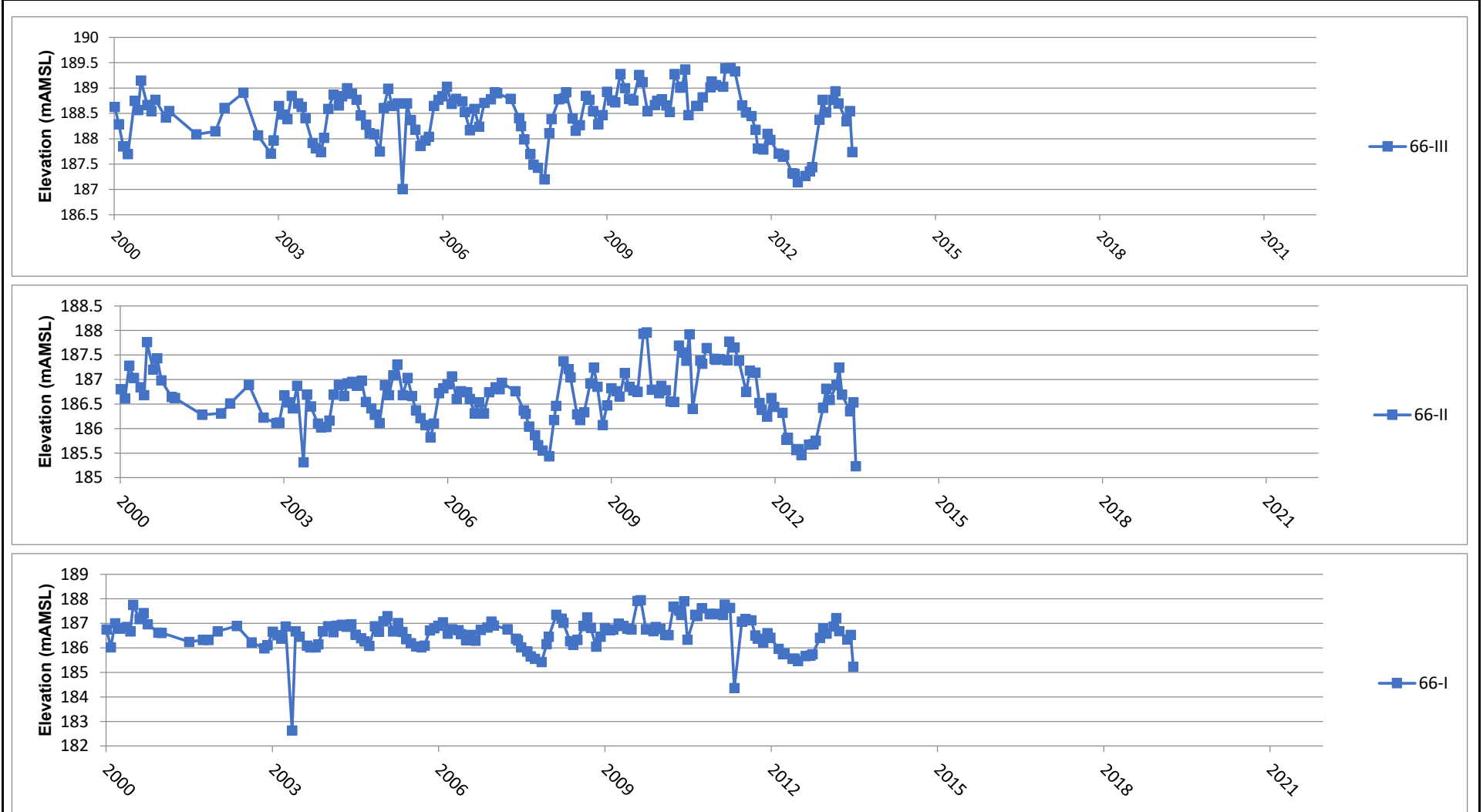
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62 Nest - Hydrographs
2021 Annual Monitoring Report
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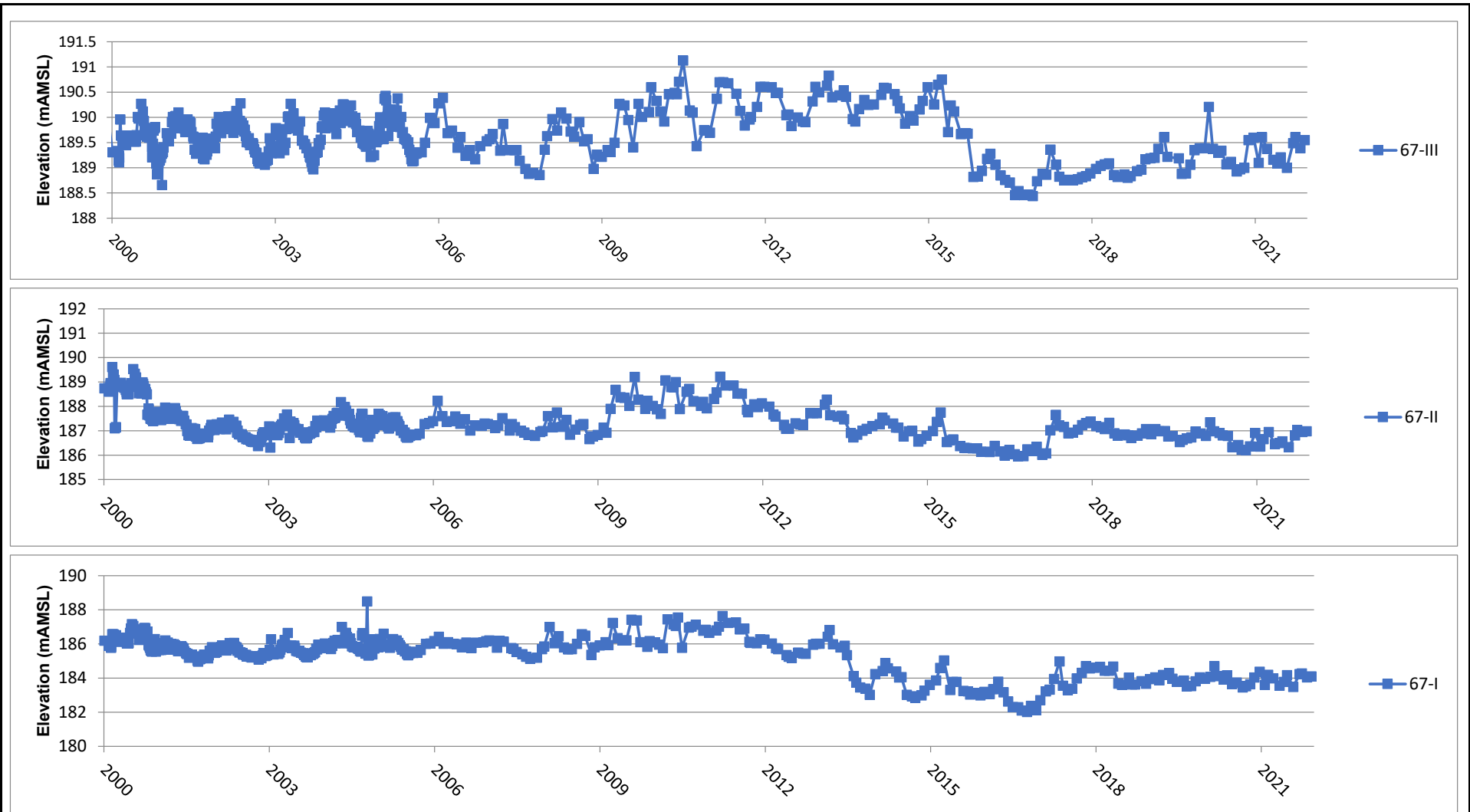
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 63 Nest - Hydrographs
 2021 Annual Monitoring Report
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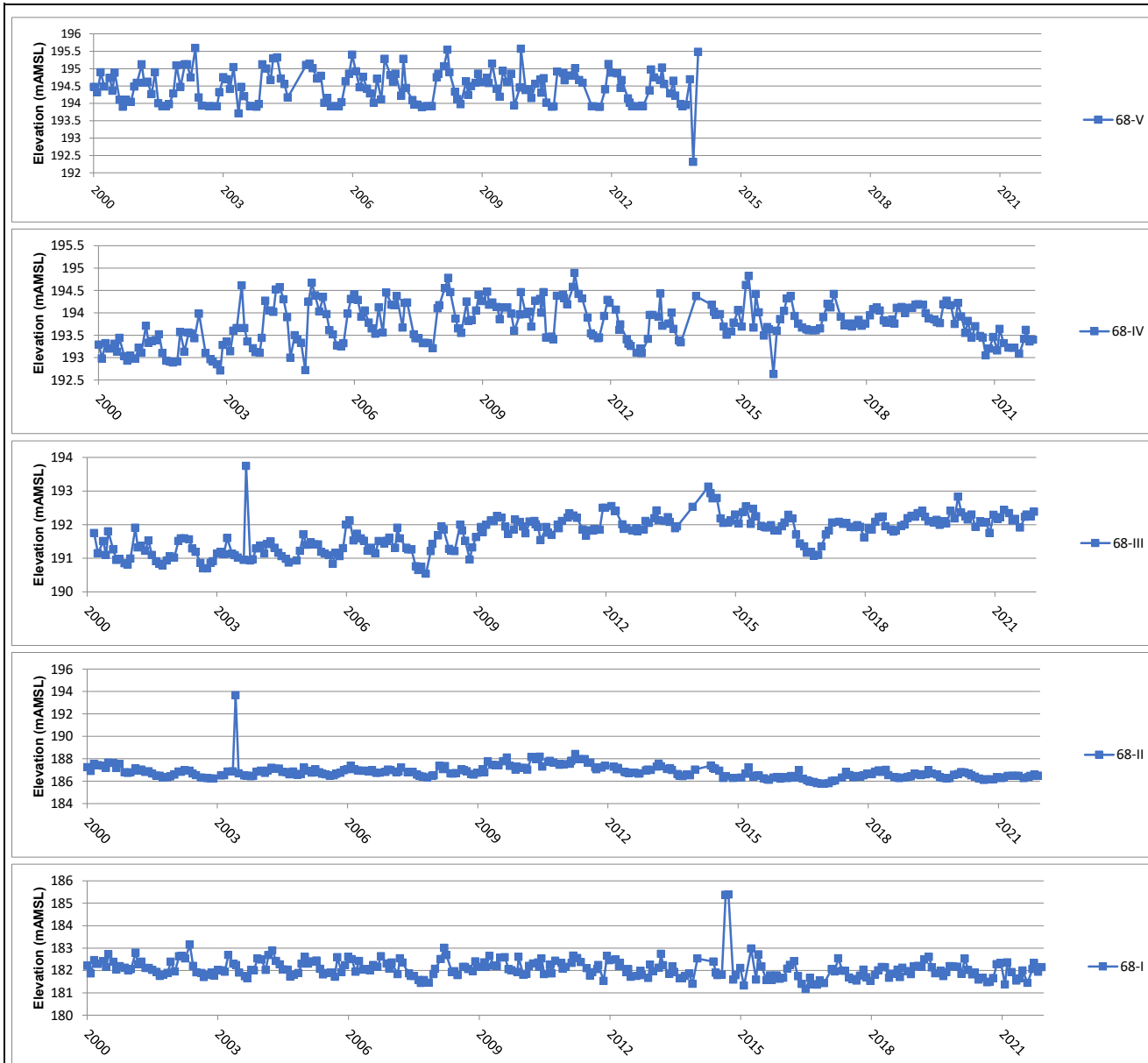
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 65 Nest - Hydrographs
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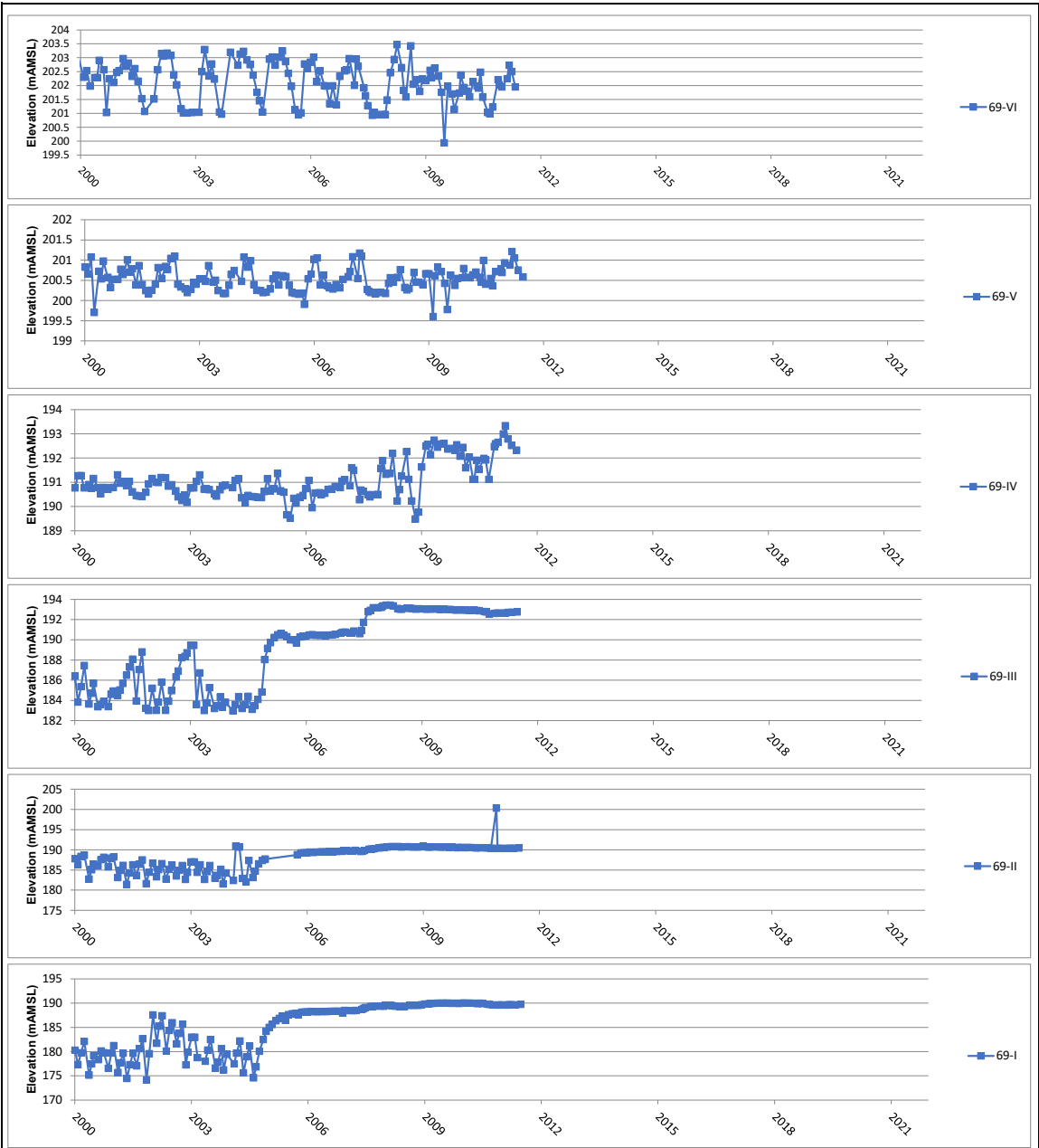
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66 Nest - Hydrographs
2021 Annual Monitoring Report
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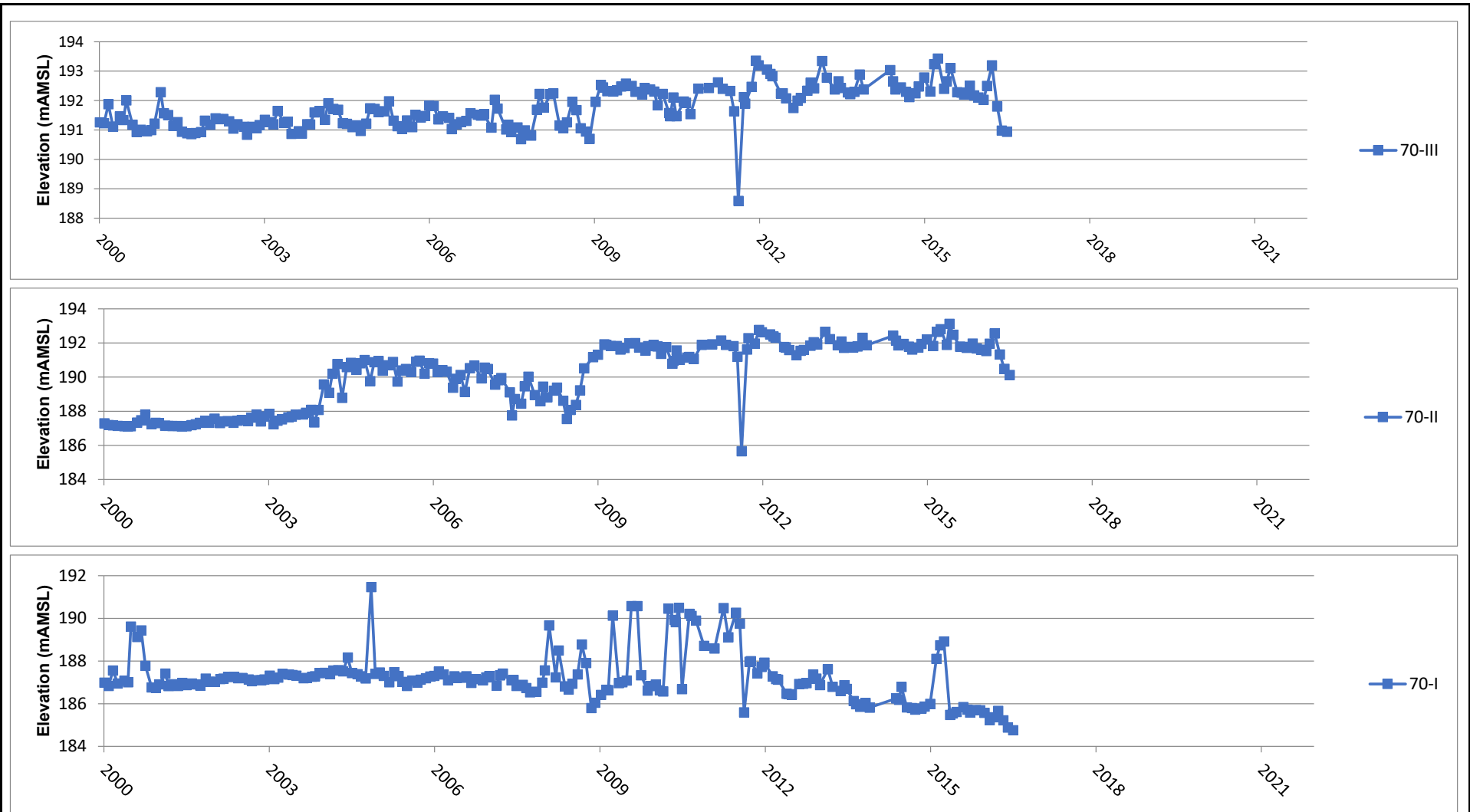
