

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|-----------|-------------|-------------------|-------------|--------------------|-------------|
| 5/1/2009 | 12:00:00 AM | 0.07 | 10.5 | 0.09 | 2 |
| 5/2/2009 | 12:00:00 AM | 0.44480638 | 6.496210815 | 0.131545904 | 4.047740823 |
| 5/3/2009 | 12:00:00 AM | 0.42390925 | 5.886228331 | 0.121737349 | 3.993361193 |
| 5/4/2009 | 12:00:00 AM | 0.256634209 | 2.867773095 | 0.081037597 | 5.13356209 |
| 5/5/2009 | 12:00:00 AM | 0.154375364 | 1.003184636 | 0.056259184 | 6.178384618 |
| 5/6/2009 | 12:00:00 AM | 0.136670117 | 0.715301125 | 0.051913186 | 6.338838327 |
| 5/7/2009 | 12:00:00 AM | 0.156403264 | 1.204719268 | 0.056449231 | 5.866062874 |
| 5/8/2009 | 12:00:00 AM | 0.15895558 | 1.479749302 | 0.056791671 | 5.679714494 |
| 5/9/2009 | 12:00:00 AM | 0.159515287 | 1.575969346 | 0.056825761 | 5.610779922 |
| 5/10/2009 | 12:00:00 AM | 0.167748392 | 1.877141013 | 0.058789653 | 5.39162325 |
| 5/11/2009 | 12:00:00 AM | 0.172716573 | 2.109744632 | 0.059978032 | 5.236313166 |
| 5/12/2009 | 12:00:00 AM | 0.157013949 | 1.583992231 | 0.056177801 | 5.607423442 |
| 5/13/2009 | 12:00:00 AM | 0.126166272 | 0.648780071 | 0.048849702 | 6.395890551 |
| 5/14/2009 | 12:00:00 AM | 0.13154301 | 0.677041451 | 0.050204887 | 6.316681057 |
| 5/15/2009 | 12:00:00 AM | 0.152883052 | 1.188298407 | 0.055319232 | 5.851459155 |
| 5/16/2009 | 12:00:00 AM | 0.167640214 | 1.793086561 | 0.058809044 | 5.432510972 |
| 5/17/2009 | 12:00:00 AM | 0.175786166 | 2.207153406 | 0.060750395 | 5.16366955 |
| 5/18/2009 | 12:00:00 AM | 0.186064995 | 2.705486443 | 0.063261215 | 4.847837884 |
| 5/19/2009 | 12:00:00 AM | 0.200852882 | 3.634636819 | 0.066971318 | 4.297799049 |
| 5/20/2009 | 12:00:00 AM | 0.210163161 | 5.528170881 | 0.069768283 | 3.278527824 |
| 5/21/2009 | 12:00:00 AM | 0.197531714 | 6.695552639 | 0.067181008 | 2.695899976 |
| 5/22/2009 | 12:00:00 AM | 0.186411976 | 7.227145108 | 0.064739206 | 2.437253296 |
| 5/23/2009 | 12:00:00 AM | 0.179462895 | 7.523923598 | 0.063209625 | 2.29226276 |
| 5/24/2009 | 12:00:00 AM | 0.175009085 | 7.690843802 | 0.062224263 | 2.210612674 |
| 5/25/2009 | 12:00:00 AM | 0.174246163 | 7.684340331 | 0.06205027 | 2.213848124 |
| 5/26/2009 | 12:00:00 AM | 0.174955812 | 7.650679878 | 0.062223731 | 2.228194586 |
| 5/27/2009 | 12:00:00 AM | 0.174835995 | 7.663097564 | 0.062219397 | 2.221238118 |
| 5/28/2009 | 12:00:00 AM | 0.172729733 | 7.769774406 | 0.06177943 | 2.167346457 |
| 5/29/2009 | 12:00:00 AM | 0.17072871 | 7.834966509 | 0.061341488 | 2.134995447 |
| 5/30/2009 | 12:00:00 AM | 0.167838736 | 7.961477756 | 0.060719815 | 2.071558994 |
| 5/31/2009 | 12:00:00 AM | 0.161404596 | 8.220232556 | 0.059305956 | 1.943164701 |
| 6/1/2009 | 12:00:00 AM | 0.154444232 | 8.437181819 | 0.057742025 | 1.837083235 |
| 6/2/2009 | 12:00:00 AM | 0.148740413 | 8.605595426 | 0.056459886 | 1.754797131 |
| 6/3/2009 | 12:00:00 AM | 0.144046904 | 8.736552713 | 0.055402315 | 1.690141909 |
| 6/4/2009 | 12:00:00 AM | 0.140530682 | 8.828190962 | 0.054611367 | 1.644999015 |
| 6/5/2009 | 12:00:00 AM | 0.161561531 | 7.929007987 | 0.059265886 | 2.090433907 |
| 6/6/2009 | 12:00:00 AM | 0.175302611 | 7.57513544 | 0.062440591 | 2.253879626 |
| 6/7/2009 | 12:00:00 AM | 0.165795672 | 8.129847417 | 0.060443629 | 1.975267408 |
| 6/8/2009 | 12:00:00 AM | 0.152793214 | 8.495855806 | 0.057493694 | 1.799828663 |
