

Table 5. Summary statistics for selected major chemical constituents for samples collected from ground- and surface-water sites at the Columbia/Eagle Bluffs Wetland Complex[Ca, calcium; Mg, magnesium; Na, sodium; K, potassium; Alk, alkalinity; SO₄, sulfate; Cl, chloride; --, no data; EB, Eagle Bluffs]

| | Ca Pre- effluent | Ca Post- effluent | Mg Pre- effluent | Mg Post- effluent | Na Pre- effluent | Na Post- effluent | K Pre- effluent | K Post- effluent | Alk Pre- effluent | Alk Post- effluent | SO ₄ Pre- effluent | SO ₄ Post- effluent | Cl Pre- effluent | Cl Post- effluent |
|---------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------------------|--------------------------------------|------------------------|-------------------------|
| MW1-1A | | | | | | | | | | | | | | |
| Minimum | 100 | 110 | 18 | 19 | 29 | 22 | 1.8 | 2.5 | 224 | 232 | 180 | 150 | 8.8 | 7.4 |
| Mean | 122 | 124 | 21 | 22 | 30 | 26 | 2.7 | 2.9 | 247 | 266 | 212 | 199 | 9.4 | 8.7 |
| Median | 130 | 120 | 22 | 22 | 30 | 27 | 2.9 | 2.9 | 250 | 256 | 210 | 195 | 9.2 | 8.7 |
| Maximum | 130 | 140 | 23 | 25 | 30 | 30 | 3.2 | 3.3 | 260 | 305 | 240 | 260 | 9.9 | 11 |
| MW1-1B | | | | | | | | | | | | | | |
| Minimum | 210 | 190 | 38 | 34 | 21 | 20 | 4.3 | 6.4 | 418 | 364 | 340 | 280 | 14 | 11 |
| Mean | 224 | 204 | 40 | 37 | 21 | 22 | 6.8 | 6.9 | 426 | 415 | 350 | 312 | 16 | 13 |
| Median | 220 | 200 | 40 | 37 | 21 | 22 | 7.1 | 6.9 | 427 | 415 | 350 | 315 | 15 | 13 |
| Maximum | 250 | 220 | 41 | 41 | 21 | 23 | 8.0 | 7.4 | 435 | 432 | 370 | 340 | 18 | 14 |
| MW1-2A | | | | | | | | | | | | | | |
| Minimum | 89 | 100 | 23 | 28 | 4.8 | 5.5 | 2.2 | 3.6 | 290 | 303 | 28 | 24 | 4.1 | 5.0 |
| Mean | 91 | 124 | 24 | 34 | 5.1 | 84 | 3.3 | 5.5 | 312 | 326 | 31 | 76 | 4.8 | 184 |
| Median | 90 | 120 | 23 | 33 | 5.1 | 90 | 3.4 | 5.8 | 316 | 326 | 32 | 72 | 4.5 | 200 |
| Maximum | 96 | 160 | 25 | 43 | 5.3 | 141 | 3.9 | 6.3 | 322 | 353 | 34 | 100 | 6.2 | 220 |
| MW1-2B | | | | | | | | | | | | | | |
| Minimum | 98 | 100 | 23 | 24 | 8.5 | 11 | 2.6 | 3.6 | 196 | 344 | 13 | 10 | 7.7 | 7.7 |
| Mean | 104 | 134 | 24 | 32 | 11 | 30 | 3.8 | 4.8 | 341 | 374 | 17 | 40 | 8.2 | 98 |
| Median | 100 | 145 | 24 | 34 | 12 | 14 | 4.0 | 4.7 | 376 | 375 | 16 | 46 | 7.9 | 100 |
| Maximum | 110 | 160 | 24 | 39 | 13 | 84 | 4.4 | 6.0 | 378 | 422 | 24 | 65 | 9.1 | 190 |
| MW1-3A | | | | | | | | | | | | | | |
| Minimum | 87 | 89 | 25 | 26 | 5.2 | 5.0 | 5.0 | 4.2 | 313 | 223 | 31 | 28 | 10 | 8.7 |
| Mean | 96 | 101 | 26 | 31 | 5.7 | 5.4 | 6.0 | 4.7 | 325 | 321 | 32 | 35 | 12 | 33 |
| Median | 92 | 100 | 26 | 32 | 5.7 | 5.4 | 6.1 | 4.6 | 329 | 327 | 32 | 37 | 10 | 35 |
| Maximum | 110 | 120 | 28 | 36 | 6.1 | 5.6 | 6.7 | 5.6 | 334 | 343 | 33 | 43 | 15 | 58 |