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67 Nest - Hydrographs
2021 Annual Monitoring Report
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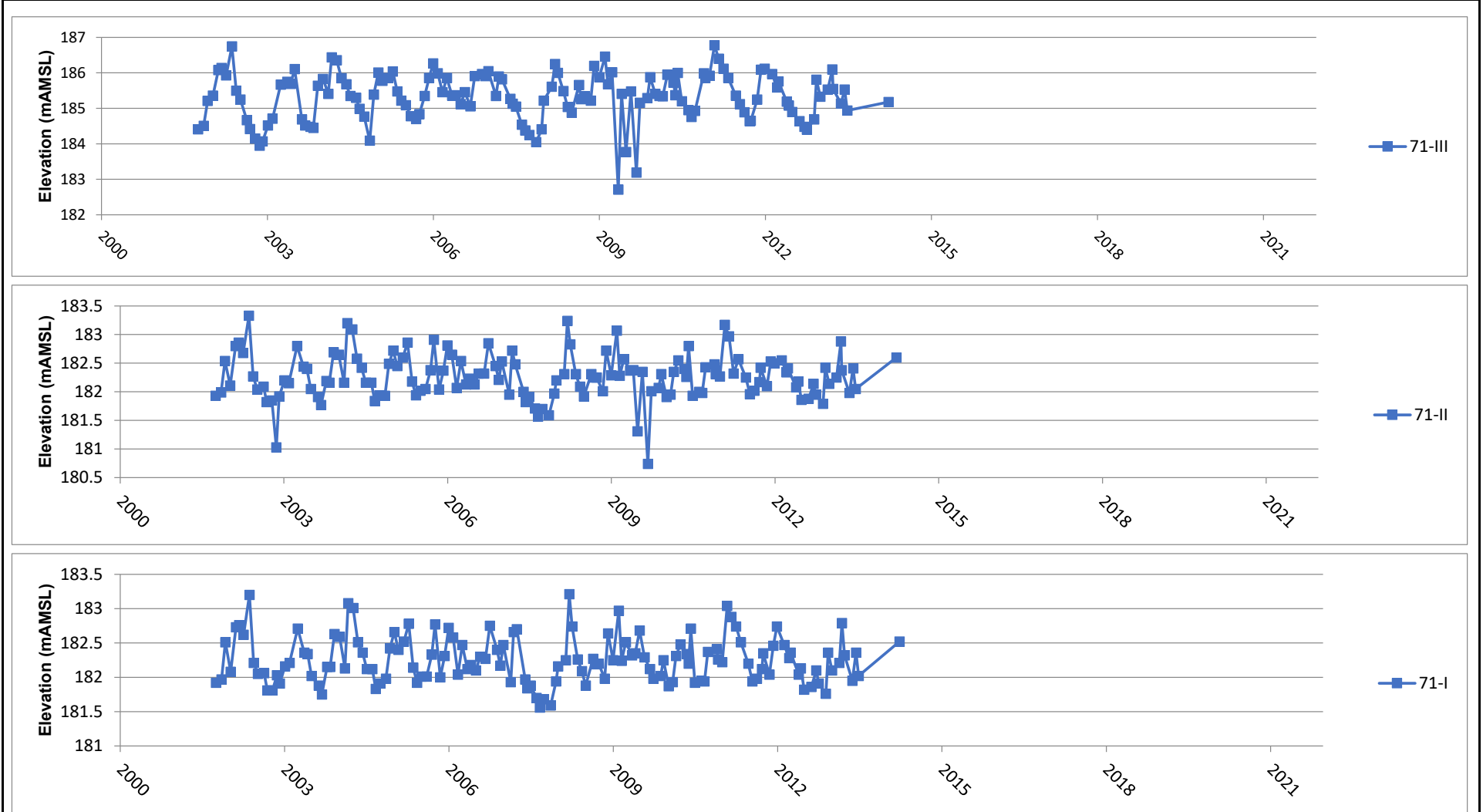
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 68 Nest - Hydrographs
 2021 Annual Monitoring Report
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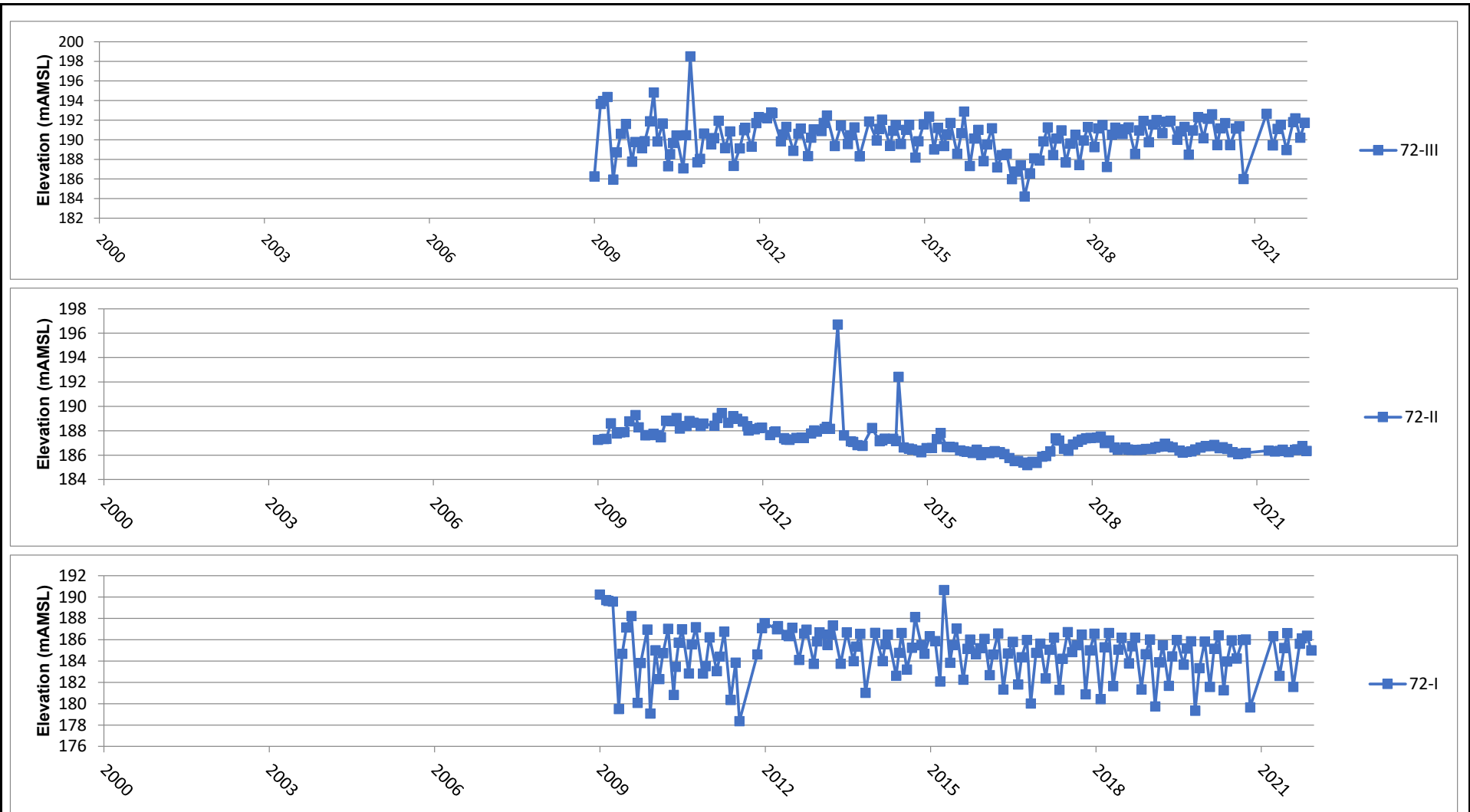
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 69 Nest - Hydrographs
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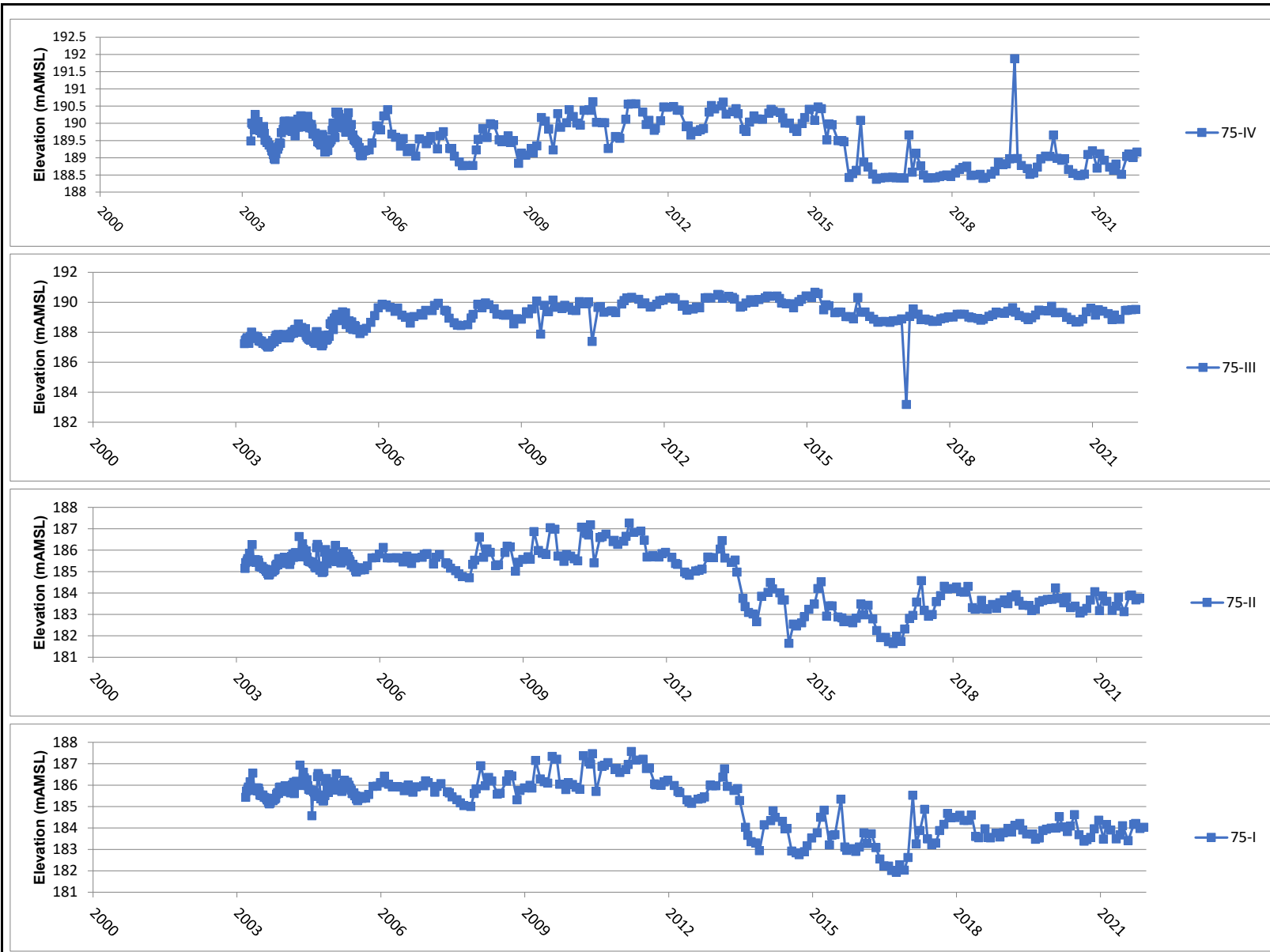
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70 Nest - Hydrographs
2021 Annual Monitoring Report
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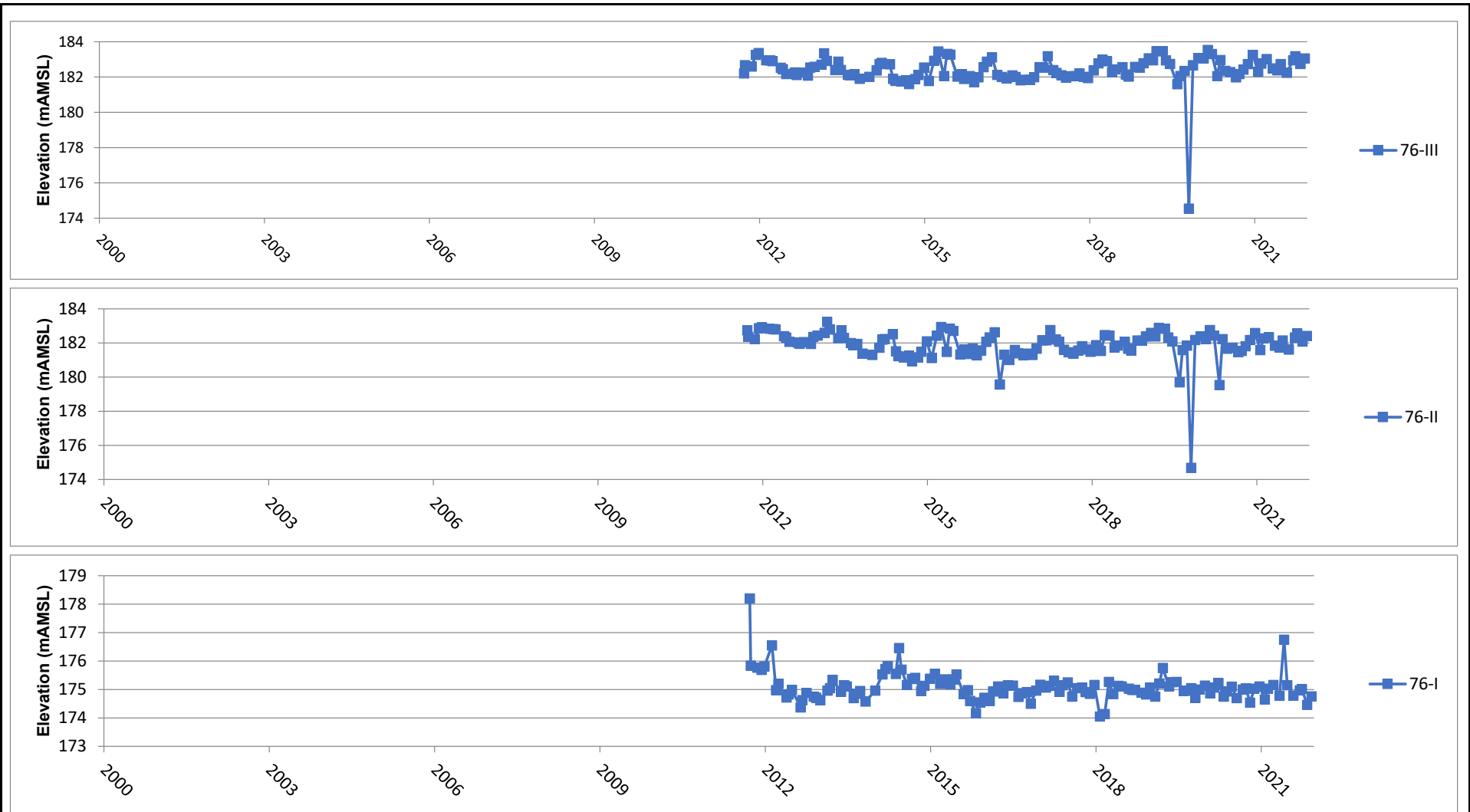
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71 Nest - Hydrographs