| 6/9/2009 | 12:00:00 AM | 0.144367639 | 8.730555853 | 0.055581221 | 1.684787935 |
| 6/10/2009 | 12:00:00 AM | 0.138296794 | 8.886694477 | 0.054201295 | 1.608389156 |
| 6/11/2009 | 12:00:00 AM | 0.133907498 | 8.996640767 | 0.053205992 | 1.554208153 |
| 6/12/2009 | 12:00:00 AM | 0.13247702 | 9.013191756 | 0.052879542 | 1.546024814 |
| 6/13/2009 | 12:00:00 AM | 0.133859521 | 8.962203187 | 0.053201506 | 1.569177155 |
| 6/14/2009 | 12:00:00 AM | 0.1353019 | 8.926804449 | 0.053549547 | 1.584623849 |
| 6/15/2009 | 12:00:00 AM | 0.136346614 | 8.896388748 | 0.05380245 | 1.598280771 |
| 6/16/2009 | 12:00:00 AM | 0.134901813 | 8.952305487 | 0.053499358 | 1.570019517 |
| 6/17/2009 | 12:00:00 AM | 0.130913273 | 9.064525505 | 0.05260538 | 1.513935948 |
| 6/18/2009 | 12:00:00 AM | 0.127278943 | 9.148135024 | 0.051779085 | 1.472568785 |
| 6/19/2009 | 12:00:00 AM | 0.12452812 | 9.212686948 | 0.051157824 | 1.439961703 |
| 6/20/2009 | 12:00:00 AM | 0.121904039 | 9.275306928 | 0.050565897 | 1.408110319 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|-----------|-------------|-------------------|-------------|--------------------|-------------|
| 6/21/2009 | 12:00:00 AM | 0.120073797 | 9.311898544 | 0.050152923 | 1.389673606 |
| 6/22/2009 | 12:00:00 AM | 0.118660653 | 9.34320284 | 0.049838774 | 1.373285627 |
| 6/23/2009 | 12:00:00 AM | 0.117244827 | 9.375048085 | 0.049524558 | 1.356579651 |
| 6/24/2009 | 12:00:00 AM | 0.115977257 | 9.401520319 | 0.049242628 | 1.342620028 |
| 6/25/2009 | 12:00:00 AM | 0.115062386 | 9.418812284 | 0.04904121 | 1.332790187 |
| 6/26/2009 | 12:00:00 AM | 0.114476379 | 9.429039812 | 0.048915822 | 1.327010611 |
| 6/27/2009 | 12:00:00 AM | 0.11430803 | 9.428614188 | 0.04888572 | 1.326226405 |
| 6/28/2009 | 12:00:00 AM | 0.11477533 | 9.412452258 | 0.049001176 | 1.332406744 |
| 6/29/2009 | 12:00:00 AM | 0.114307499 | 9.42870026 | 0.048909995 | 1.323592203 |
| 6/30/2009 | 12:00:00 AM | 0.113644778 | 9.439053218 | 0.04876446 | 1.317600398 |
| 7/1/2009 | 12:00:00 AM | 0.113505539 | 9.438354115 | 0.048740144 | 1.316912575 |
| 7/2/2009 | 12:00:00 AM | 0.11356975 | 9.434468904 | 0.048763689 | 1.31719571 |
| 7/3/2009 | 12:00:00 AM | 0.113329299 | 9.439718828 | 0.048718949 | 1.31353921 |
| 7/4/2009 | 12:00:00 AM | 0.112915742 | 9.447138934 | 0.048632154 | 1.308493364 |
| 7/5/2009 | 12:00:00 AM | 0.112691264 | 9.449284179 | 0.048587688 | 1.30662271 |
| 7/6/2009 | 12:00:00 AM | 0.11275942 | 9.44477048 | 0.048610235 | 1.30775871 |
| 7/7/2009 | 12:00:00 AM | 0.113438216 | 9.423948838 | 0.048771941 | 1.316660311 |
| 7/8/2009 | 12:00:00 AM | 0.114723751 | 9.390487853 | 0.049074698 | 1.332252271 |
| 7/9/2009 | 12:00:00 AM | 0.114748609 | 9.397045149 | 0.049095346 | 1.327816044 |
| 7/10/2009 | 12:00:00 AM | 0.11446508 | 9.399338648 | 0.049034653 | 1.326718401 |
| 7/11/2009 | 12:00:00 AM | 0.11437457 | 9.399883626 | 0.049020657 | 1.324824307 |
| 7/12/2009 | 12:00:00 AM | 0.113703281 | 9.417035082 | 0.04887542 | 1.315655203 |
| 7/13/2009 | 12:00:00 AM | 0.112857043 | 9.433663192 | 0.048685616 | 1.306645039 |
| 7/14/2009 | 12:00:00 AM | 0.112314157 | 9.442628494 | 0.048564811 | 1.300892269 |
| 7/15/2009 | 12:00:00 AM | 0.11208641 | 9.44463618 | 0.048516597 | 1.297941206 |
| 7/16/2009 | 12:00:00 AM | 0.111979588 | 9.445603537 | 0.048497532 | 1.297604472 |
| 7/17/2009 | 12:00:00 AM | 0.111915187 | 9.445165338 | 0.048487628 | 1.296823615 |
| 7/18/2009 | 12:00:00 AM | 0.111877907 | 9.444431325 | 0.048484012 | 1.296296756 |