Table 5. Summary statistics for selected major chemical constituents for samples collected from ground- and surface-water sites at the Columbia/Eagle Bluffs Wetland Complex—Continued

[Ca, calcium; Mg, magnesium; Na, sodium; K, potassium; Alk, alkalinity; SO₄, sulfate; Cl, chloride; --, no data; EB, Eagle Bluffs]

| | Ca Pre- effluent | Ca Post- effluent | Mg Pre- effluent | Mg Post- effluent | Na Pre- effluent | Na Post- effluent | K Pre- effluent | K Post- effluent | Alk Pre- effluent | Alk Post- effluent | SO ₄ Pre- effluent | SO ₄ Post- effluent | Cl Pre- effluent | Cl Post- effluent |
|---------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------------------|--------------------------------------|------------------------|-------------------------|
| MW1-3B | | | | | | | | | | | | | | |
| Minimum | 94 | 88 | 21 | 20 | 4.5 | 4.5 | 3.3 | 2.9 | 274 | 298 | 24 | 21 | 7.0 | 5.6 |
| Mean | 97 | 103 | 22 | 25 | 4.9 | 5.0 | 3.5 | 3.3 | 315 | 318 | 26 | 26 | 7.4 | 28 |
| Median | 95 | 95 | 22 | 22 | 4.9 | 4.8 | 3.5 | 3.2 | 325 | 315 | 26 | 24 | 7.4 | 7.1 |
| Maximum | 100 | 130 | 24 | 34 | 5.4 | 6.2 | 3.6 | 3.8 | 333 | 349 | 29 | 37 | 7.8 | 88 |
| MW1-4A | | | | | | | | | | | | | | |
| Minimum | 100 | 110 | 22 | 25 | 17 | 17 | 1.7 | 1.4 | 171 | 276 | 38 | 64 | 6.0 | 4.8 |
| Mean | 108 | 120 | 24 | 27 | 18 | 19 | 1.8 | 1.7 | 343 | 377 | 50 | 71 | 7.5 | 5.9 |
| Median | 110 | 120 | 23 | 27 | 18 | 19 | 1.8 | 1.7 | 365 | 384 | 48 | 71 | 7.5 | 5.7 |
| Maximum | 120 | 130 | 26 | 29 | 20 | 20 | 2.2 | 1.9 | 383 | 397 | 64 | 77 | 9.8 | 8.0 |
| MW1-4B | | | | | | | | | | | | | | |
| Minimum | 76 | 79 | 16 | 16 | 13 | 13 | 3.7 | 3.4 | 300 | 305 | .1 | .1 | 2.4 | 2.2 |
| Mean | 83 | 84 | 18 | 18 | 14 | 15 | 4.0 | 3.8 | 324 | 331 | .4 | 7.8 | 3.5 | 2.6 |
| Median | 83 | 85 | 18 | 18 | 14 | 14 | 3.9 | 3.9 | 330 | 334 | .3 | .2 | 2.9 | 2.4 |
| Maximum | 94 | 93 | 19 | 21 | 15 | 20 | 4.9 | 4.0 | 336 | 342 | 1.5 | 39 | 5.6 | 4.3 |
| MW2-1A | | | | | | | | | | | | | | |
| Minimum | 110 | 110 | 25 | 24 | 3.1 | 3.2 | 2.2 | 2.0 | 342 | 370 | 21 | 7.5 | 4.0 | 4.4 |
| Mean | 120 | 122 | 26 | 27 | 5.1 | 4.1 | 2.7 | 2.6 | 380 | 415 | 25 | 15 | 4.9 | 5.7 |
| Median | 120 | 120 | 26 | 27 | 4.2 | 3.9 | 2.8 | 2.7 | 394 | 417 | 24 | 14 | 4.6 | 5.5 |
| Maximum | 130 | 130 | 27 | 29 | 11 | 5.6 | 3.1 | 3.0 | 410 | 448 | 32 | 24 | 7.1 | 7.2 |
| MW2-1B | | | | | | | | | | | | | | |
| Minimum | 120 | 120 | 26 | 25 | 7.0 | 7.0 | 2.8 | 4.4 | 365 | 318 | 13 | .2 | 5.1 | 2.8 |
| Mean | 129 | 132 | 27 | 28 | 7.5 | 9.0 | 4.5 | 4.9 | 423 | 462 | 15 | 4.5 | 6.5 | 6.4 |
| Median | 130 | 130 | 27 | 28 | 7.5 | 8.2 | 4.6 | 5.0 | 441 | 458 | 16 | 2.7 | 6.0 | 6.5 |
| Maximum | 130 | 140 | 28 | 31 | 8.0 | 12 | 4.9 | 5.4 | 455 | 514 | 17 | 25 | 8.6 | 7.7 |

