Supplementary Material

## Supplementary Tables

**Supplementary Table 1.** The everyday average water supply volumes (mL) at each water treatment level.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | 100% | 90% | 80% | 70% | 60% |
| 2019.09.01 | 2089  | 1819  | 1566  | 1328  | 1104  |
| 2019.09.02 | 216  | 143  | 141  | 93  | 82  |
| 2019.09.03 | 269  | 203  | 161  | 135  | 119  |
| 2019.09.04 | 337  | 276  | 235  | 215  | 185  |
| 2019.09.05 | 290  | 198  | 185  | 179  | 175  |
| 2019.09.06 | 282  | 296  | 233  | 188  | 150  |
| 2019.09.07 | 387  | 244  | 182  | 172  | 176  |
| 2019.09.08 | 304  | 290  | 218  | 201  | 196  |
| 2019.09.09 | 290  | 308  | 264  | 222  | 198  |
| 2019.09.10 | 296  | 310  | 278  | 218  | 185  |
| 2019.09.11 | 269  | 270  | 225  | 177  | 149  |
| 2019.09.12 | 211  | 282  | 211  | 212  | 240  |
| 2019.09.13 | 361  | 378  | 336  | 313  | 261  |
| 2019.09.14 | 321  | 353  | 303  | 262  | 218  |
| 2019.09.15 | 276  | 270  | 228  | 179  | 147  |
| 2019.09.16 | 278  | 259  | 230  | 202  | 156  |
| 2019.09.17 | 269  | 231  | 253  | 224  | 176  |
| 2019.09.18 | 305  | 355  | 307  | 286  | 200  |
| 2019.09.19 | 283  | 235  | 226  | 224  | 130  |
| 2019.09.20 | 296  | 250  | 270  | 259  | 142  |
| 2019.09.21 | 210  | 212  | 240  | 237  | 149  |
| 2019.09.22 | 210  | 220  | 202  | 246  | 133  |
| 2019.09.23 | 204  | 263  | 251  | 234  | 163  |
| 2019.09.24 | 209  | 272  | 260  | 237  | 161  |
| 2019.09.25 | 293  | 253  | 260  | 256  | 153  |
| 2019.09.26 | 246  | 224  | 284  | 223  | 143  |
| 2019.09.27 | 228  | 217  | 268  | 239  | 129  |
| 2019.09.28 | 304  | 350  | 283  | 239  | 158  |
| 2019.09.29 | 274  | 309  | 244  | 173  | 113  |
| 2019.09.30 | 268  | 297  | 247  | 105  | 151  |
| 2019.10.01 | 254  | 289  | 236  | 196  | 150  |
| 2019.10.02 | 272  | 304  | 241  | 179  | 94  |
| 2019.10.03 | 235  | 272  | 202  | 100  | 96  |
| 2019.10.04 | 287  | 209  | 197  | 108  | 94  |
| 2019.10.05 | 236  | 269  | 194  | 128  | 96  |
| 2019.10.06 | 275  | 303  | 246  | 176  | 87  |
| 2019.10.07 | 302  | 347  | 280  | 218  | 128  |
| 2019.10.08 | 256  | 295  | 139  | 196  | 99  |
| 2019.10.09 | 245  | 280  | 114  | 178  | 93  |
| 2019.10.10 | 212  | 241  | 195  | 164  | 98  |
| 2019.10.11 | 239  | 285  | 205  | 162  | 84  |
| 2019.10.12 | 276  | 310  | 247  | 185  | 107  |
| 2019.10.13 | 334  | 379  | 300  | 240  | 142  |
| 2019.10.14 | 236  | 270  | 219  | 165  | 137  |
| 2019.10.15 | 194  | 223  | 173  | 116  | 51  |
| 2019.10.16 | 247  | 283  | 235  | 176  | 95  |
| 2019.10.17 | 207  | 250  | 196  | 131  | 92  |
| 2019.10.18 | 225  | 263  | 215  | 158  | 96  |
| 2019.10.19 | 276  | 312  | 263  | 185  | 105  |
| 2019.10.20 | 185  | 215  | 174  | 126  | 67  |
| 2019.10.21 | 144  | 283  | 229  | 186  | 45  |
| 2019.10.22 | 212  | 252  | 203  | 139  | 76  |
| 2019.10.23 | 286  | 323  | 277  | 200  | 115  |
| 2019.10.24 | 214  | 254  | 200  | 145  | 90  |
| 2019.10.25 | 156  | 296  | 239  | 187  | 45  |
| 2019.10.26 | 135  | 161  | 221  | 182  | 40  |
| 2019.10.27 | 224  | 263  | 211  | 163  | 90  |
| 2019.10.28 | 250  | 280  | 229  | 173  | 90  |
| 2019.10.29 | 234  | 272  | 222  | 164  | 94  |
| 2019.10.30 | 188  | 282  | 195  | 134  | 74  |
| 2019.10.31 | 158  | 158  | 238  | 127  | 62  |
| 2019.11.01 | 152  | 176  | 154  | 98  | 47  |
| 2019.11.02 | 244  | 266  | 231  | 156  | 86  |