| 7/19/2009 | 12:00:00 AM | 0.111842146 | 9.443679127 | 0.048480597 | 1.295612751 |
| 7/20/2009 | 12:00:00 AM | 0.111806979 | 9.442949825 | 0.048477088 | 1.295077004 |
| 7/21/2009 | 12:00:00 AM | 0.111773244 | 9.442208947 | 0.048473724 | 1.294397586 |
| 7/22/2009 | 12:00:00 AM | 0.112612046 | 9.417040673 | 0.048667407 | 1.305512239 |
| 7/23/2009 | 12:00:00 AM | 0.119208933 | 9.232435843 | 0.050166698 | 1.397006317 |
| 7/24/2009 | 12:00:00 AM | 0.146328661 | 8.490677623 | 0.055976322 | 1.76695268 |
| 7/25/2009 | 12:00:00 AM | 0.152080919 | 8.511976541 | 0.057488666 | 1.746715849 |
| 7/26/2009 | 12:00:00 AM | 0.136995027 | 8.958518526 | 0.054195835 | 1.523308037 |
| 7/27/2009 | 12:00:00 AM | 0.125910749 | 9.154992811 | 0.051676613 | 1.42913872 |
| 7/28/2009 | 12:00:00 AM | 0.134863883 | 8.825309136 | 0.053696323 | 1.594775252 |
| 7/29/2009 | 12:00:00 AM | 0.141374847 | 8.723371668 | 0.055259419 | 1.640138687 |
| 7/30/2009 | 12:00:00 AM | 0.14226486 | 8.704334506 | 0.055485879 | 1.649215974 |
| 7/31/2009 | 12:00:00 AM | 0.154730485 | 8.261361205 | 0.058260093 | 1.870493055 |
| 8/1/2009 | 12:00:00 AM | 0.164737001 | 8.019587559 | 0.06056205 | 1.985721324 |
| 8/2/2009 | 12:00:00 AM | 0.159547291 | 8.283781112 | 0.059475336 | 1.851457366 |
| 8/3/2009 | 12:00:00 AM | 0.154241055 | 8.381642451 | 0.058239833 | 1.807305482 |
| 8/4/2009 | 12:00:00 AM | 0.14898285 | 8.549125772 | 0.057060508 | 1.725217552 |
| 8/5/2009 | 12:00:00 AM | 0.144800629 | 8.637885515 | 0.056092263 | 1.684898261 |
| 8/6/2009 | 12:00:00 AM | 0.139503437 | 8.793506832 | 0.054894449 | 1.609461806 |
| 8/7/2009 | 12:00:00 AM | 0.130953605 | 9.021614486 | 0.0529476 | 1.499017299 |
| 8/8/2009 | 12:00:00 AM | 0.123705335 | 9.178753059 | 0.05126843 | 1.424835212 |
| 8/9/2009 | 12:00:00 AM | 0.118901584 | 9.283196917 | 0.050154024 | 1.376573552 |
| 8/10/2009 | 12:00:00 AM | 0.115992084 | 9.341944436 | 0.049473312 | 1.350537421 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|-----------|-------------|-------------------|-------------|--------------------|-------------|
| 8/11/2009 | 12:00:00 AM | 0.114144551 | 9.382412715 | 0.049042047 | 1.333270298 |
| 8/12/2009 | 12:00:00 AM | 0.114956065 | 9.347918863 | 0.049211817 | 1.352778144 |
| 8/13/2009 | 12:00:00 AM | 0.116974251 | 9.301312393 | 0.049672251 | 1.377805868 |
| 8/14/2009 | 12:00:00 AM | 0.116273983 | 9.335358993 | 0.049521374 | 1.363501814 |
| 8/15/2009 | 12:00:00 AM | 0.117661066 | 9.279672555 | 0.04981834 | 1.393743238 |
| 8/16/2009 | 12:00:00 AM | 0.119985917 | 9.228710238 | 0.050351846 | 1.420852512 |
| 8/17/2009 | 12:00:00 AM | 0.119308817 | 9.262590391 | 0.050206015 | 1.406704758 |
| 8/18/2009 | 12:00:00 AM | 0.11592932 | 9.353759439 | 0.049431814 | 1.364152348 |
| 8/19/2009 | 12:00:00 AM | 0.11287472 | 9.420467426 | 0.048720311 | 1.334875612 |
| 8/20/2009 | 12:00:00 AM | 0.111306665 | 9.452522681 | 0.048350174 | 1.322377738 |
| 8/21/2009 | 12:00:00 AM | 0.110513769 | 9.470322975 | 0.048161067 | 1.316318869 |
| 8/22/2009 | 12:00:00 AM | 0.110154147 | 9.478303164 | 0.048072244 | 1.314701229 |
| 8/23/2009 | 12:00:00 AM | 0.110037359 | 9.481958265 | 0.048040238 | 1.315370995 |
| 8/24/2009 | 12:00:00 AM | 0.109970427 | 9.48494379 | 0.048020083 | 1.316794963 |
| 8/25/2009 | 12:00:00 AM | 0.109861238 | 9.489255805 | 0.04799049 | 1.317557519 |
| 8/26/2009 | 12:00:00 AM | 0.10977324 | 9.492615668 | 0.047965188 | 1.318677203 |