Table 5. Summary statistics for selected major chemical constituents for samples collected from ground- and surface-water sites at the Columbia/Eagle Bluffs Wetland Complex—Continued[Ca, calcium; Mg, magnesium; Na, sodium; K, potassium; Alk, alkalinity; SO₄, sulfate; Cl, chloride; --, no data; EB, Eagle Bluffs]

| | Ca Pre- effluent | Ca Post- effluent | Mg Pre- effluent | Mg Post- effluent | Na Pre- effluent | Na Post- effluent | K Pre- effluent | K Post- effluent | Alk Pre- effluent | Alk Post- effluent | SO ₄ Pre- effluent | SO ₄ Post- effluent | Cl Pre- effluent | Cl Post- effluent |
|---------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------------------|--------------------------------------|------------------------|-------------------------|
| MW2-2A | | | | | | | | | | | | | | |
| Minimum | -- | 49 | -- | 11 | -- | 5.0 | -- | 1.8 | -- | 195 | -- | .1 | -- | 4.3 |
| Mean | -- | 55 | -- | 12 | -- | 6.0 | -- | 2.3 | -- | 207 | -- | 3.5 | -- | 7.0 |
| Median | -- | 56 | -- | 12 | -- | 6.0 | -- | 2.3 | -- | 205 | -- | .8 | -- | 7.1 |
| Maximum | -- | 73 | -- | 14 | -- | 6.7 | -- | 2.9 | -- | 237 | -- | 28 | -- | 9.0 |
| MW2-2B | | | | | | | | | | | | | | |
| Minimum | -- | 48 | -- | 11 | -- | 4.6 | -- | 2.4 | -- | 203 | -- | 23 | -- | 4.0 |
| Mean | -- | 75 | -- | 15 | -- | 5.1 | -- | 2.8 | -- | 240 | -- | 26 | -- | 4.8 |
| Median | -- | 75 | -- | 15 | -- | 5.0 | -- | 2.8 | -- | 233 | -- | 27 | -- | 4.7 |
| Maximum | -- | 89 | -- | 18 | -- | 5.4 | -- | 3.4 | -- | 277 | -- | 29 | -- | 6.9 |
| MW3-1A | | | | | | | | | | | | | | |
| Minimum | -- | 120 | -- | 19 | -- | 6.0 | -- | 4.6 | -- | 349 | -- | 29 | -- | 1.8 |
| Mean | -- | 127 | -- | 21 | -- | 6.6 | -- | 5.1 | -- | 390 | -- | 38 | -- | 4.9 |
| Median | -- | 130 | -- | 21 | -- | 6.6 | -- | 5.2 | -- | 390 | -- | 39 | -- | 5.1 |
| Maximum | -- | 150 | -- | 25 | -- | 8.1 | -- | 5.8 | -- | 447 | -- | 49 | -- | 9.3 |
| MW3-1B | | | | | | | | | | | | | | |
| Minimum | -- | 110 | -- | 24 | -- | 6.9 | -- | 3.9 | -- | 317 | -- | 17 | -- | 3.5 |
| Mean | -- | 118 | -- | 26 | -- | 7.3 | -- | 4.4 | -- | 399 | -- | 21 | -- | 4.7 |
| Median | -- | 120 | -- | 26 | -- | 7.3 | -- | 4.3 | -- | 404 | -- | 21 | -- | 4.9 |
| Maximum | -- | 130 | -- | 28 | -- | 8.0 | -- | 4.7 | -- | 432 | -- | 26 | -- | 5.6 |
| MW4-1A | | | | | | | | | | | | | | |
| Minimum | 110 | 110 | 30 | 33 | 5.0 | 7.6 | 3.2 | 5.0 | 231 | 366 | 2.1 | 6.3 | 1.2 | 2.6 |
| Mean | 123 | 141 | 36 | 40 | 7.3 | 9.0 | 5.3 | 5.8 | 426 | 537 | 12 | 24 | 2.9 | 4.2 |
| Median | 120 | 140 | 37 | 40 | 7.9 | 9.0 | 5.6 | 5.9 | 436 | 543 | 11 | 20 | 2.5 | 3.1 |
| Maximum | 140 | 160 | 42 | 42 | 8.9 | 10 | 6.0 | 6.4 | 531 | 602 | 22 | 91 | 7.1 | 15 |