2021 Annual Monitoring Report
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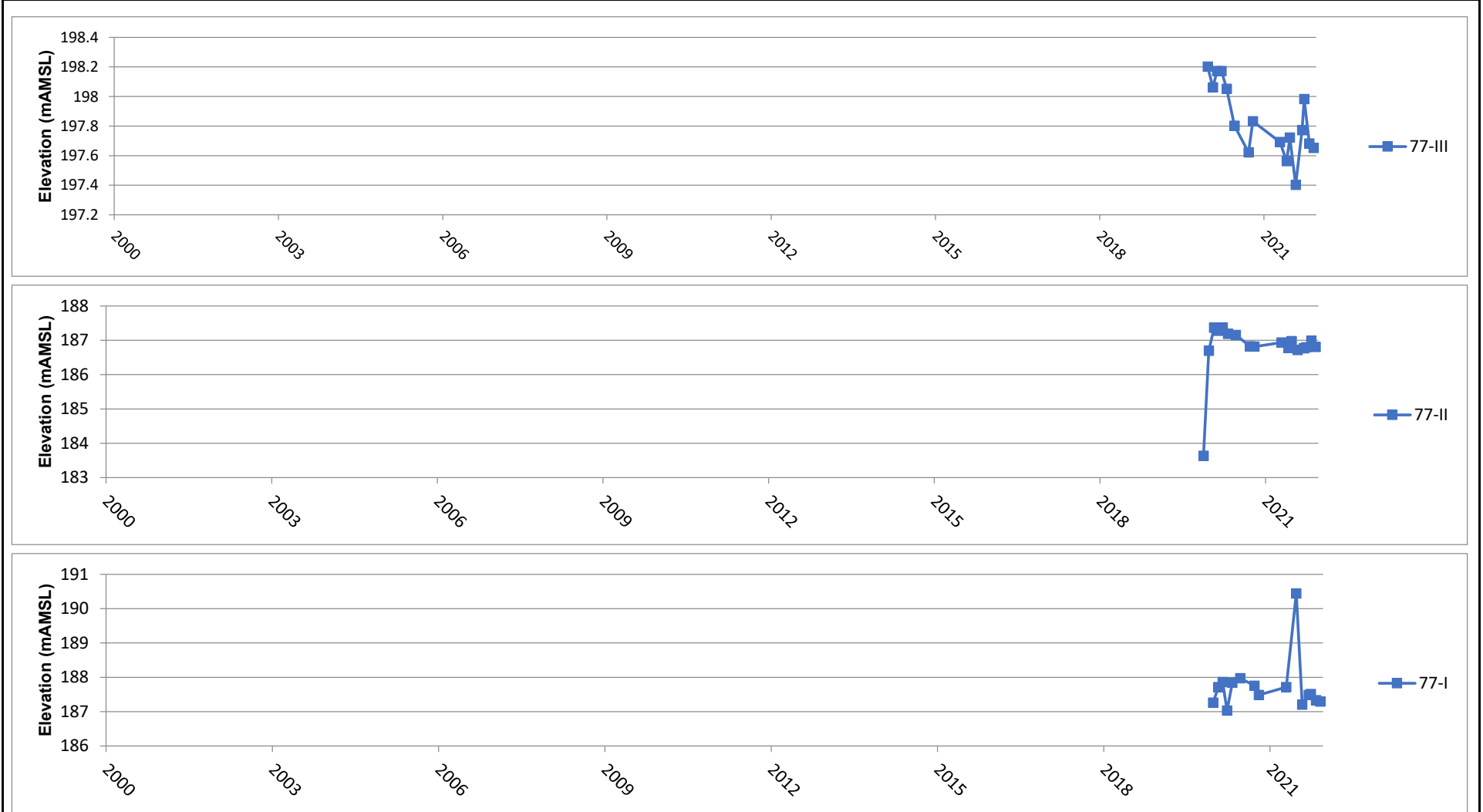
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72 Nest - Hydrographs
2021 Annual Monitoring Report
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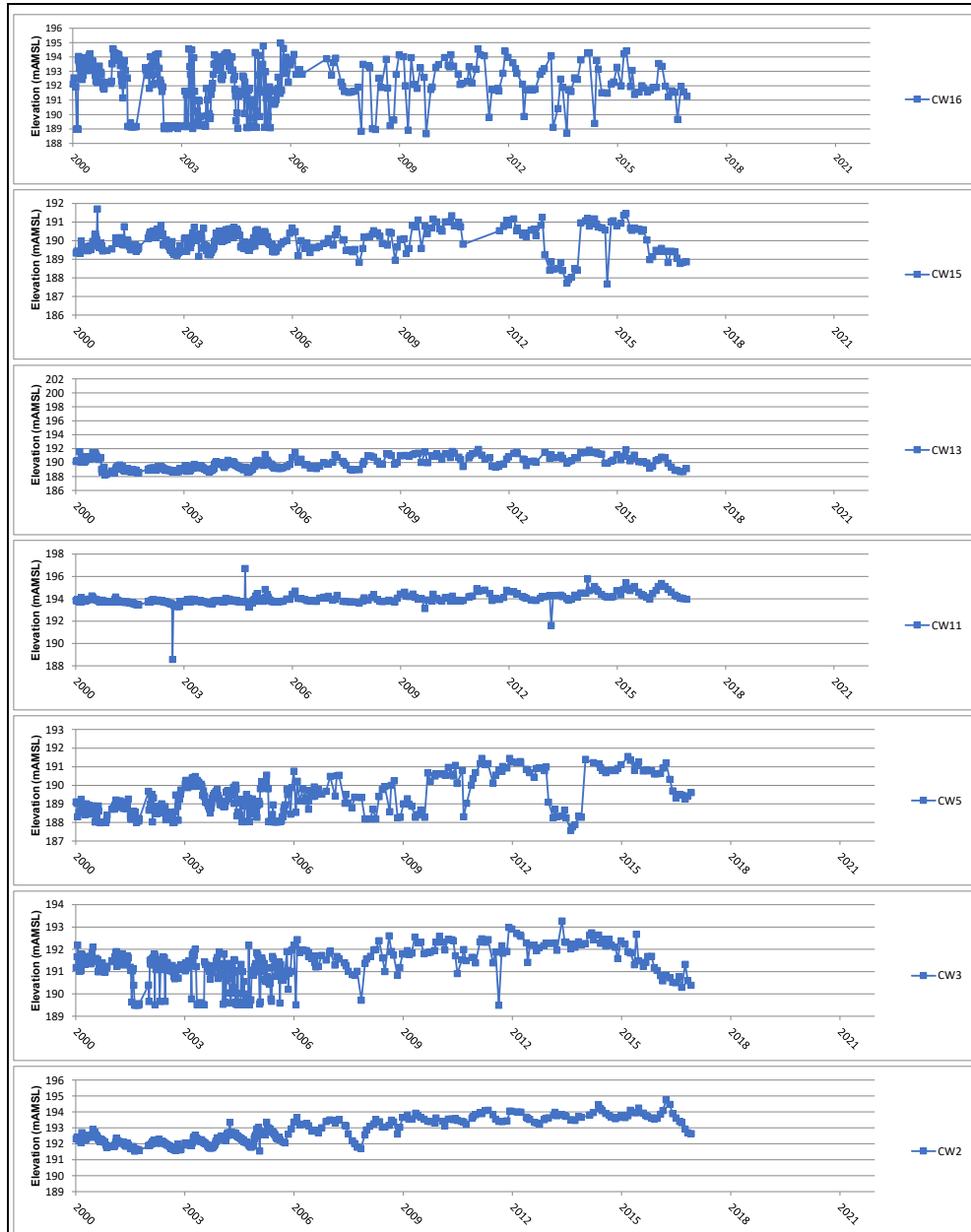
Appendix K.4 - Figure 45
75 Nest - Hydrographs
2021 Annual Monitoring Report
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Appendix K.4 - Figure 46
76 Nest - Hydrographs
2021 Annual Monitoring Report
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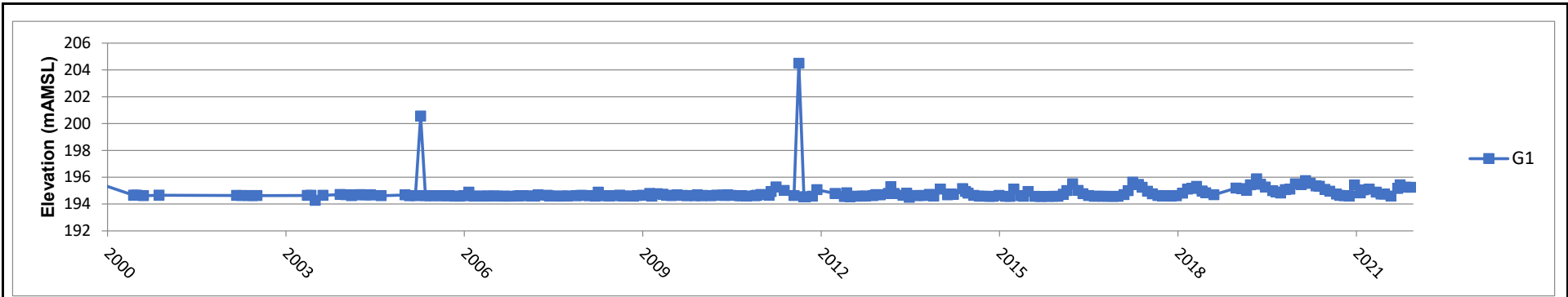


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77 Nest - Hydrographs
2021 Annual Monitoring Report
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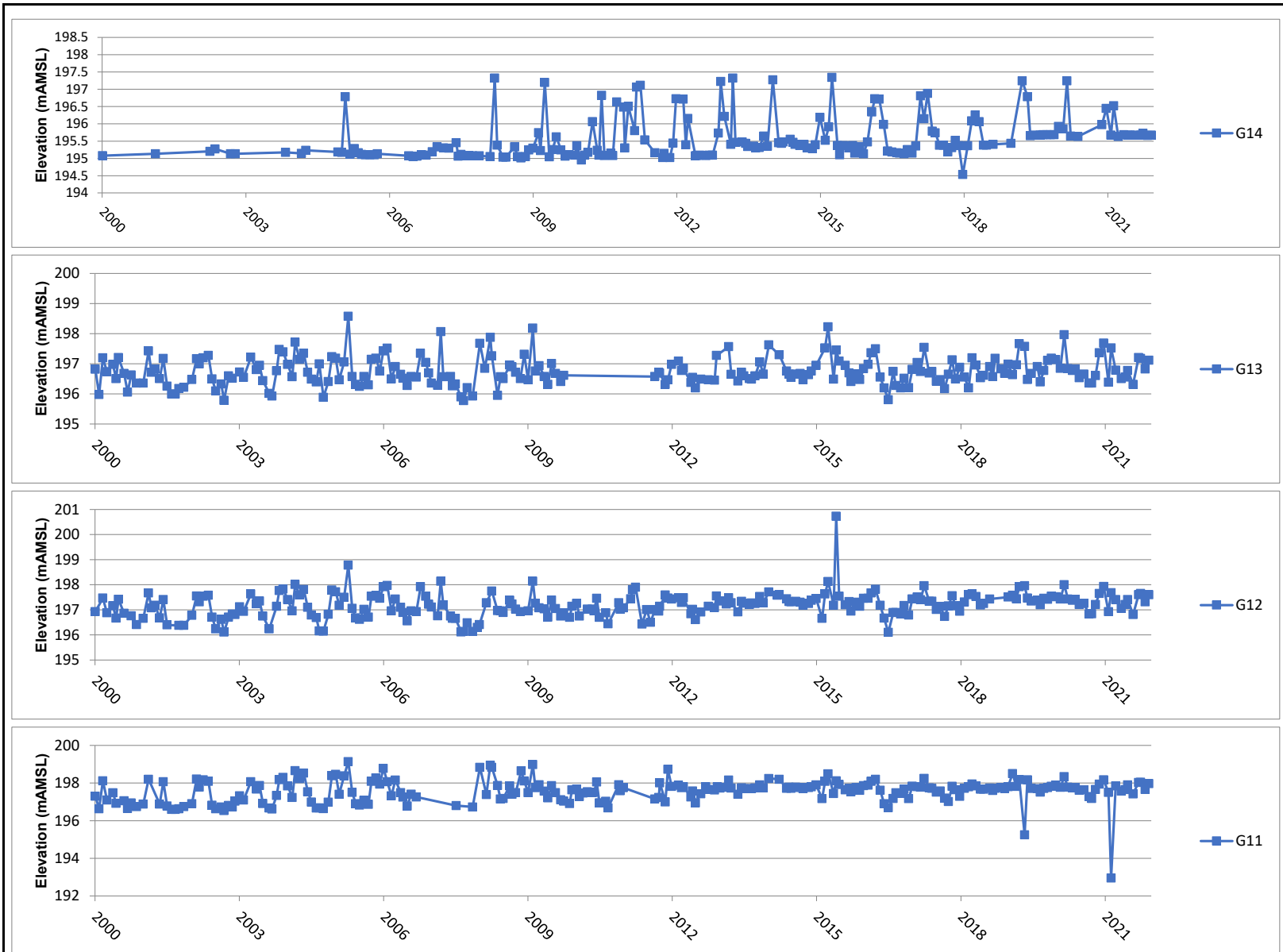