| 8/27/2009 | 12:00:00 AM | 0.109665747 | 9.497035604 | 0.047935806 | 1.319422142 |
| 8/28/2009 | 12:00:00 AM | 0.109535804 | 9.501854111 | 0.04790097 | 1.320122637 |
| 8/29/2009 | 12:00:00 AM | 0.109451282 | 9.505274442 | 0.047876314 | 1.32105637 |
| 8/30/2009 | 12:00:00 AM | 0.10934625 | 9.509797449 | 0.047847231 | 1.321879852 |
| 8/31/2009 | 12:00:00 AM | 0.109222528 | 9.514671609 | 0.047813885 | 1.322437524 |
| 9/1/2009 | 12:00:00 AM | 0.109211957 | 9.516920314 | 0.047807814 | 1.324484964 |
| 9/2/2009 | 12:00:00 AM | 0.109137519 | 9.521216965 | 0.047784753 | 1.325064241 |
| 9/3/2009 | 12:00:00 AM | 0.109053474 | 9.528315974 | 0.047751019 | 1.329146439 |
| 9/4/2009 | 12:00:00 AM | 0.108921719 | 9.538709357 | 0.047705292 | 1.332419898 |
| 9/5/2009 | 12:00:00 AM | 0.108789347 | 9.548771627 | 0.047658463 | 1.336367518 |
| 9/6/2009 | 12:00:00 AM | 0.108723875 | 9.557251558 | 0.047626862 | 1.340882711 |
| 9/7/2009 | 12:00:00 AM | 0.108601456 | 9.568373617 | 0.047582858 | 1.344343415 |
| 9/8/2009 | 12:00:00 AM | 0.108519052 | 9.577514647 | 0.047547076 | 1.348720711 |
| 9/9/2009 | 12:00:00 AM | 0.108401695 | 9.589028628 | 0.047504021 | 1.352201016 |
| 9/10/2009 | 12:00:00 AM | 0.108285049 | 9.599766658 | 0.0474607 | 1.355714562 |
| 9/11/2009 | 12:00:00 AM | 0.108150857 | 9.612114972 | 0.047413281 | 1.359432147 |
| 9/12/2009 | 12:00:00 AM | 0.108154316 | 9.618990915 | 0.047396549 | 1.364896535 |
| 9/13/2009 | 12:00:00 AM | 0.111937087 | 9.48624021 | 0.048222453 | 1.437903955 |
| 9/14/2009 | 12:00:00 AM | 0.145839322 | 7.976431889 | 0.055662448 | 2.173087647 |
| 9/15/2009 | 12:00:00 AM | 0.163675761 | 7.36417572 | 0.059664623 | 2.457357185 |
| 9/16/2009 | 12:00:00 AM | 0.173942124 | 6.441999864 | 0.061727827 | 2.915519519 |
| 9/17/2009 | 12:00:00 AM | 0.179388301 | 5.874941252 | 0.062795301 | 3.196050188 |
| 9/18/2009 | 12:00:00 AM | 0.180006995 | 4.782030017 | 0.062552359 | 3.764765287 |
| 9/19/2009 | 12:00:00 AM | 0.170671676 | 3.33078981 | 0.059909768 | 4.568059374 |
| 9/20/2009 | 12:00:00 AM | 0.163657051 | 2.706704111 | 0.058110722 | 4.938469602 |
| 9/21/2009 | 12:00:00 AM | 0.165780271 | 2.82063336 | 0.058665138 | 4.873228743 |
| 9/22/2009 | 12:00:00 AM | 0.171685326 | 3.337455992 | 0.060187587 | 4.569409887 |
| 9/23/2009 | 12:00:00 AM | 0.179969491 | 4.586031067 | 0.062489104 | 3.882342916 |
| 9/24/2009 | 12:00:00 AM | 0.177726799 | 5.806631298 | 0.062321745 | 3.262934922 |
| 9/25/2009 | 12:00:00 AM | 0.172673853 | 6.177184502 | 0.061226744 | 3.093308894 |
| 9/26/2009 | 12:00:00 AM | 0.16783784 | 6.759405951 | 0.060271291 | 2.814862743 |
| 9/27/2009 | 12:00:00 AM | 0.160233412 | 7.346093941 | 0.058659221 | 2.543133116 |
| 9/28/2009 | 12:00:00 AM | 0.15418193 | 7.668020981 | 0.057318578 | 2.401763402 |
| 9/29/2009 | 12:00:00 AM | 0.147849927 | 8.03858892 | 0.055932796 | 2.234929708 |
| 9/30/2009 | 12:00:00 AM | 0.139954512 | 8.437651598 | 0.054185899 | 2.057130459 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|------------|-------------|-------------------|-------------|--------------------|-------------|
| 10/1/2009 | 12:00:00 AM | 0.132974316 | 8.739926947 | 0.052620609 | 1.927673248 |
| 10/2/2009 | 12:00:00 AM | 0.127349754 | 8.97795052 | 0.051353086 | 1.827911445 |
| 10/3/2009 | 12:00:00 AM | 0.132685258 | 8.519013282 | 0.052438715 | 2.046476588 |
| 10/4/2009 | 12:00:00 AM | 0.151836015 | 6.793977227 | 0.056395841 | 2.85524239 |