Table 5. Summary statistics for selected major chemical constituents for samples collected from ground- and surface-water sites at the Columbia/Eagle Bluffs Wetland Complex—Continued

[Ca, calcium; Mg, magnesium; Na, sodium; K, potassium; Alk, alkalinity; SO₄, sulfate; Cl, chloride; --, no data; EB, Eagle Bluffs]

| | Ca Pre- effluent | Ca Post- effluent | Mg Pre- effluent | Mg Post- effluent | Na Pre- effluent | Na Post- effluent | K Pre- effluent | K Post- effluent | Alk Pre- effluent | Alk Post- effluent | SO ₄ Pre- effluent | SO ₄ Post- effluent | Cl Pre- effluent | Cl Post- effluent |
|----------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------------------|--------------------------------------|------------------------|-------------------------|
| MW4-1B | | | | | | | | | | | | | | |
| Minimum | 110 | 120 | 30 | 34 | 8.6 | 7.9 | 3.3 | 4.3 | 468 | 361 | 0.6 | 1.2 | 2.8 | 2.1 |
| Mean | 123 | 133 | 36 | 37 | 11 | 10 | 4.9 | 4.9 | 500 | 509 | 4.9 | 31 | 6.5 | 4.9 |
| Median | 120 | 130 | 36 | 38 | 10 | 10 | 5.0 | 4.9 | 487 | 521 | 2.9 | 7.0 | 5.7 | 4.1 |
| Maximum | 140 | 150 | 40 | 42 | 14 | 15 | 5.5 | 5.2 | 539 | 538 | 12 | 98 | 13 | 14 |
| MW4-2A | | | | | | | | | | | | | | |
| Minimum | 140 | 130 | 28 | 27 | 7.7 | 6.1 | 6.2 | 5.9 | 330 | 410 | 16 | 14 | 2.7 | 1.7 |
| Mean | 153 | 151 | 32 | 32 | 8.9 | 10 | 6.8 | 6.6 | 485 | 489 | 33 | 28 | 3.7 | 20 |
| Median | 150 | 150 | 32 | 33 | 8.8 | 8.4 | 6.6 | 6.6 | 518 | 500 | 32 | 27 | 3.6 | 13 |
| Maximum | 170 | 160 | 35 | 35 | 11 | 27 | 8.3 | 7.7 | 538 | 531 | 49 | 48 | 5.6 | 90 |
| MW4-2B | | | | | | | | | | | | | | |
| Minimum | 110 | 140 | 24 | 29 | 14 | 10 | 5.0 | 5.0 | 342 | 399 | .3 | .1 | 5.5 | 4.1 |
| Mean | 128 | 149 | 27 | 32 | 18 | 16 | 5.3 | 5.6 | 469 | 520 | .6 | 17 | 9.1 | 25 |
| Median | 130 | 150 | 28 | 32 | 18 | 15 | 5.3 | 5.7 | 491 | 529 | .6 | 19 | 8.7 | 8.1 |
| Maximum | 140 | 160 | 29 | 34 | 23 | 22 | 5.5 | 5.9 | 524 | 610 | 1.0 | 40 | 15 | 72 |
| MW13-67 | | | | | | | | | | | | | | |
| Minimum | 72 | -- | 16 | -- | 29 | -- | 4.1 | -- | 217 | -- | 78 | -- | 17 | -- |
| Mean | 85 | -- | 19 | -- | 34 | -- | 4.4 | -- | 257 | -- | 93 | -- | 18 | -- |
| Median | 87 | -- | 20 | -- | 33 | -- | 4.4 | -- | 260 | -- | 92 | -- | 19 | -- |
| Maximum | 93 | -- | 20 | -- | 39 | -- | 4.7 | -- | 292 | -- | 110 | -- | 19 | -- |
| USGS-1 | | | | | | | | | | | | | | |
| Minimum | 100 | 110 | 17 | 16 | 4.4 | 4.6 | 4.0 | 3.7 | 309 | 311 | 16 | 24 | 2.1 | 2.6 |
| Mean | 114 | 123 | 19 | 20 | 5.5 | 5.9 | 4.4 | 4.4 | 368 | 382 | 18 | 31 | 4.1 | 4.3 |
| Median | 115 | 130 | 19 | 21 | 5.4 | 5.9 | 4.4 | 4.5 | 377 | 394 | 18 | 29 | 3.8 | 4.2 |
| Maximum | 130 | 140 | 20 | 23 | 6.6 | 6.8 | 4.8 | 4.9 | 404 | 434 | 19 | 42 | 6.1 | 6.8 |