Appendix K.4 - Figure 48
 CW Nest - Hydrographs
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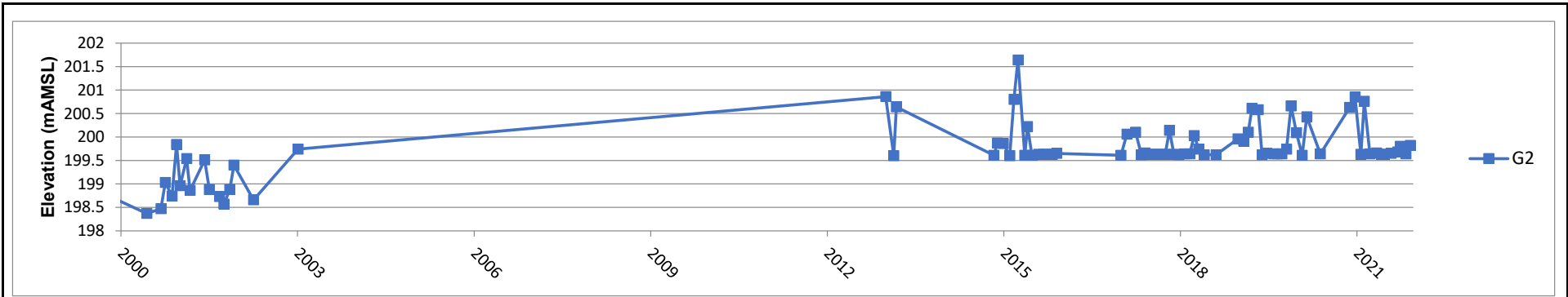




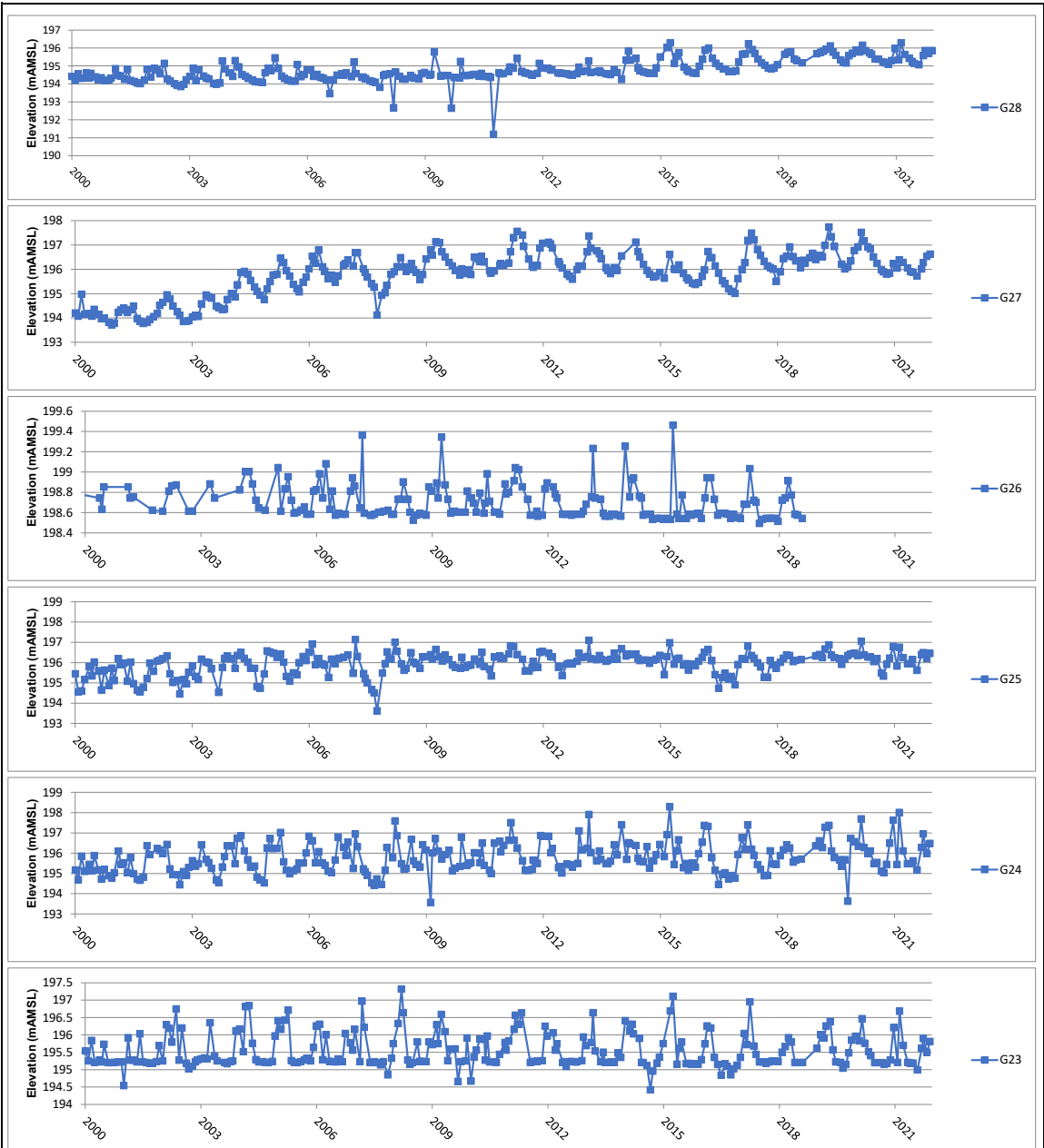
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G1 - Hydrographs
2021 Annual Monitoring Report
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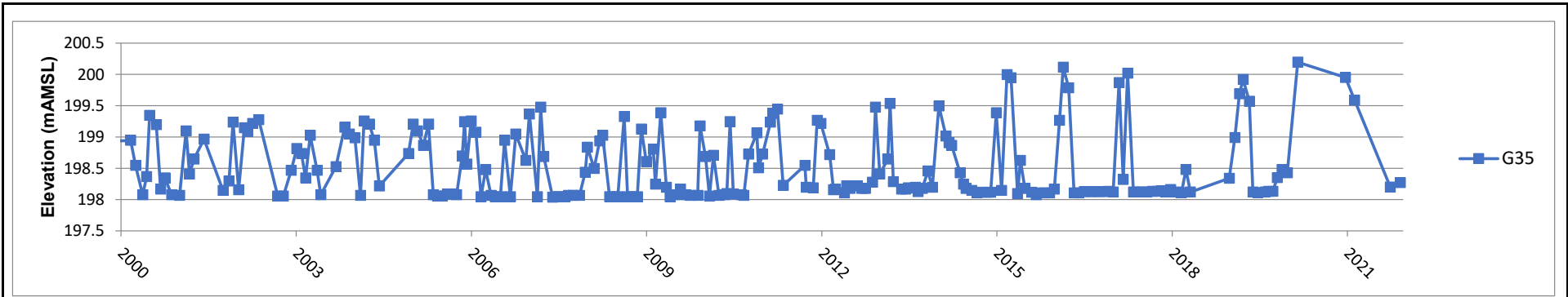
Appendix K.4 - Figure 50
G11 through G14 Nest - Hydrographs
2021 Annual Monitoring Report
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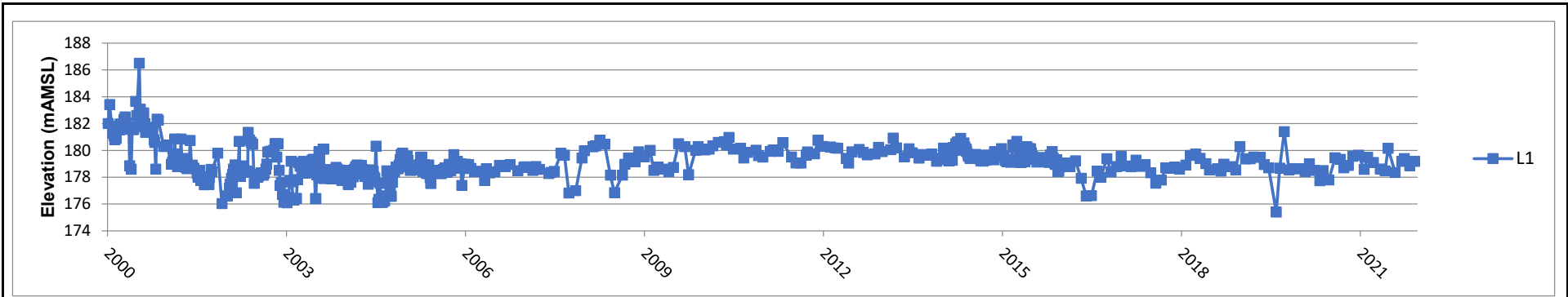
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G2 - Hydrographs
2021 Annual Monitoring Report
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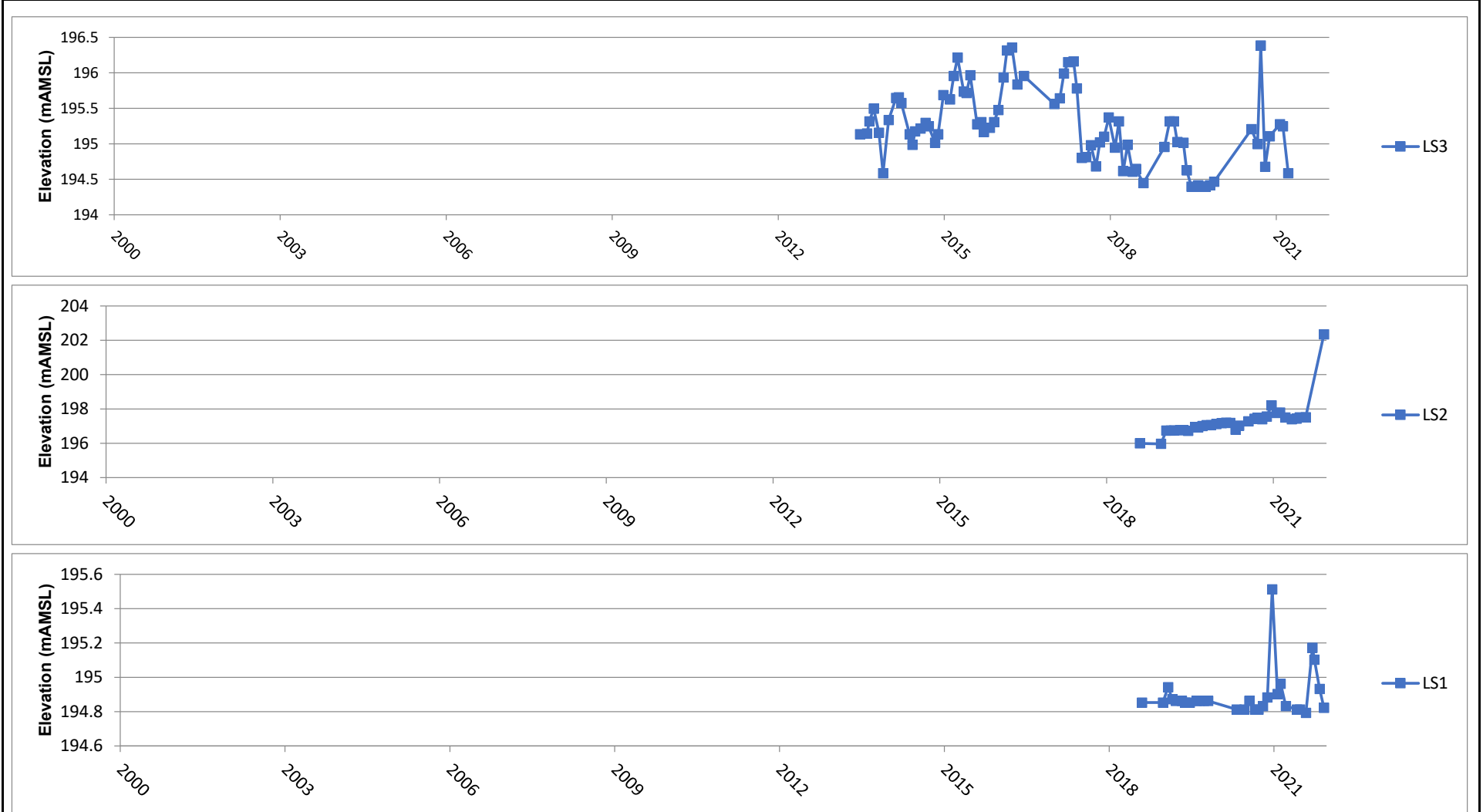