| 10/5/2009 | 12:00:00 AM | 0.1602071 | 5.110085583 | 0.057865055 | 3.671167435 |
| 10/6/2009 | 12:00:00 AM | 0.140243663 | 2.221207695 | 0.052478341 | 5.321005659 |
| 10/7/2009 | 12:00:00 AM | 0.13320821 | 1.625781803 | 0.050753045 | 5.706668397 |
| 10/8/2009 | 12:00:00 AM | 0.133632832 | 1.63388589 | 0.050896047 | 5.701257661 |
| 10/9/2009 | 12:00:00 AM | 0.136355714 | 1.846305051 | 0.051590772 | 5.55127994 |
| 10/10/2009 | 12:00:00 AM | 0.138528302 | 2.081506563 | 0.05214157 | 5.393079184 |
| 10/11/2009 | 12:00:00 AM | 0.140632718 | 2.342274059 | 0.052682683 | 5.223611501 |
| 10/12/2009 | 12:00:00 AM | 0.141846261 | 2.564317115 | 0.053005945 | 5.083351587 |
| 10/13/2009 | 12:00:00 AM | 0.136168951 | 2.207080441 | 0.051572643 | 5.312331394 |
| 10/14/2009 | 12:00:00 AM | 0.119421104 | 1.080754364 | 0.047423198 | 6.14211236 |
| 10/15/2009 | 12:00:00 AM | 0.107726669 | 0.404778422 | 0.044579135 | 6.75354523 |
| 10/16/2009 | 12:00:00 AM | 0.109730252 | 0.40052551 | 0.045137991 | 6.692746855 |
| 10/17/2009 | 12:00:00 AM | 0.114594546 | 0.589258252 | 0.046394993 | 6.495835513 |
| 10/18/2009 | 12:00:00 AM | 0.11793695 | 0.863452366 | 0.047204335 | 6.279046689 |
| 10/19/2009 | 12:00:00 AM | 0.126244963 | 1.498750348 | 0.049266915 | 5.787079967 |
| 10/20/2009 | 12:00:00 AM | 0.130157619 | 2.058082625 | 0.050231111 | 5.413151445 |
| 10/21/2009 | 12:00:00 AM | 0.133728722 | 2.612081645 | 0.051155274 | 5.057688952 |
| 10/22/2009 | 12:00:00 AM | 0.139377475 | 3.653696398 | 0.052697062 | 4.439688925 |
| 10/23/2009 | 12:00:00 AM | 0.141359049 | 4.897505779 | 0.053427382 | 3.774383053 |
| 10/24/2009 | 12:00:00 AM | 0.133686268 | 3.476832293 | 0.051250726 | 4.557404647 |
| 10/25/2009 | 12:00:00 AM | 0.129097772 | 2.708659351 | 0.050031129 | 5.004993655 |
| 10/26/2009 | 12:00:00 AM | 0.125644046 | 2.306959293 | 0.049156351 | 5.258581117 |
| 10/27/2009 | 12:00:00 AM | 0.125596147 | 2.34583363 | 0.049182869 | 5.236932068 |
| 10/28/2009 | 12:00:00 AM | 0.124881403 | 2.366857015 | 0.04901926 | 5.224457942 |
| 10/29/2009 | 12:00:00 AM | 0.122207688 | 2.141259762 | 0.048335001 | 5.370128694 |
| 10/30/2009 | 12:00:00 AM | 0.119902405 | 1.923746745 | 0.047759076 | 5.519038744 |
| 10/31/2009 | 12:00:00 AM | 0.103930972 | 0.393455648 | 0.043688995 | 6.804924939 |
| 11/1/2009 | 12:00:00 AM | 0.103811714 | 0.290724525 | 0.043701622 | 6.846060279 |
| 11/2/2009 | 12:00:00 AM | 0.112405942 | 0.661980981 | 0.046046542 | 6.371606142 |
| 11/3/2009 | 12:00:00 AM | 0.117930615 | 1.509699709 | 0.047422684 | 5.777607817 |
| 11/4/2009 | 12:00:00 AM | 0.119071674 | 2.076415307 | 0.047675942 | 5.419108598 |
| 11/5/2009 | 12:00:00 AM | 0.121076977 | 2.583003387 | 0.048221047 | 5.092822247 |
| 11/6/2009 | 12:00:00 AM | 0.123928445 | 3.377056641 | 0.049042823 | 4.611730914 |
| 11/7/2009 | 12:00:00 AM | 0.126231063 | 4.641817211 | 0.049844715 | 3.918891403 |
| 11/8/2009 | 12:00:00 AM | 0.12533951 | 5.656042606 | 0.049843928 | 3.417522765 |
| 11/9/2009 | 12:00:00 AM | 0.123630934 | 6.127140017 | 0.049536452 | 3.200003846 |
| 11/10/2009 | 12:00:00 AM | 0.122354107 | 6.398796703 | 0.049297569 | 3.077602522 |
| 11/11/2009 | 12:00:00 AM | 0.121240123 | 6.594435168 | 0.049078155 | 2.99006678 |
| 11/12/2009 | 12:00:00 AM | 0.120276203 | 6.733509685 | 0.048884733 | 2.929834554 |
| 11/13/2009 | 12:00:00 AM | 0.119358729 | 6.870035881 | 0.048701383 | 2.870071425 |