Table 5. Summary statistics for selected major chemical constituents for samples collected from ground- and surface-water sites at the Columbia/Eagle Bluffs Wetland Complex—Continued[Ca, calcium; Mg, magnesium; Na, sodium; K, potassium; Alk, alkalinity; SO₄, sulfate; Cl, chloride; --, no data; EB, Eagle Bluffs]

| | Ca Pre- effluent | Ca Post- effluent | Mg Pre- effluent | Mg Post- effluent | Na Pre- effluent | Na Post- effluent | K Pre- effluent | K Post- effluent | Alk Pre- effluent | Alk Post- effluent | SO ₄ Pre- effluent | SO ₄ Post- effluent | Cl Pre- effluent | Cl Post- effluent |
|----------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------------------|--------------------------------------|------------------------|-------------------------|
| USGS-2D | | | | | | | | | | | | | | |
| Minimum | 140 | 120 | 30 | 27 | 9.4 | 8.4 | 5.8 | 4.9 | 283 | 208 | 0.1 | 0.2 | 2.5 | 1.5 |
| Mean | 151 | 146 | 32 | 31 | 10 | 13 | 6.2 | 5.7 | 512 | 471 | .2 | 46 | 3.4 | 33 |
| Median | 145 | 150 | 31 | 31 | 10 | 11 | 6.2 | 5.7 | 540 | 555 | .2 | 40 | 3.5 | 2.1 |
| Maximum | 170 | 170 | 36 | 38 | 11 | 31 | 6.4 | 6.7 | 610 | 610 | .3 | 100 | 4.2 | 120 |
| USGS-2S | | | | | | | | | | | | | | |
| Minimum | 130 | 140 | 23 | 24 | 9.4 | 6.3 | 2.2 | 5.0 | 326 | 352 | 20 | 7.3 | 1.2 | 0.9 |
| Mean | 154 | 148 | 26 | 26 | 11 | 7.4 | 5.9 | 5.5 | 500 | 477 | 23 | 23 | 2.2 | 11 |
| Median | 155 | 150 | 27 | 26 | 11 | 7.2 | 6.3 | 5.5 | 523 | 502 | 23 | 18 | 1.8 | 3.6 |
| Maximum | 170 | 160 | 29 | 30 | 12 | 9.0 | 6.8 | 6.6 | 597 | 537 | 25 | 63 | 4.1 | 51 |
| USGS-3D | | | | | | | | | | | | | | |
| Minimum | 150 | 130 | 34 | 26 | 15 | 12 | 3.2 | 4.3 | 306 | 275 | .4 | .1 | 5.0 | 5.5 |
| Mean | 160 | 158 | 37 | 35 | 18 | 18 | 4.9 | 4.9 | 539 | 555 | 2.4 | 11 | 6.5 | 9.8 |
| Median | 160 | 160 | 38 | 36 | 18 | 18 | 5.0 | 4.9 | 601 | 582 | 3.3 | 6.3 | 5.8 | 6.9 |
| Maximum | 170 | 170 | 40 | 42 | 19 | 23 | 5.3 | 5.7 | 636 | 677 | 3.7 | 31 | 10 | 28 |
| USGS-3S | | | | | | | | | | | | | | |
| Minimum | 97 | 110 | 21 | 19 | 7.6 | 9.2 | 4.1 | 4.1 | 327 | 244 | 27 | 39 | 4.7 | 15 |
| Mean | 143 | 135 | 30 | 24 | 12 | 54 | 5.4 | 6.0 | 438 | 336 | 38 | 84 | 7.9 | 108 |
| Median | 160 | 130 | 31 | 23 | 13 | 62 | 5.7 | 5.9 | 426 | 356 | 38 | 75 | 7.7 | 120 |
| Maximum | 170 | 170 | 34 | 31 | 17 | 81 | 6.3 | 7.7 | 528 | 413 | 51 | 140 | 14 | 180 |
| USGS-4 | | | | | | | | | | | | | | |
| Minimum | 190 | 160 | 49 | 38 | 26 | 13 | 7.1 | 5.7 | 428 | 570 | 1.7 | 11 | 8.0 | 4.6 |
| Mean | 216 | 173 | 56 | 43 | 35 | 19 | 7.7 | 6.2 | 742 | 638 | 28 | 24 | 12 | 6.7 |
| Median | 220 | 170 | 56 | 41 | 36 | 16 | 7.7 | 6.2 | 798 | 639 | 29 | 21 | 11 | 6.2 |
| Maximum | 240 | 210 | 61 | 52 | 44 | 45 | 8.5 | 6.7 | 914 | 687 | 49 | 52 | 24 | 9.4 |