Appendix K.4 - Figure 52
G23 through G28 Nest - Hydrographs
2021 Annual Monitoring Report
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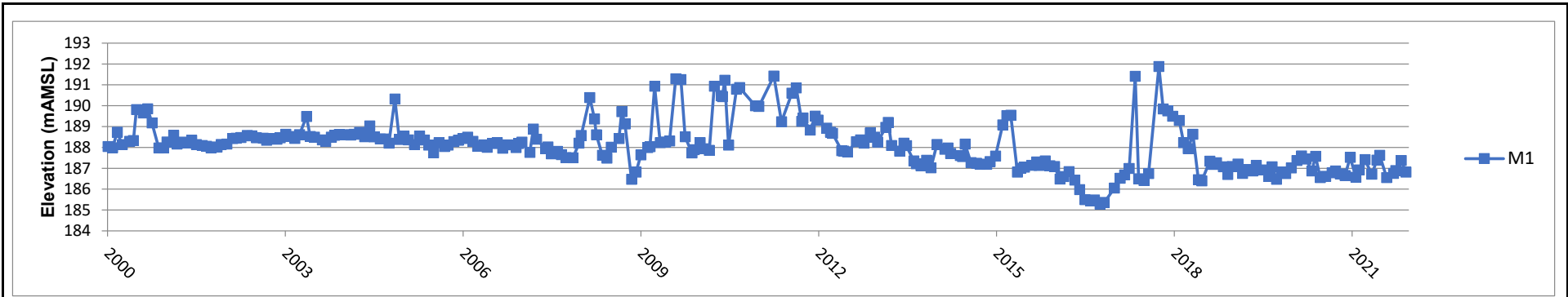
Appendix K.4 - Figure 53
G35 - Hydrographs
2021 Annual Monitoring Report
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Stoney Creek, Ontario



Appendix K.4 - Figure 55
L1 - Hydrographs
2021 Annual Monitoring Report
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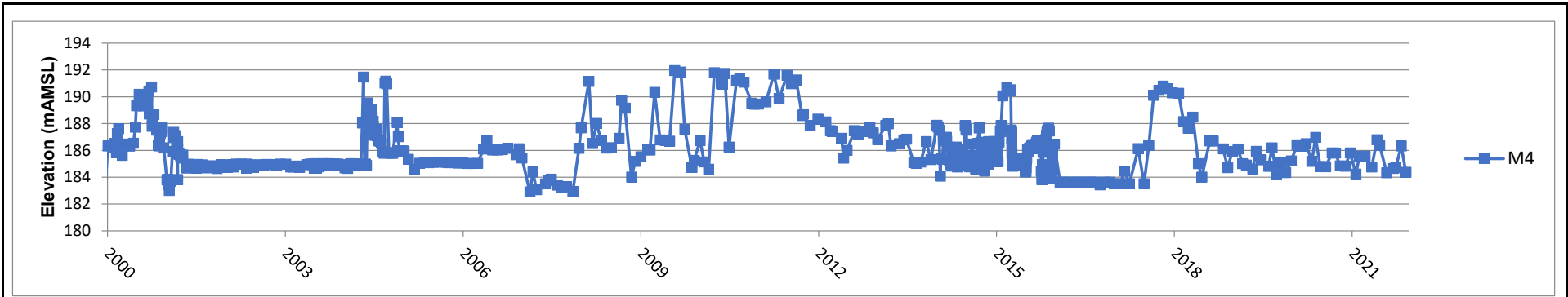
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LS Nest - Hydrographs
2021 Annual Monitoring Report
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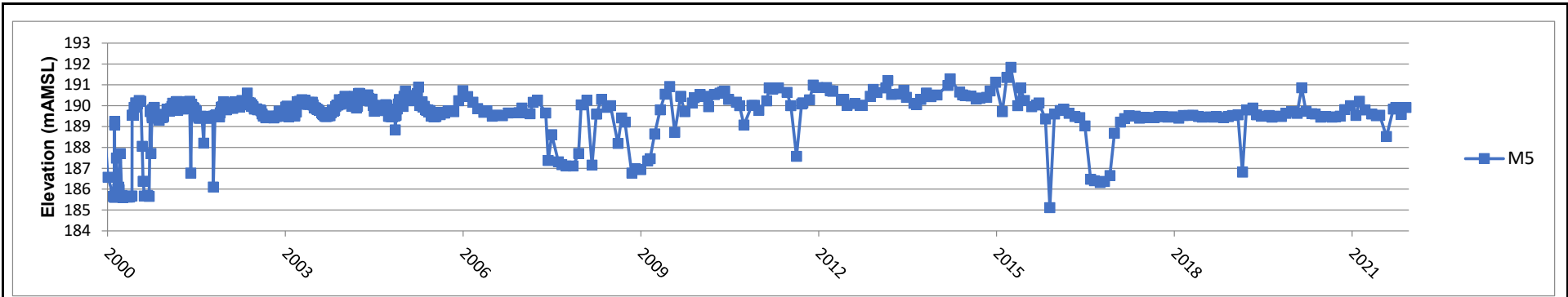
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M1 - Hydrographs
2021 Annual Monitoring Report