| 11/14/2009 | 12:00:00 AM | 0.118372208 | 7.036230403 | 0.04850903 | 2.797040562 |
| 11/15/2009 | 12:00:00 AM | 0.117454385 | 7.156242057 | 0.048322387 | 2.746875136 |
| 11/16/2009 | 12:00:00 AM | 0.116640696 | 7.254618612 | 0.048155092 | 2.705650538 |
| 11/17/2009 | 12:00:00 AM | 0.116716251 | 6.928848956 | 0.048092478 | 2.85381663 |
| 11/18/2009 | 12:00:00 AM | 0.117458658 | 6.26033575 | 0.048113121 | 3.159251389 |
| 11/19/2009 | 12:00:00 AM | 0.117743786 | 5.790489576 | 0.04807962 | 3.376334274 |
| 11/20/2009 | 12:00:00 AM | 0.117450506 | 6.053703704 | 0.048088264 | 3.248762511 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|------------|-------------|-------------------|-------------|--------------------|-------------|
| 11/21/2009 | 12:00:00 AM | 0.116195497 | 6.65684338 | 0.047936786 | 2.971876344 |
| 11/22/2009 | 12:00:00 AM | 0.114682245 | 7.043441258 | 0.047660609 | 2.803728924 |
| 11/23/2009 | 12:00:00 AM | 0.113598067 | 7.253579701 | 0.047450692 | 2.715602878 |
| 11/24/2009 | 12:00:00 AM | 0.112844719 | 7.356938781 | 0.047295625 | 2.674023613 |
| 11/25/2009 | 12:00:00 AM | 0.112278358 | 7.41374964 | 0.047175017 | 2.651848837 |
| 11/26/2009 | 12:00:00 AM | 0.111698403 | 7.501987274 | 0.047059563 | 2.616066088 |
| 11/27/2009 | 12:00:00 AM | 0.111097955 | 7.588359574 | 0.046936947 | 2.581845962 |
| 11/28/2009 | 12:00:00 AM | 0.110500869 | 7.685401408 | 0.046818399 | 2.542613209 |
| 11/29/2009 | 12:00:00 AM | 0.109952834 | 7.757098519 | 0.046703568 | 2.51493355 |
| 11/30/2009 | 12:00:00 AM | 0.109529579 | 7.787040108 | 0.046608905 | 2.504799259 |
| 12/1/2009 | 12:00:00 AM | 0.111497064 | 5.409955657 | 0.046528522 | 3.610158149 |
| 12/2/2009 | 12:00:00 AM | 0.111153316 | 3.907633588 | 0.046134551 | 4.364314246 |
| 12/3/2009 | 12:00:00 AM | 0.110396527 | 3.283816747 | 0.04584291 | 4.71000559 |
| 12/4/2009 | 12:00:00 AM | 0.109747325 | 2.947337113 | 0.045630801 | 4.90898193 |
| 12/5/2009 | 12:00:00 AM | 0.109686191 | 2.902672915 | 0.045622892 | 4.934490445 |
| 12/6/2009 | 12:00:00 AM | 0.110547448 | 3.322306293 | 0.045932079 | 4.688772239 |
| 12/7/2009 | 12:00:00 AM | 0.11157093 | 4.157290296 | 0.046348408 | 4.21980814 |
| 12/8/2009 | 12:00:00 AM | 0.111904403 | 5.364610686 | 0.046671362 | 3.597466247 |
| 12/9/2009 | 12:00:00 AM | 0.111197836 | 5.373270545 | 0.046474878 | 3.603595269 |
| 12/10/2009 | 12:00:00 AM | 0.109734686 | 3.724959026 | 0.045761857 | 4.476893239 |
| 12/11/2009 | 12:00:00 AM | 0.109326709 | 3.220220314 | 0.045585089 | 4.752378353 |
| 12/12/2009 | 12:00:00 AM | 0.110715708 | 3.991941701 | 0.046115265 | 4.313453217 |
| 12/13/2009 | 12:00:00 AM | 0.11123256 | 5.2946732 | 0.046504449 | 3.63638894 |
| 12/14/2009 | 12:00:00 AM | 0.110580548 | 5.658991281 | 0.046402953 | 3.470666339 |
| 12/15/2009 | 12:00:00 AM | 0.1102812 | 5.500722695 | 0.046282501 | 3.548041359 |
| 12/16/2009 | 12:00:00 AM | 0.110255826 | 5.585376596 | 0.046303959 | 3.508169382 |
| 12/17/2009 | 12:00:00 AM | 0.110042151 | 5.961169724 | 0.046337285 | 3.328201323 |
| 12/18/2009 | 12:00:00 AM | 0.109570426 | 6.429160939 | 0.046328863 | 3.113742935 |
| 12/19/2009 | 12:00:00 AM | 0.109014476 | 6.734442205 | 0.046257144 | 2.979030981 |
| 12/20/2009 | 12:00:00 AM | 0.108639584 | 6.859165289 | 0.046189056 | 2.926376271 |
| 12/21/2009 | 12:00:00 AM | 0.108362877 | 6.988832799 | 0.046152028 | 2.86982476 |
| 12/22/2009 | 12:00:00 AM | 0.108035635 | 7.152260795 | 0.046110681 | 2.799880673 |