Table 5. Summary statistics for selected major chemical constituents for samples collected from ground- and surface-water sites at the Columbia/Eagle Bluffs Wetland Complex—Continued

[Ca, calcium; Mg, magnesium; Na, sodium; K, potassium; Alk, alkalinity; SO₄, sulfate; Cl, chloride; --, no data; EB, Eagle Bluffs]

| | Ca Pre- effluent | Ca Post- effluent | Mg Pre- effluent | Mg Post- effluent | Na Pre- effluent | Na Post- effluent | K Pre- effluent | K Post- effluent | Alk Pre- effluent | Alk Post- effluent | SO ₄ Pre- effluent | SO ₄ Post- effluent | Cl Pre- effluent | Cl Post- effluent |
|----------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------------------|--------------------------------------|------------------------|-------------------------|
| USGS-5D | | | | | | | | | | | | | | |
| Minimum | 130 | 96 | 23 | 17 | 12 | 12 | 5.1 | 4.4 | 242 | 311 | 1.7 | 9.2 | 6.1 | 6.9 |
| Mean | 171 | 133 | 30 | 24 | 17 | 18 | 6.2 | 5.3 | 529 | 432 | 20 | 28 | 7.5 | 25 |
| Median | 180 | 130 | 31 | 25 | 18 | 18 | 6.2 | 5.4 | 585 | 387 | 21 | 21 | 8.0 | 8.0 |
| Maximum | 200 | 170 | 36 | 30 | 23 | 25 | 6.9 | 6.1 | 653 | 598 | 35 | 55 | 8.5 | 82 |
| USGS-5S | | | | | | | | | | | | | | |
| Minimum | 110 | 120 | 24 | 27 | 12 | 10 | 2.5 | 4.6 | 396 | 404 | 22 | 24 | 4.0 | 5.0 |
| Mean | 128 | 128 | 27 | 29 | 16 | 11 | 4.9 | 5.0 | 421 | 442 | 38 | 31 | 5.3 | 6.0 |
| Median | 130 | 130 | 27 | 29 | 14 | 12 | 5.2 | 5.0 | 415 | 446 | 30 | 32 | 5.2 | 6.0 |
| Maximum | 150 | 140 | 29 | 30 | 35 | 13 | 5.6 | 5.4 | 455 | 476 | 92 | 36 | 7.7 | 7.8 |
| USGS-6 | | | | | | | | | | | | | | |
| Minimum | 170 | 130 | 42 | 28 | 19 | 19 | 6.9 | 4.7 | 636 | 269 | 1.4 | 16 | 9.9 | 8.7 |
| Mean | 196 | 174 | 49 | 42 | 20 | 40 | 7.3 | 6.3 | 752 | 532 | 29 | 69 | 14 | 93 |
| Median | 190 | 160 | 48 | 39 | 20 | 31 | 7.3 | 6.2 | 724 | 467 | 31 | 75 | 14 | 110 |
| Maximum | 230 | 250 | 58 | 60 | 22 | 68 | 7.8 | 7.6 | 876 | 953 | 53 | 120 | 21 | 150 |
| USGS-7 | | | | | | | | | | | | | | |
| Minimum | 130 | 66 | 30 | 16 | 13 | 11 | 5.3 | 4.3 | 347 | 178 | 8.4 | 14 | 3.6 | 4.0 |
| Mean | 139 | 115 | 32 | 27 | 14 | 37 | 6.1 | 5.5 | 466 | 324 | 18 | 84 | 4.1 | 60 |
| Median | 140 | 120 | 32 | 27 | 14 | 14 | 6.3 | 5.6 | 510 | 303 | 21 | 89 | 3.8 | 54 |
| Maximum | 150 | 150 | 33 | 35 | 16 | 91 | 6.4 | 6.2 | 542 | 531 | 22 | 150 | 6.9 | 120 |
| USGS-8D | | | | | | | | | | | | | | |
| Minimum | 120 | 120 | 24 | 24 | 6.5 | 6.0 | 4.3 | 5.6 | 301 | 364 | 4.8 | 6.7 | 6.0 | 5.1 |
| Mean | 134 | 131 | 26 | 26 | 6.8 | 7.3 | 6.3 | 6.3 | 406 | 433 | 20 | 21 | 9.9 | 6.1 |
| Median | 140 | 130 | 26 | 26 | 6.8 | 6.5 | 6.6 | 6.4 | 436 | 438 | 21 | 19 | 10 | 5.9 |
| Maximum | 140 | 140 | 27 | 27 | 7.2 | 11 | 6.8 | 6.8 | 451 | 451 | 32 | 34 | 16 | 7.4 |