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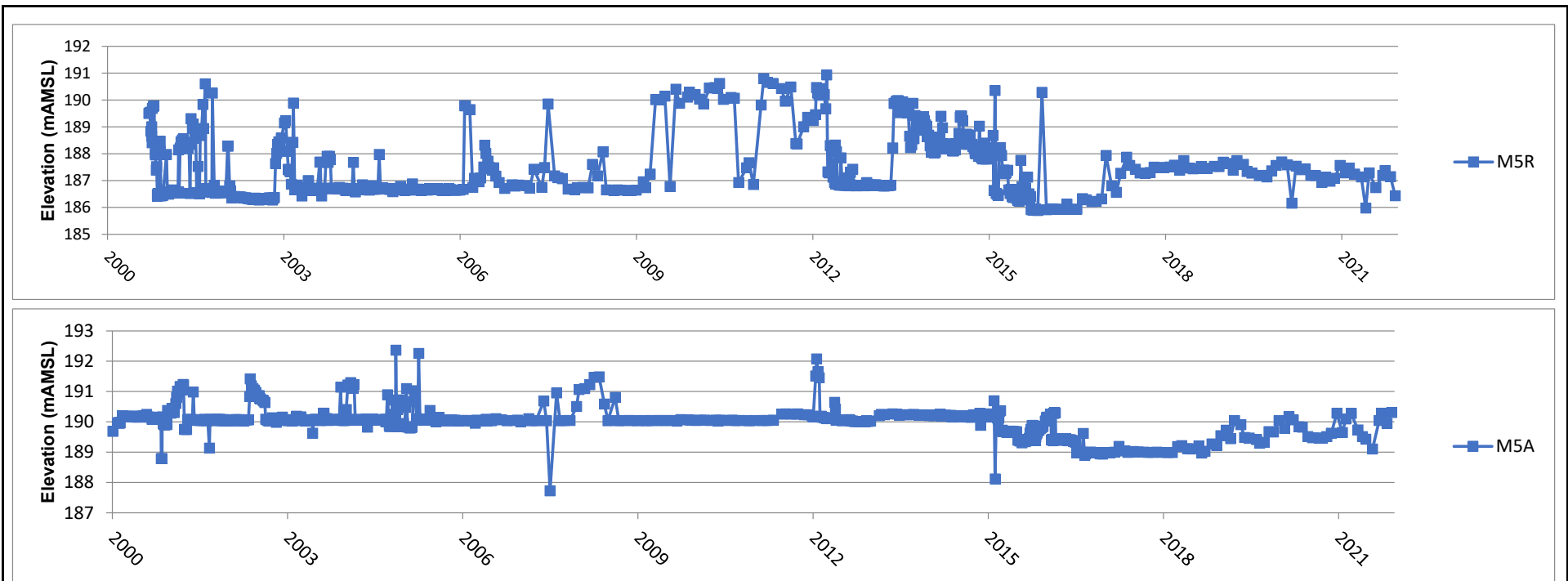
Appendix K.4 - Figure 58
M2 - Hydrographs
2021 Annual Monitoring Report
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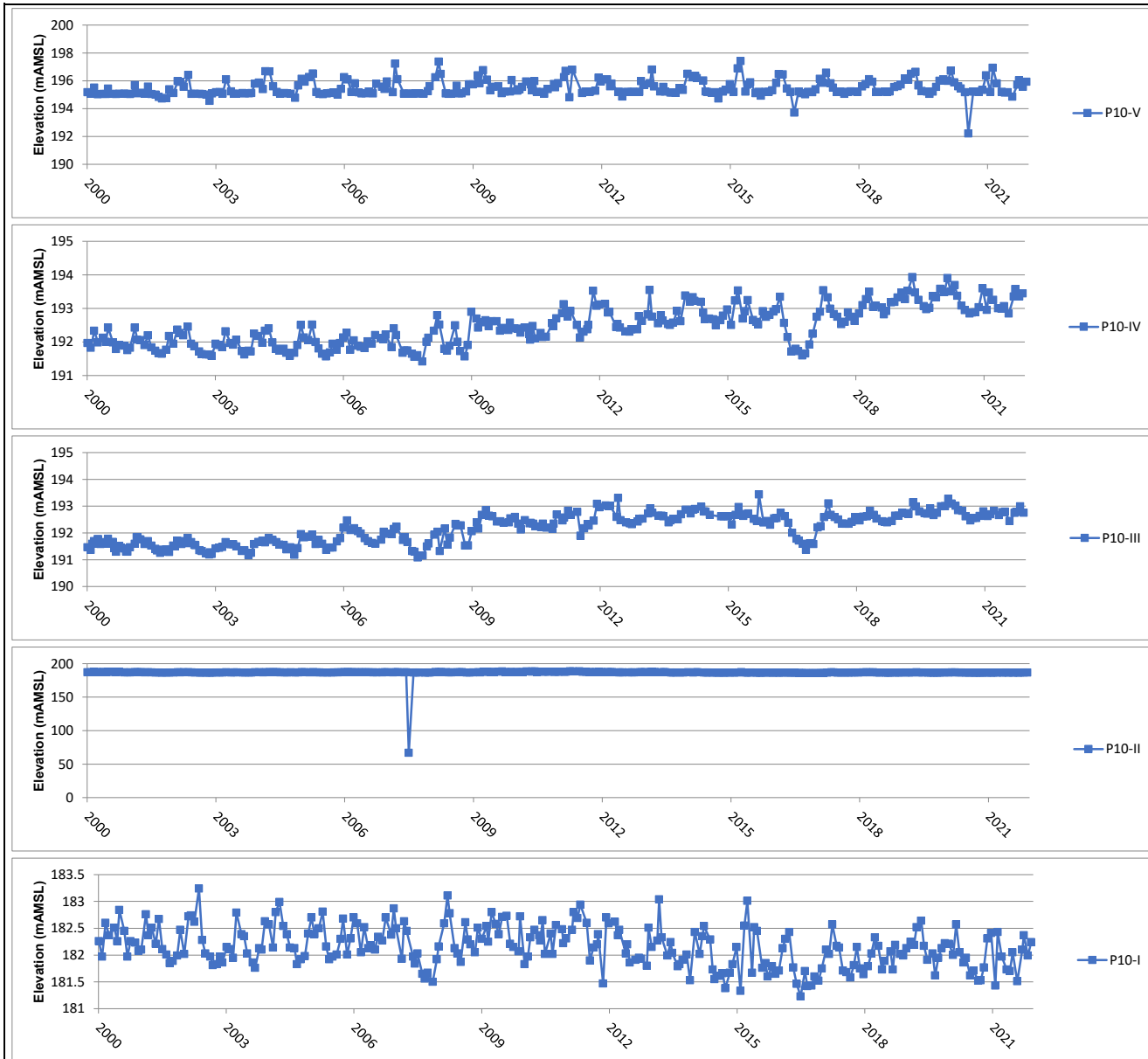
Appendix K.4 - Figure 59
M4 - Hydrographs
2021 Annual Monitoring Report
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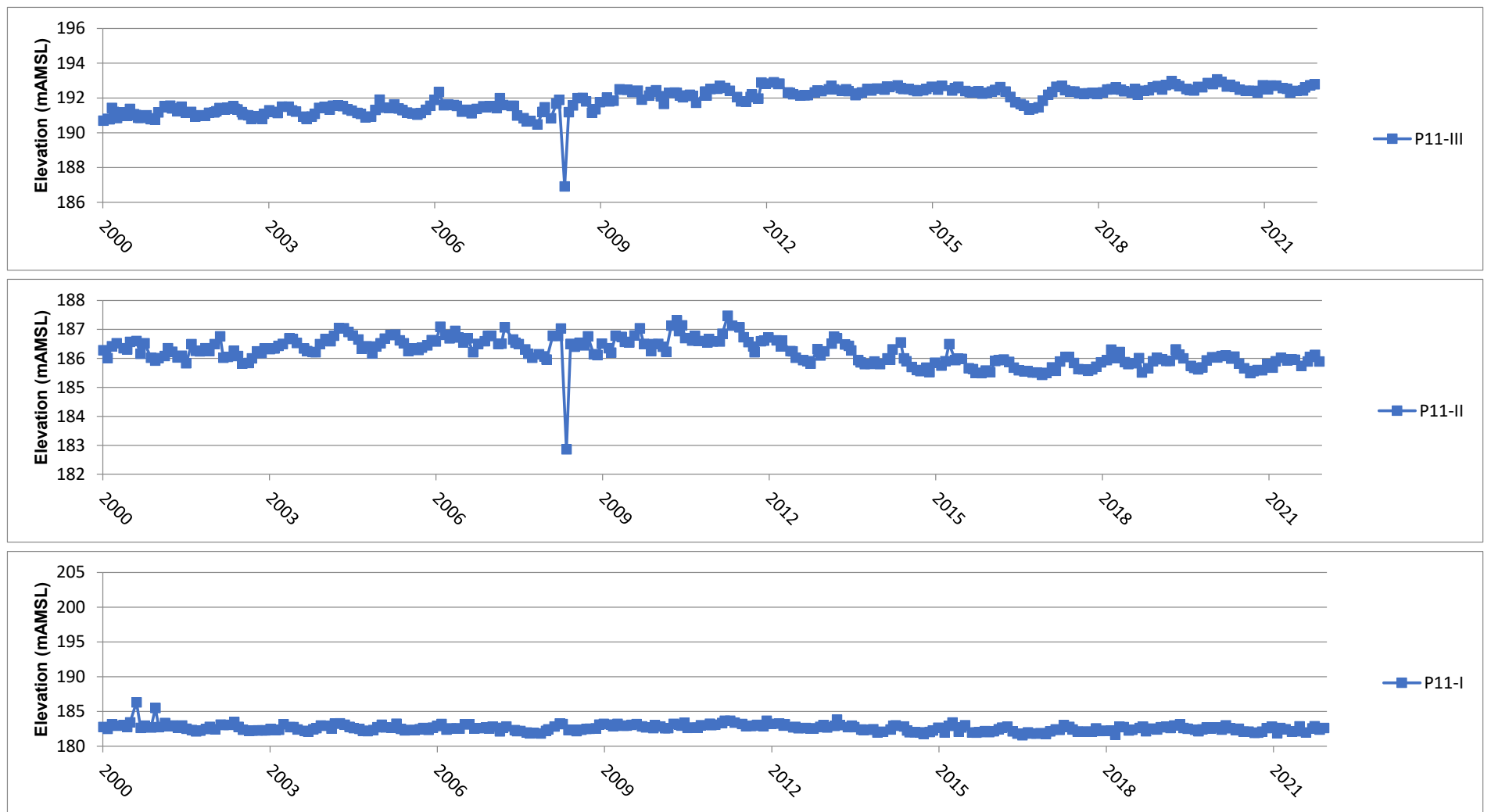
Appendix K.4 - Figure 60
M5 - Hydrographs
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Appendix K.4 - Figure 61
M5 Nest - Hydrographs
2021 Annual Monitoring Report
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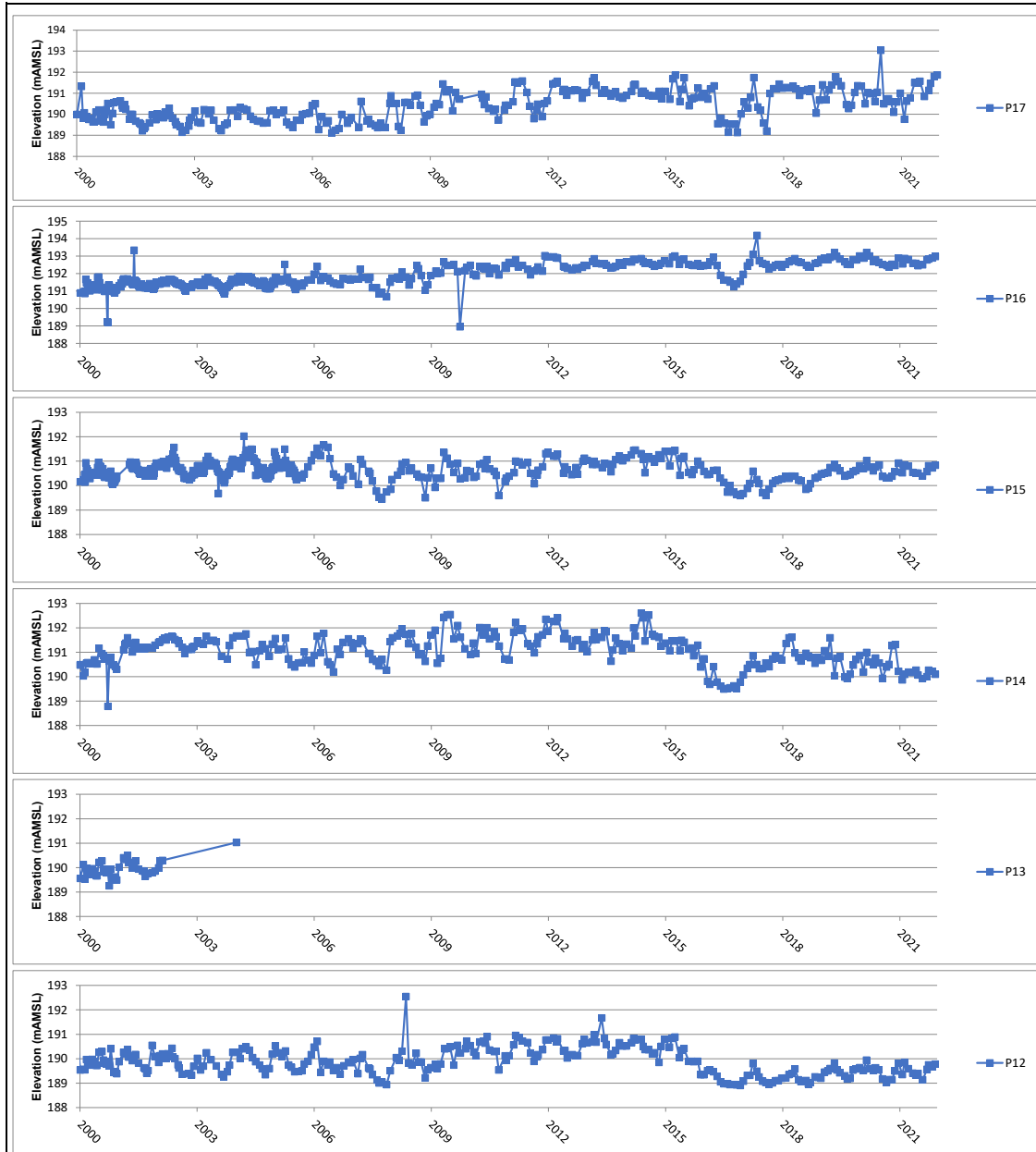


Appendix K.4 - Figure 62A
P1 Nest - Hydrographs
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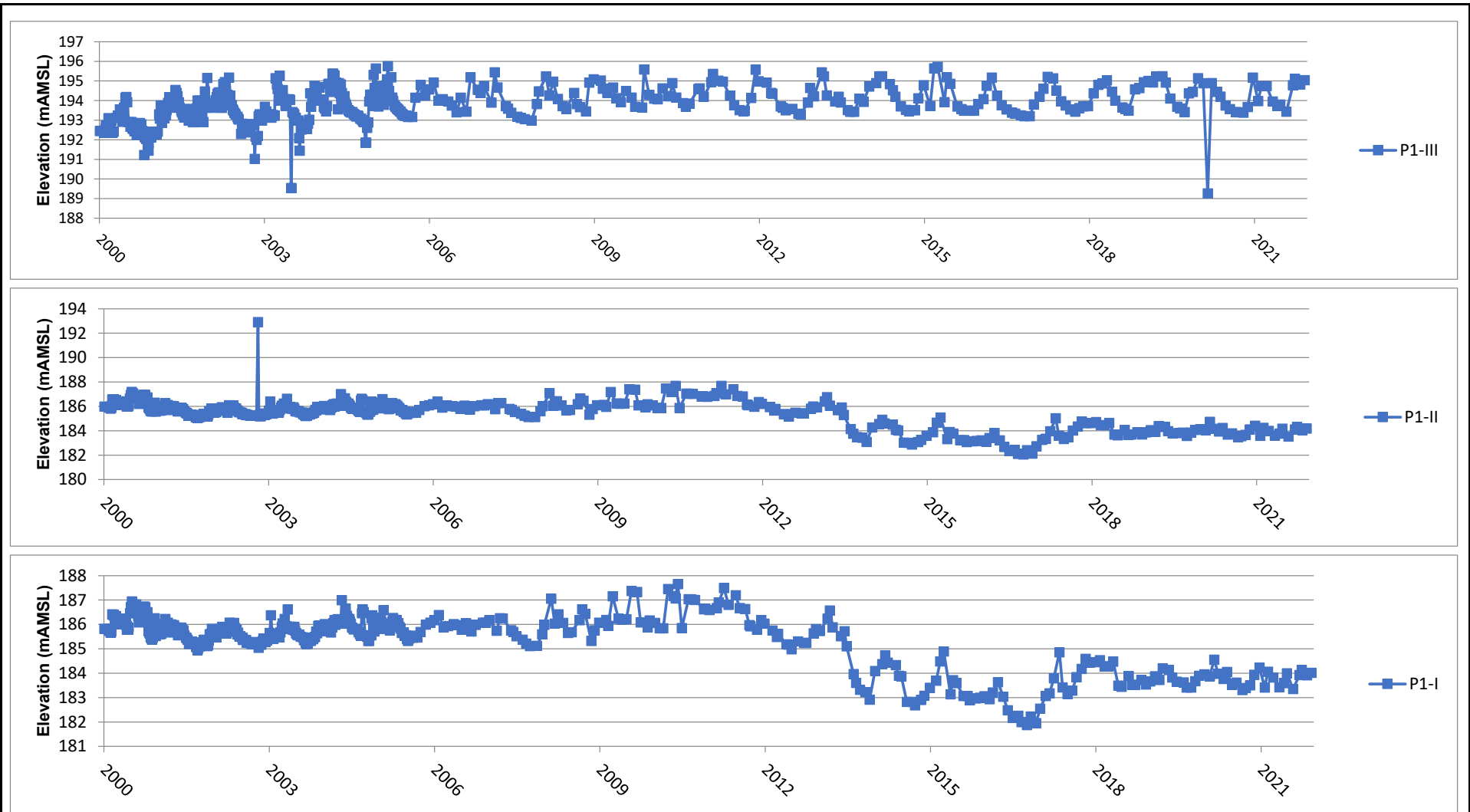