| 2019.11.03 | 253  | 292  | 258  | 167  | 92  |
| 2019.11.04 | 220  | 248  | 214  | 156  | 74  |
| 2019.11.05 | 175  | 186  | 178  | 112  | 68  |
| 2019.11.06 | 268  | 288  | 241  | 173  | 94  |
| 2019.11.07 | 215  | 238  | 200  | 129  | 67  |
| 2019.11.08 | 168  | 253  | 162  | 144  | 91  |
| 2019.11.09 | 147  | 198  | 132  | 116  | 74  |
| 2019.11.10 | 183  | 190  | 178  | 157  | 93  |
| 2019.11.11 | 209  | 231  | 186  | 158  | 89  |
| 2019.11.12 | 173  | 190  | 156  | 140  | 82  |
| 2019.11.13 | 185  | 196  | 152  | 139  | 76  |
| 2019.11.14 | 190  | 212  | 183  | 138  | 84  |
| 2019.11.15 | 212  | 239  | 203  | 141  | 85  |
| 2019.11.16 | 242  | 266  | 220  | 164  | 93  |
| 2019.11.17 | 189  | 205  | 180  | 134  | 79  |
| 2019.11.18 | 265  | 290  | 232  | 184  | 138  |
| 2019.11.19 | 269  | 292  | 228  | 187  | 141  |
| 2019.11.20 | 173  | 204  | 155  | 111  | 70  |
| 2019.11.21 | 161  | 195  | 226  | 100  | 63  |
| 2019.11.22 | 233  | 253  | 202  | 162  | 96  |
| 2019.11.23 | 239  | 273  | 213  | 186  | 128  |
| 2019.11.24 | 122  | 157  | 100  | 65  | 38  |
| 2019.11.25 | 83  | 115  | 71  | 48  | 25  |
| 2019.11.26 | 154  | 190  | 138  | 95  | 53  |
| 2019.11.27 | 220  | 252  | 195  | 140  | 94  |
| 2019.11.28 | 65  | 89  | 64  | 72  | 32  |
| 2019.11.29 | 118  | 131  | 107  | 74  | 39  |
| 2019.11.30 | 142  | 159  | 118  | 87  | 43  |
| 2019.12.01 | 85  | 104  | 74  | 45  | 28  |
| 2019.12.02 | 127  | 146  | 104  | 69  | 38  |
| 2019.12.03 | 76  | 92  | 68  | 49  | 32  |
| 2019.12.04 | 122  | 143  | 104  | 75  | 44  |
| 2019.12.05 | 126  | 143  | 116  | 83  | 49  |
| 2019.12.06 | 94  | 106  | 88  | 61  | 37  |
| 2019.12.07 | 78  | 86  | 71  | 46  | 34  |
| 2019.12.08 | 125  | 144  | 115  | 80  | 55  |
| 2019.12.09 | 73  | 82  | 64  | 43  | 29  |
| 2019.12.10 | 70  | 78  | 62  | 45  | 28  |
| 2019.12.11 | 152  | 97  | 81  | 74  | 99  |
| 2019.12.12 | 144  | 143  | 120  | 100  | 45  |
| 2019.12.13 | 124  | 465  | 109  | 88  | 37  |
| 2019.12.14 | 110  | 114  | 93  | 87  | 42  |
| 2019.12.15 | 125  | 131  | 106  | 85  | 36  |
| 2019.12.16 | 124  | 140  | 101  | 86  | 46  |
| 2019.12.17 | 130  | 146  | 114  | 75  | 42  |
| 2019.12.18 | 110  | 115  | 100  | 80  | 36  |
| 2019.12.19 | 113  | 92  | 97  | 77  | 36  |
| 2019.12.20 | 123  | 115  | 102  | 81  | 41  |
| 2019.12.21 | 119  | 128  | 99  | 80  | 41  |
| 2019.12.22 | 70  | 75  | 64  | 46  | 31  |
| 2019.12.23 | 105  | 123  | 95  | 68  | 34  |
| 2019.12.24 | 60  | 71  | 57  | 45  | 30  |
| 2019.12.25 | 45  | 47  | 38  | 26  | 14  |
| 2019.12.26 | 47  | 54  | 32  | 39  | 16  |
| 2019.12.27 | 120  | 157  | 123  | 89  | 45  |
| 2019.12.28 | 116  | 130  | 86  | 74  | 43  |
| 2019.12.29 | 45  | 53  | 41  | 26  | 19  |
| 2019.12.30 | 57  | 62  | 53  | 41  | 23  |
| 2019.12.31 | 91  | 98  | 85  | 68  | 40  |
| 2020.01.01 | 106  | 112  | 99  | 74  | 41  |
| 2020.01.02 | 39  | 42  | 45  | 33  | 27  |
| 2020.01.03 | 26  | 32  | 10  | 8  | 5  |
| 2020.01.04 | 45  | 49  | 40  | 29  | 16  |
| 2020.01.05 | 95  | 107  | 90  | 72  | 47  |
| 2020.01.06 | 112  | 125  | 101  | 80  | 54  |
| 2020.01.07 | 63  | 71  | 58  | 41  | 23  |
| 2020.01.08 | 103  | 116  | 82  | 62  | 31  |
| 2020.01.09 | 54  | 63  | 48  | 32  | 18  |
| 2020.01.10 | 106  | 114  | 96  | 67  | 36  |
| 2020.01.11 | 49  | 54  | 43  | 30  | 15  |
| Total | 26842  | 29049  | 23977  | 19057  | 12491  |