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| | Ca Pre- effluent | Ca Post- effluent | Mg Pre- effluent | Mg Post- effluent | Na Pre- effluent | Na Post- effluent | K Pre- effluent | K Post- effluent | Alk Pre- effluent | Alk Post- effluent | SO ₄ Pre- effluent | SO ₄ Post- effluent | Cl Pre- effluent | Cl Post- effluent |
|---------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------------------|--------------------------------------|------------------------|-------------------------|
| USGS-8S | | | | | | | | | | | | | | |
| Minimum | 120 | 110 | 24 | 22 | 5.8 | 4.8 | 0.7 | 6.6 | 326 | 369 | 29 | 25 | 4.3 | 3.6 |
| Mean | 132 | 124 | 26 | 25 | 6.1 | 5.5 | 9.2 | 10 | 406 | 398 | 43 | 35 | 5.5 | 5.0 |
| Median | 130 | 120 | 26 | 25 | 6.1 | 5.4 | 9.2 | 9.9 | 419 | 396 | 42 | 35 | 5.5 | 4.8 |
| Maximum | 140 | 130 | 28 | 28 | 6.5 | 6.3 | 21 | 14 | 447 | 429 | 64 | 48 | 7.7 | 7.6 |
| USGS-9D | | | | | | | | | | | | | | |
| Minimum | 80 | 82 | 17 | 16 | 7.0 | 7.3 | 1.3 | 1.9 | 250 | 246 | 38 | 39 | 8.3 | 8.2 |
| Mean | 88 | 88 | 18 | 17 | 7.4 | 8.2 | 2.0 | 2.0 | 262 | 263 | 43 | 43 | 9.3 | 9.5 |
| Median | 88 | 89 | 17 | 17 | 7.4 | 8.2 | 2.0 | 2.0 | 262 | 264 | 44 | 43 | 8.8 | 9.3 |
| Maximum | 95 | 95 | 19 | 19 | 8.0 | 9.1 | 2.1 | 2.2 | 274 | 279 | 46 | 47 | 11 | 11 |
| USGS-9S | | | | | | | | | | | | | | |
| Minimum | 81 | 88 | 18 | 20 | 5.3 | 5.2 | 1.8 | 1.7 | 241 | 294 | 30 | 27 | 1.8 | 1.8 |
| Mean | 89 | 96 | 21 | 22 | 7.2 | 7.0 | 1.9 | 2.0 | 287 | 311 | 34 | 41 | 2.3 | 2.7 |
| Median | 88 | 98 | 20 | 22 | 7.4 | 7.2 | 1.9 | 2.1 | 283 | 312 | 34 | 44 | 2.1 | 2.6 |
| Maximum | 96 | 100 | 23 | 23 | 8.5 | 8.0 | 2.2 | 2.3 | 314 | 322 | 38 | 52 | 3.9 | 5.0 |
| Blew hole | | | | | | | | | | | | | | |
| Minimum | 31 | 78 | 5.4 | 22 | 6.4 | 16 | 2.9 | 5.1 | 74 | 275 | 22 | 23 | 6.9 | 17 |
| Mean | 76 | 125 | 16 | 28 | 18 | 31 | 5.2 | 5.6 | 230 | 360 | 36 | 50 | 17 | 70 |
| Median | 59 | 130 | 15 | 28 | 14 | 28 | 4.9 | 5.7 | 217 | 369 | 39 | 45 | 16 | 66 |
| Maximum | 140 | 150 | 29 | 33 | 33 | 55 | 8.1 | 5.9 | 471 | 437 | 59 | 83 | 33 | 140 |
| Perche Creek | | | | | | | | | | | | | | |
| Minimum | 65 | 28 | 10 | 4.5 | 18 | 5.3 | 3.9 | 3.2 | 133 | 63 | 68 | 28 | 18 | 6.7 |
| Mean | 73 | 66 | 14 | 11 | 50 | 15 | 8.5 | 4.2 | 179 | 168 | 83 | 55 | 64 | 19 |
| Median | 74 | 68 | 14 | 11 | 35 | 15 | 6.6 | 4.1 | 185 | 176 | 83 | 46 | 42 | 17 |
| Maximum | 86 | 100 | 20 | 19 | 100 | 27 | 22 | 6.1 | 241 | 298 | 99 | 87 | 130 | 39 |