Appendix K.4 - Figure 62B
P1 Nest - Hydrographs
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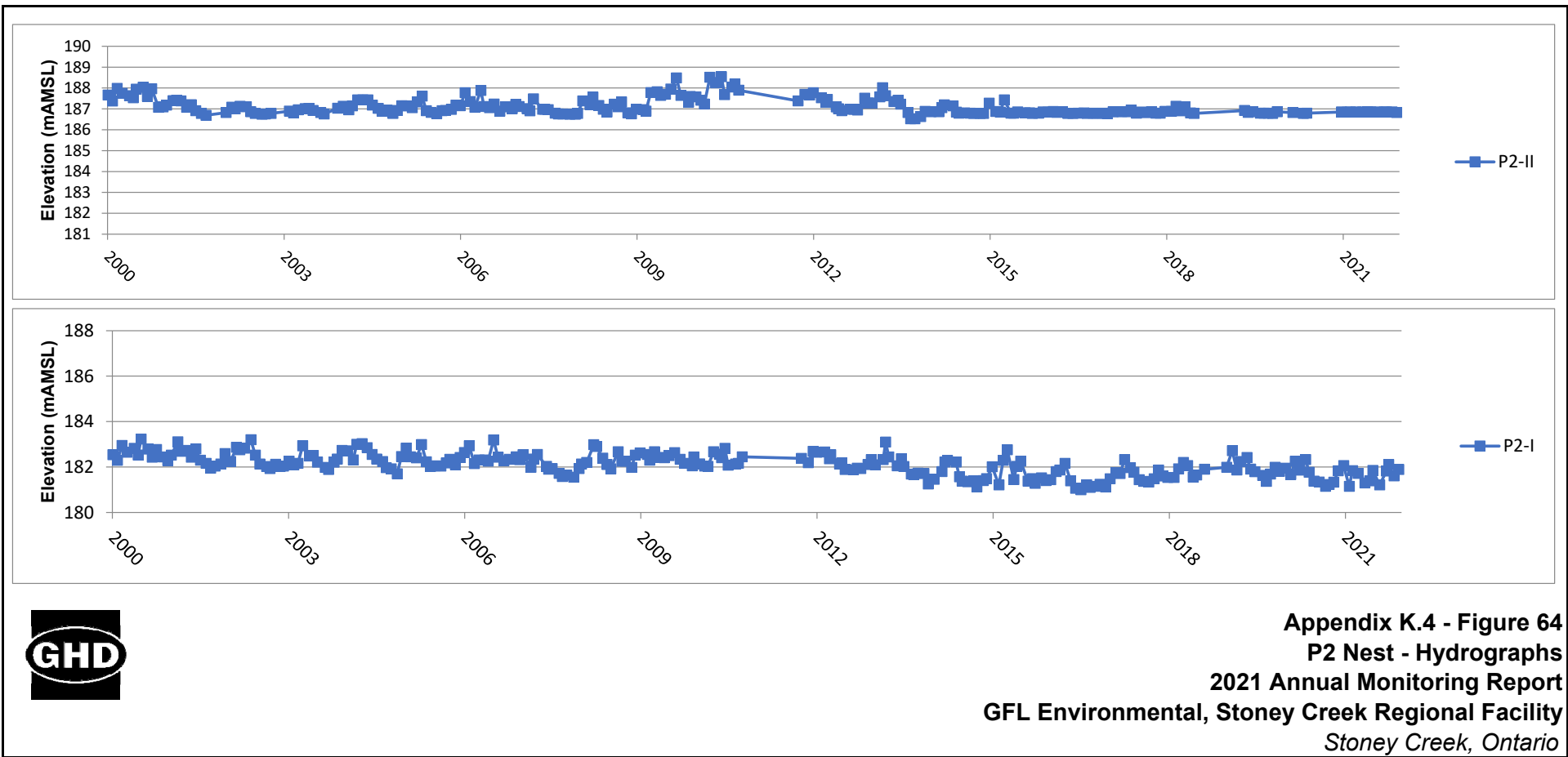




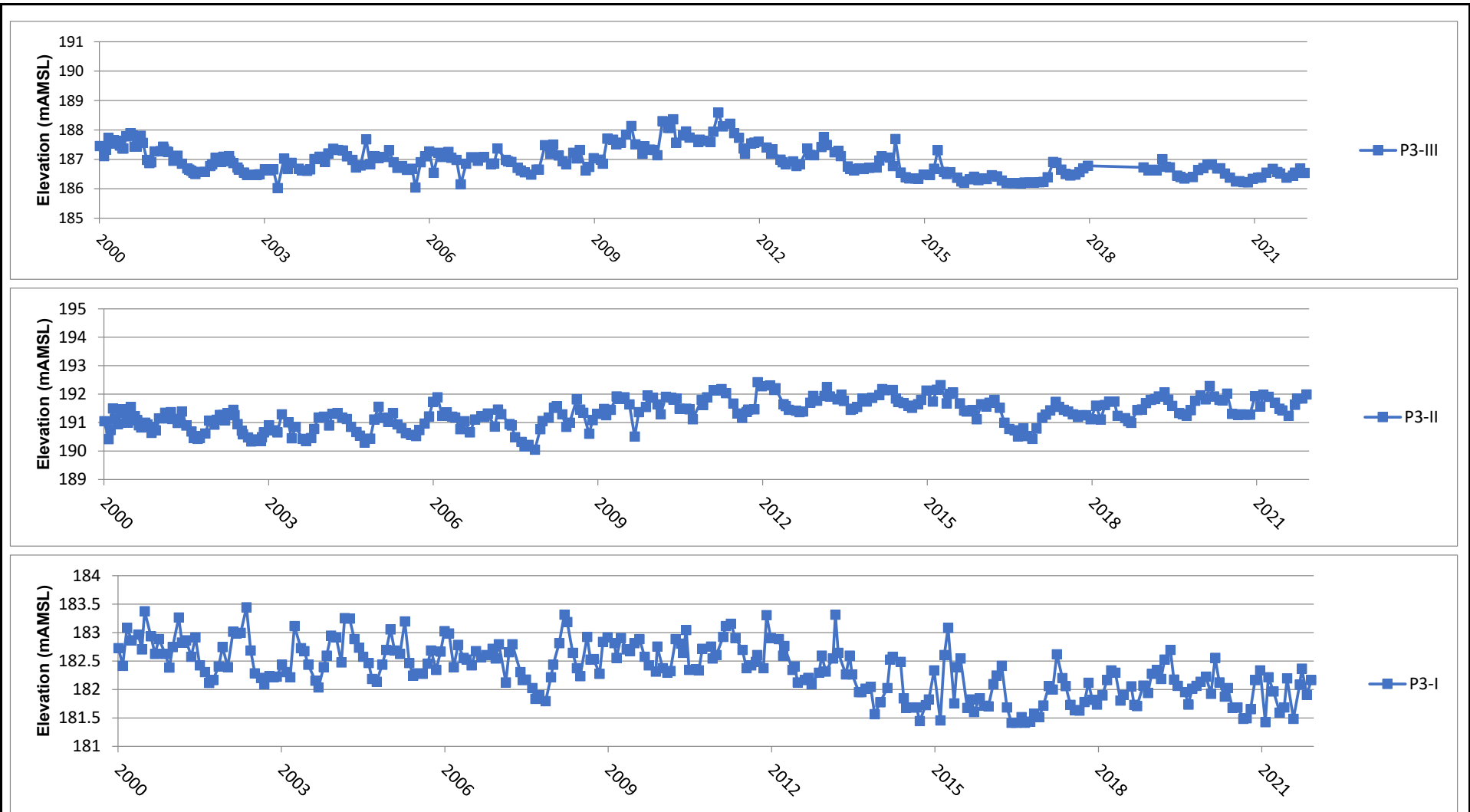
Appendix K.4 - Figure 62C
 P12 through P17 - Hydrographs
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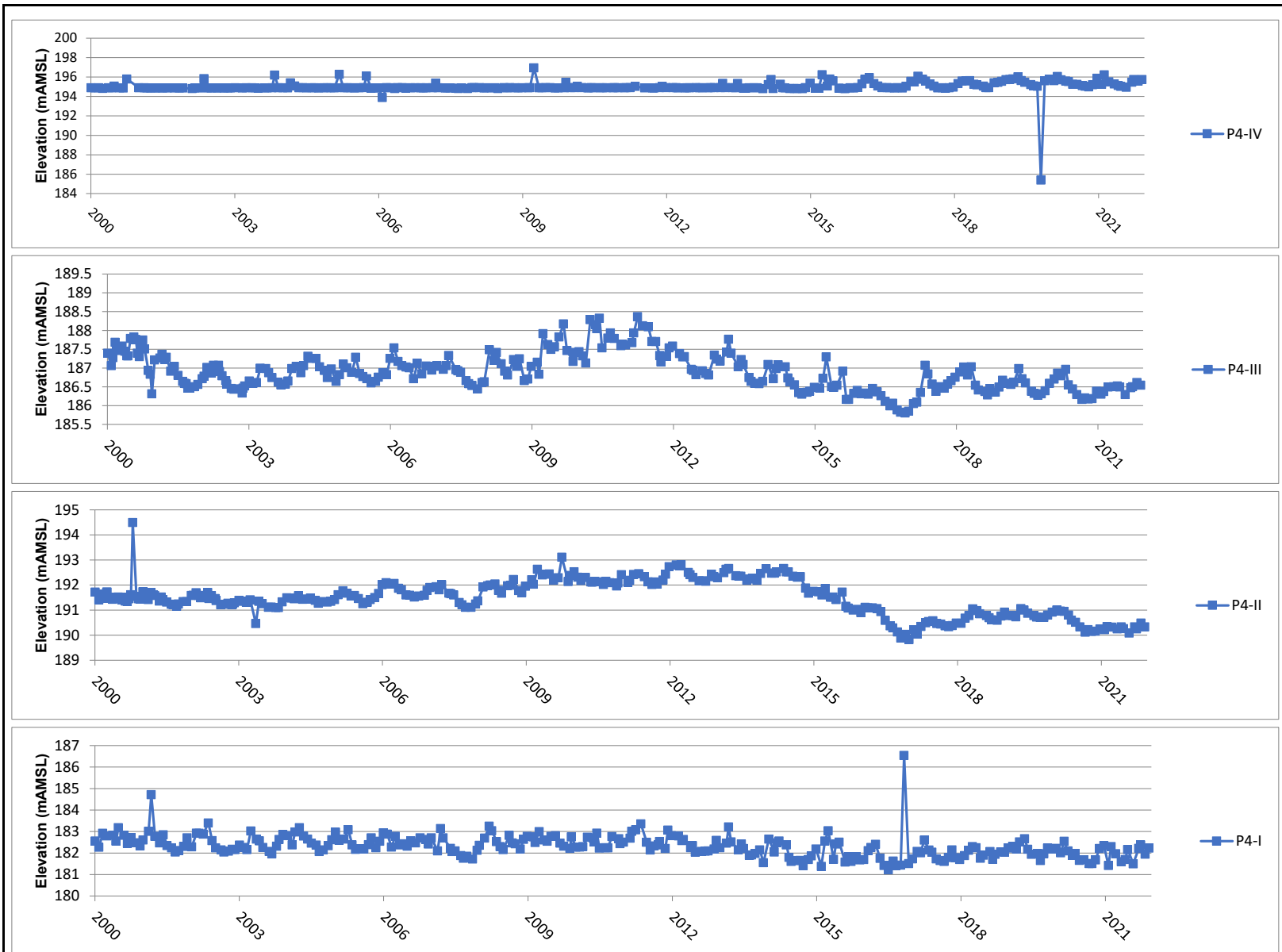
Appendix K.4 - Figure 63
P1-III - Hydrographs
2021 Annual Monitoring Report
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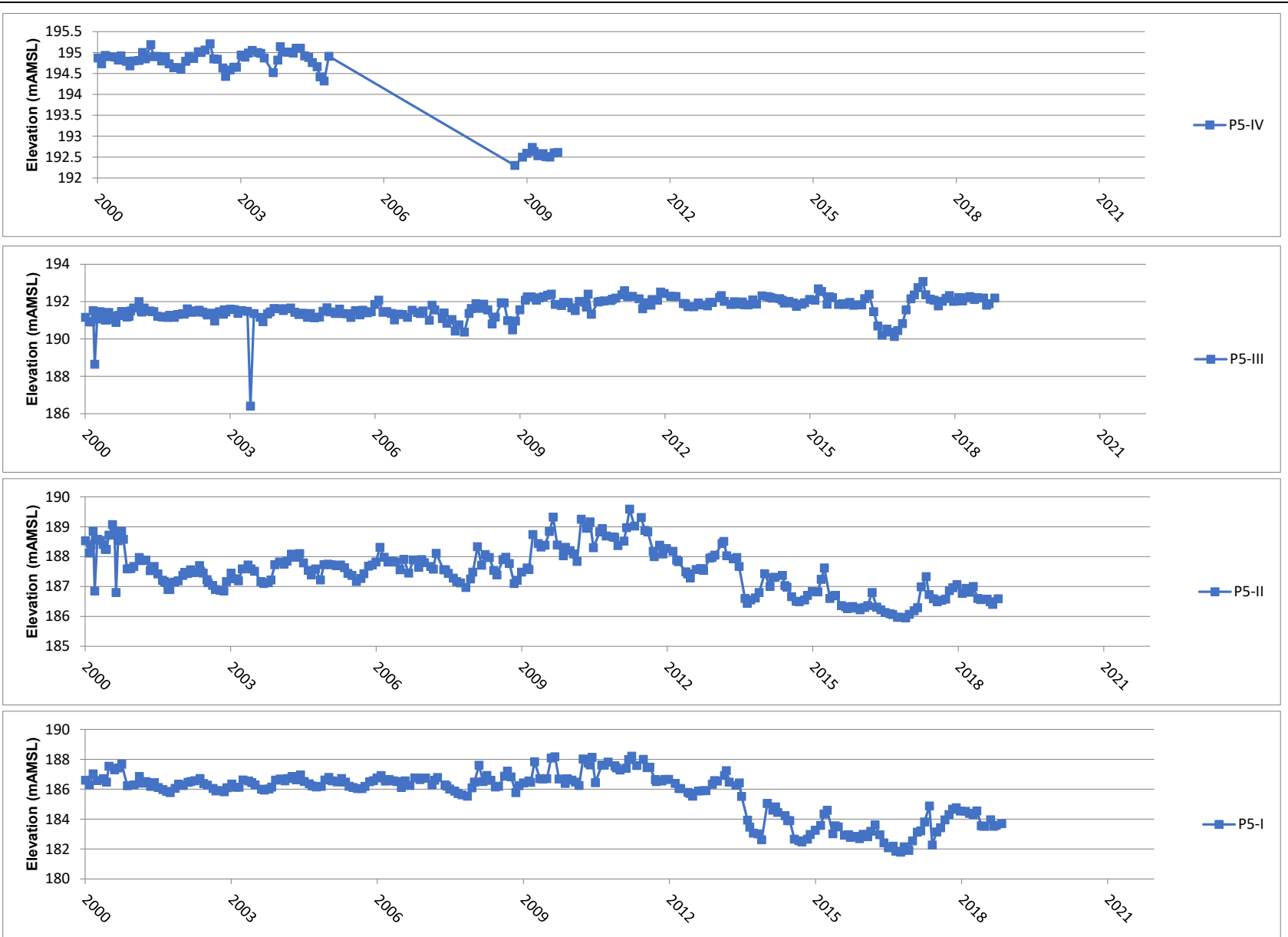
Appendix K.4 - Figure 64
P2 Nest - Hydrographs
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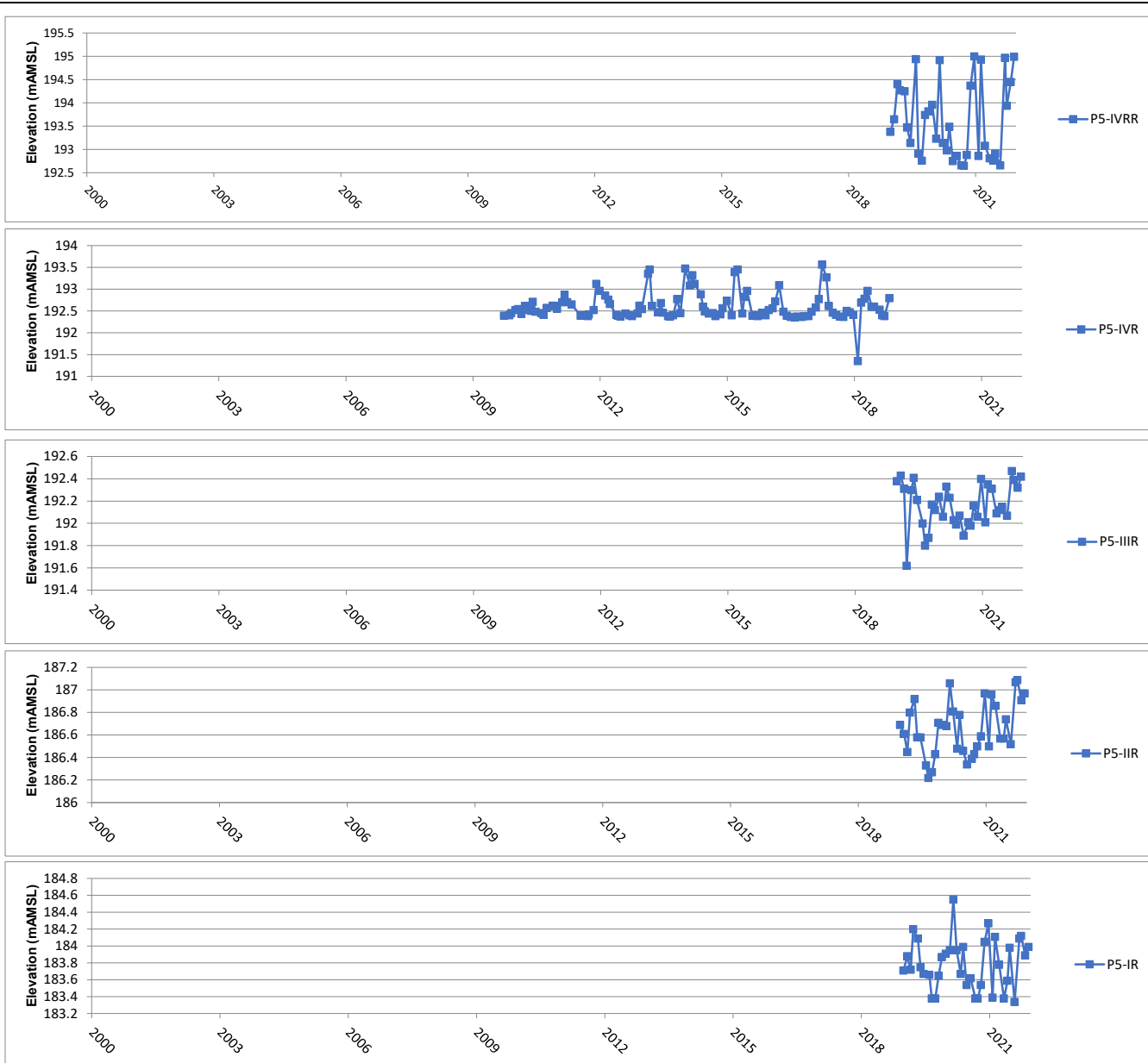
Appendix K.4 - Figure 65
P3 Nest - Hydrographs
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Appendix K.4 - Figure 66
P4 Nest - Hydrographs