| 12/23/2009 | 12:00:00 AM | 0.107712151 | 7.275262355 | 0.046058863 | 2.748204348 |
| 12/24/2009 | 12:00:00 AM | 0.10841201 | 6.057769302 | 0.045946962 | 3.309539693 |
| 12/25/2009 | 12:00:00 AM | 0.104731147 | 1.957189908 | 0.044213248 | 5.603593971 |
| 12/26/2009 | 12:00:00 AM | 0.101430788 | 0.656051084 | 0.043186 | 6.594609564 |
| 12/27/2009 | 12:00:00 AM | 0.102389289 | 0.675658607 | 0.043525229 | 6.545539907 |
| 12/28/2009 | 12:00:00 AM | 0.103321491 | 0.879610082 | 0.043826102 | 6.365386707 |
| 12/29/2009 | 12:00:00 AM | 0.105934546 | 1.68290718 | 0.044650539 | 5.740674126 |
| 12/30/2009 | 12:00:00 AM | 0.106802501 | 2.443361895 | 0.044934681 | 5.244530637 |
| 12/31/2009 | 12:00:00 AM | 0.10754821 | 3.142488196 | 0.045216578 | 4.81568502 |
| 1/1/2010 | 12:00:00 AM | 0.108359628 | 4.070966231 | 0.045586793 | 4.290020973 |
| 1/2/2010 | 12:00:00 AM | 0.108221943 | 4.455693621 | 0.0456076 | 4.089710806 |
| 1/3/2010 | 12:00:00 AM | 0.10815812 | 4.381064635 | 0.045558021 | 4.126143909 |
| 1/4/2010 | 12:00:00 AM | 0.108450552 | 4.455588338 | 0.045649598 | 4.087440913 |
| 1/5/2010 | 12:00:00 AM | 0.1088898 | 4.849580675 | 0.045844224 | 3.881426661 |
| 1/6/2010 | 12:00:00 AM | 0.109123061 | 5.404450143 | 0.046013904 | 3.602902047 |
| 1/7/2010 | 12:00:00 AM | 0.109096972 | 5.790051824 | 0.046078306 | 3.41723501 |
| 1/8/2010 | 12:00:00 AM | 0.109131114 | 5.90723718 | 0.046106099 | 3.363619 |
| 1/9/2010 | 12:00:00 AM | 0.109284522 | 5.809631441 | 0.046113756 | 3.406503019 |
| 1/10/2010 | 12:00:00 AM | 0.109521891 | 5.947535927 | 0.04620606 | 3.339235901 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|-----------|-------------|-------------------|-------------|--------------------|-------------|
| 1/11/2010 | 12:00:00 AM | 0.109528485 | 6.331331255 | 0.046294147 | 3.158703193 |
| 1/12/2010 | 12:00:00 AM | 0.109307554 | 6.705400611 | 0.046321678 | 2.989289538 |
| 1/13/2010 | 12:00:00 AM | 0.109344462 | 6.664751949 | 0.046312883 | 3.009732531 |
| 1/14/2010 | 12:00:00 AM | 0.1096539 | 6.566690425 | 0.046363096 | 3.051149131 |
| 1/15/2010 | 12:00:00 AM | 0.109918371 | 6.546712102 | 0.046423156 | 3.058526049 |
| 1/16/2010 | 12:00:00 AM | 0.110141547 | 6.538118315 | 0.046474342 | 3.060843781 |
| 1/17/2010 | 12:00:00 AM | 0.110562057 | 6.206947525 | 0.046495865 | 3.212517887 |
| 1/18/2010 | 12:00:00 AM | 0.109687561 | 3.61780787 | 0.045722745 | 4.546723232 |
| 1/19/2010 | 12:00:00 AM | 0.10821078 | 2.454282749 | 0.045150781 | 5.223226966 |
| 1/20/2010 | 12:00:00 AM | 0.10828475 | 2.265731161 | 0.045162655 | 5.337691984 |
| 1/21/2010 | 12:00:00 AM | 0.109516049 | 2.559668403 | 0.045543493 | 5.149910284 |
| 1/22/2010 | 12:00:00 AM | 0.107932989 | 2.077891681 | 0.045026777 | 5.464035619 |
| 1/23/2010 | 12:00:00 AM | 0.106736243 | 1.642029767 | 0.044661959 | 5.767591097 |
| 1/24/2010 | 12:00:00 AM | 0.108084828 | 1.840808014 | 0.045073931 | 5.625119985 |
| 1/25/2010 | 12:00:00 AM | 0.109464935 | 2.211250355 | 0.04547193 | 5.369551366 |
| 1/26/2010 | 12:00:00 AM | 0.109671052 | 2.301879362 | 0.045514514 | 5.311999222 |
| 1/27/2010 | 12:00:00 AM | 0.110687427 | 2.560619815 | 0.045810149 | 5.142028841 |
| 1/28/2010 | 12:00:00 AM | 0.112015955 | 2.984752613 | 0.046208275 | 4.877553611 |
| 1/29/2010 | 12:00:00 AM | 0.113784848 | 3.731516143 | 0.046776266 | 4.440283679 |
| 1/30/2010 | 12:00:00 AM | 0.114129729 | 3.99863292 | 0.046890594 | 4.295377234 |