Table 5. Summary statistics for selected major chemical constituents for samples collected from ground- and surface-water sites at the Columbia/Eagle Bluffs Wetland Complex—Continued

[Ca, calcium; Mg, magnesium; Na, sodium; K, potassium; Alk, alkalinity; SO₄, sulfate; Cl, chloride; --, no data; EB, Eagle Bluffs]

| | Ca Pre- effluent | Ca Post- effluent | Mg Pre- effluent | Mg Post- effluent | Na Pre- effluent | Na Post- effluent | K Pre- effluent | K Post- effluent | Alk Pre- effluent | Alk Post- effluent | SO ₄ Pre- effluent | SO ₄ Post- effluent | Cl Pre- effluent | Cl Post- effluent |
|--------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|-----------------------|------------------------|-------------------------|--------------------------|-------------------------------------|--------------------------------------|------------------------|-------------------------|
| City Outflow | | | | | | | | | | | | | | |
| Minimum | -- | 46 | -- | 17 | -- | 91 | -- | 22 | -- | 169 | -- | 82 | -- | 110 |
| Mean | -- | 57 | -- | 19 | -- | 140 | -- | 28 | -- | 196 | -- | 98 | -- | 181 |
| Median | -- | 55 | -- | 19 | -- | 140 | -- | 26 | -- | 192 | -- | 100 | -- | 180 |
| Maximum | -- | 75 | -- | 22 | -- | 204 | -- | 39 | -- | 221 | -- | 110 | -- | 280 |
| EB Outflow | | | | | | | | | | | | | | |
| Minimum | -- | 43 | -- | 13 | -- | 80 | -- | 13 | -- | 143 | -- | 77 | -- | 62 |
| Mean | -- | 55 | -- | 18 | -- | 120 | -- | 23 | -- | 178 | -- | 105 | -- | 152 |
| Median | -- | 55 | -- | 18 | -- | 114 | -- | 23 | -- | 167 | -- | 98 | -- | 150 |
| Maximum | -- | 62 | -- | 22 | -- | 211 | -- | 39 | -- | 231 | -- | 150 | -- | 290 |