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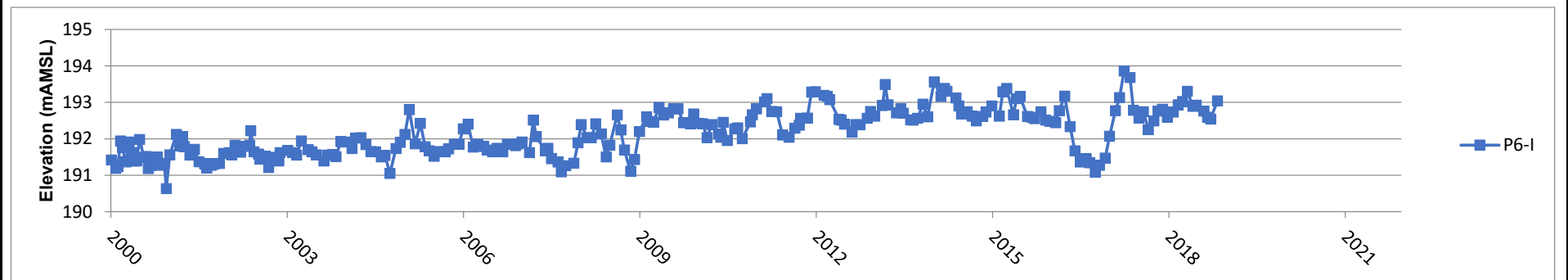


Appendix K.4 - Figure 67
P5 Nest - Hydrographs
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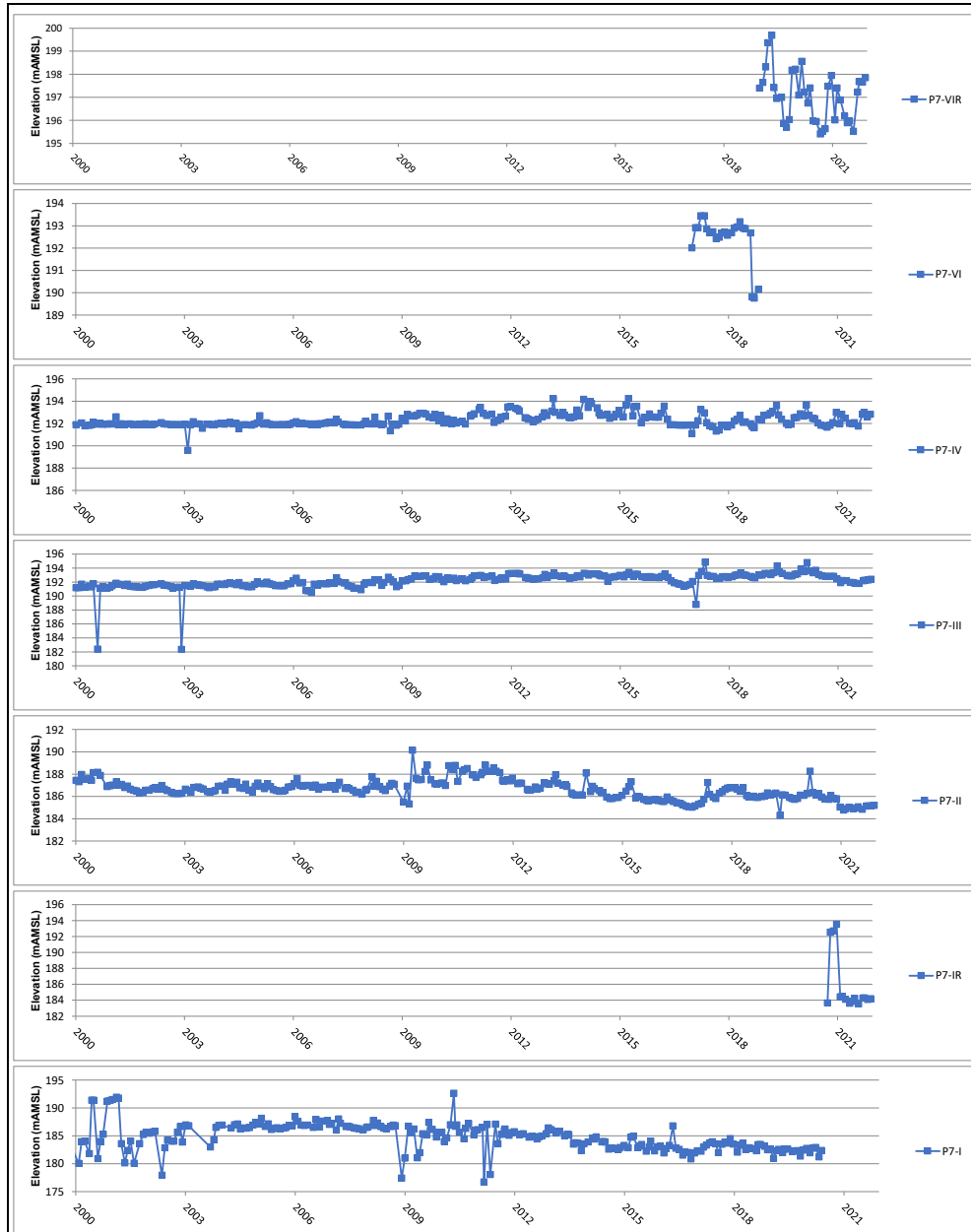


Appendix K.4 - Figure 68
P5R Nest - Hydrographs
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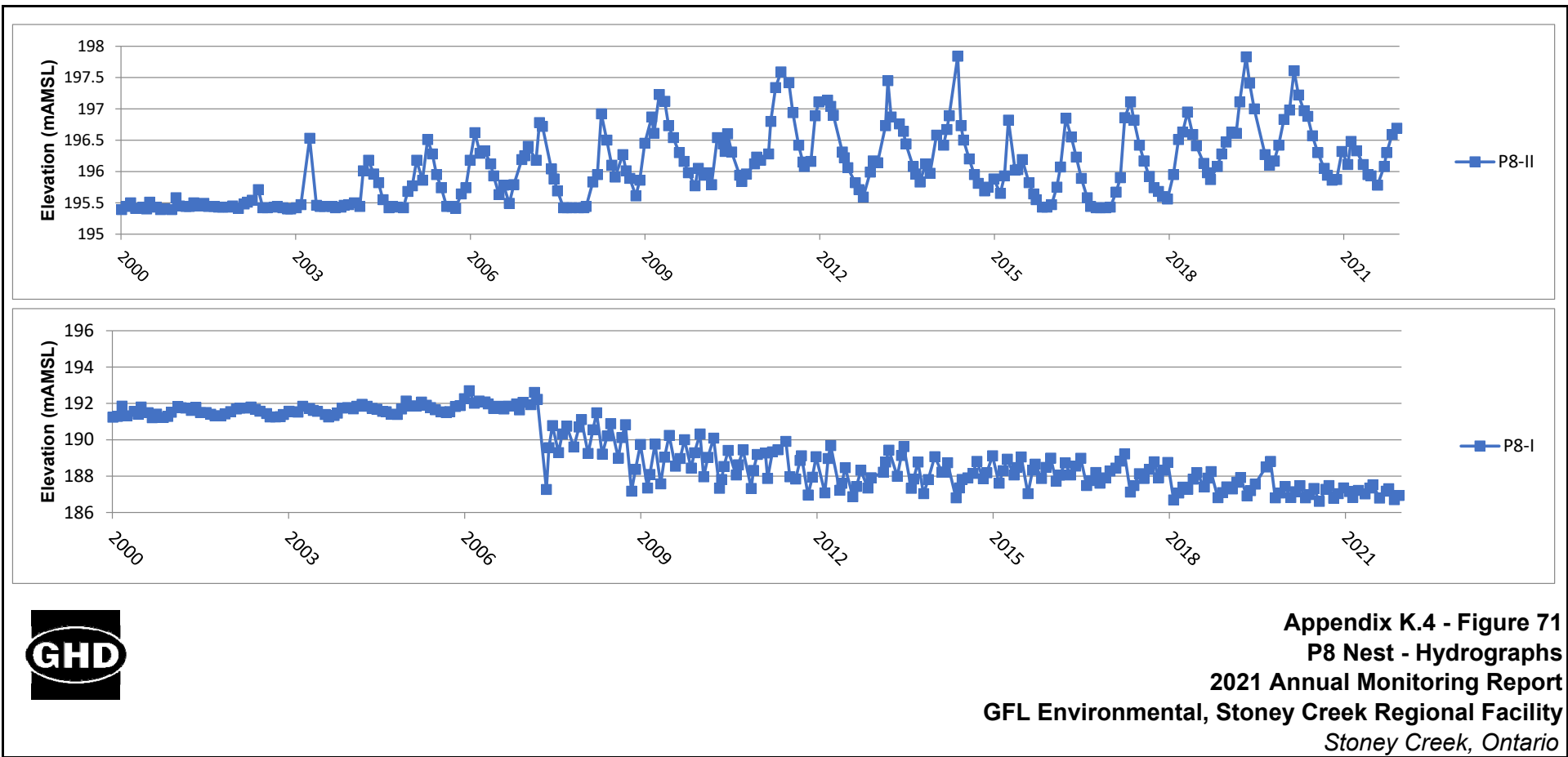


Appendix K.4 - Figure 69
P6 Nest - Hydrographs
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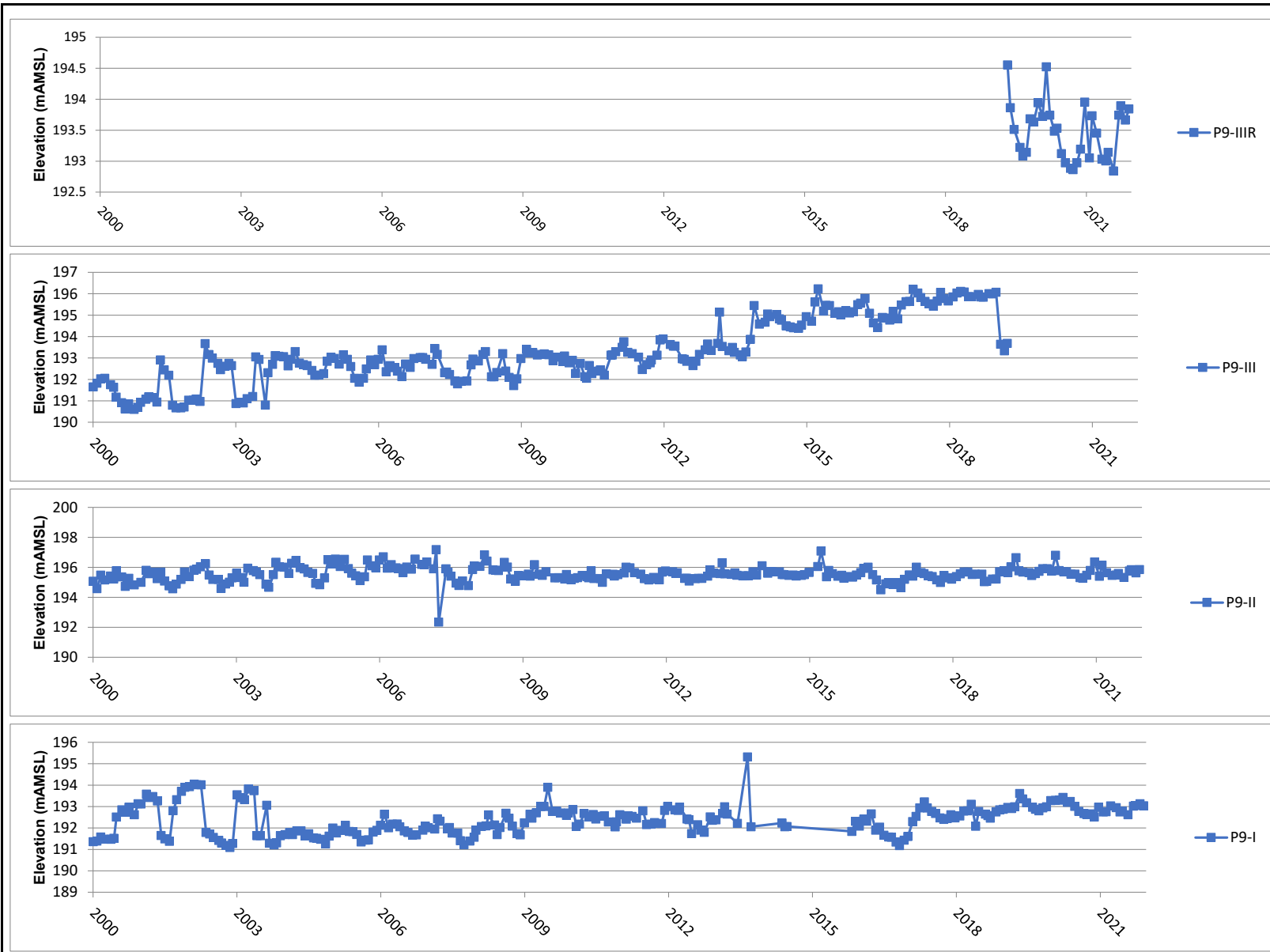


Appendix K.4 - Figure 70
P7 Nest - Hydrographs
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Appendix K.4 - Figure 71
 P8 Nest - Hydrographs
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Appendix K.4 - Figure 72
P9 Nest - Hydrographs
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