| 1/31/2010 | 12:00:00 AM | 0.110718997 | 2.570392238 | 0.045749438 | 5.141129162 |
| 2/1/2010 | 12:00:00 AM | 0.109872101 | 2.110594441 | 0.045481251 | 5.427878978 |
| 2/2/2010 | 12:00:00 AM | 0.111029384 | 2.261839345 | 0.045825929 | 5.329434921 |
| 2/3/2010 | 12:00:00 AM | 0.112891559 | 2.661528816 | 0.046347173 | 5.068217896 |
| 2/4/2010 | 12:00:00 AM | 0.11516733 | 3.288736334 | 0.047003952 | 4.685104826 |
| 2/5/2010 | 12:00:00 AM | 0.117133642 | 4.017943909 | 0.047603255 | 4.270833308 |
| 2/6/2010 | 12:00:00 AM | 0.113764776 | 2.745601288 | 0.046493558 | 5.020329744 |
| 2/7/2010 | 12:00:00 AM | 0.112174505 | 2.102084155 | 0.046000664 | 5.424634316 |
| 2/8/2010 | 12:00:00 AM | 0.112859586 | 2.053182194 | 0.046180961 | 5.450430787 |
| 2/9/2010 | 12:00:00 AM | 0.114701855 | 2.294294354 | 0.046679314 | 5.29259511 |
| 2/10/2010 | 12:00:00 AM | 0.112971371 | 1.930301628 | 0.046155685 | 5.5341386 |
| 2/11/2010 | 12:00:00 AM | 0.111730277 | 1.607507335 | 0.045802879 | 5.760066425 |
| 2/12/2010 | 12:00:00 AM | 0.113138004 | 1.687133254 | 0.046189089 | 5.704530843 |
| 2/13/2010 | 12:00:00 AM | 0.115654409 | 1.999450157 | 0.046849902 | 5.481687266 |
| 2/14/2010 | 12:00:00 AM | 0.118044129 | 2.355211897 | 0.047468135 | 5.243654655 |
| 2/15/2010 | 12:00:00 AM | 0.120946187 | 2.830840886 | 0.048234705 | 4.941286815 |
| 2/16/2010 | 12:00:00 AM | 0.12389289 | 3.41122998 | 0.049032118 | 4.594298578 |
| 2/17/2010 | 12:00:00 AM | 0.126477945 | 4.053003629 | 0.049763647 | 4.234405561 |
| 2/18/2010 | 12:00:00 AM | 0.128277167 | 4.678778379 | 0.050307989 | 3.901642659 |
| 2/19/2010 | 12:00:00 AM | 0.129303233 | 5.194356321 | 0.050653436 | 3.640161653 |
| 2/20/2010 | 12:00:00 AM | 0.129916678 | 5.575372444 | 0.050878128 | 3.45336178 |
| 2/21/2010 | 12:00:00 AM | 0.130411956 | 5.837725788 | 0.051051937 | 3.327049087 |
| 2/22/2010 | 12:00:00 AM | 0.130936102 | 6.00741466 | 0.051209929 | 3.245600131 |
| 2/23/2010 | 12:00:00 AM | 0.131626106 | 6.065287566 | 0.051382327 | 3.21806099 |
| 2/24/2010 | 12:00:00 AM | 0.132532675 | 6.069412914 | 0.051594822 | 3.214438018 |
| 2/25/2010 | 12:00:00 AM | 0.133366166 | 6.202600483 | 0.051827062 | 3.150184344 |
| 2/26/2010 | 12:00:00 AM | 0.133694786 | 6.446869092 | 0.051967434 | 3.034299541 |
| 2/27/2010 | 12:00:00 AM | 0.133796052 | 6.650468993 | 0.052041592 | 2.939959939 |
| 2/28/2010 | 12:00:00 AM | 0.134744559 | 6.545856383 | 0.052230552 | 2.987842194 |
| 3/1/2010 | 12:00:00 AM | 0.136791576 | 6.172947383 | 0.052614007 | 3.161491315 |
| 3/2/2010 | 12:00:00 AM | 0.138331557 | 6.218855924 | 0.052999097 | 3.135593808 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|-----------|-------------|-------------------|-------------|--------------------|-------------|
| 3/3/2010 | 12:00:00 AM | 0.13855149 | 6.418914934 | 0.053106951 | 3.041016642 |
| 3/4/2010 | 12:00:00 AM | 0.138816569 | 6.469785045 | 0.053178893 | 3.018084622 |
| 3/5/2010 | 12:00:00 AM | 0.139051702 | 6.624567104 | 0.053277169 | 2.943440344 |
| 3/6/2010 | 12:00:00 AM | 0.138592055 | 6.873710525 | 0.053237968 | 2.827650202 |
| 3/7/2010 | 12:00:00 AM | 0.138082778 | 7.045902828 | 0.053165979 | 2.749248893 |
| 3/8/2010 | 12:00:00 AM | 0.137901859 | 7.153311602 | 0.053151894 | 2.698938302 |
| 3/9/2010 | 12:00:00 AM | 0.138055127 | 7.214321592 | 0.053206414 | 2.671356754 |
| 3/10/2010 | 12:00:00 AM | 0.138919482 | 7.162740558 | 0.053395995 | 2.692974734 |
| 3/11/2010 | 12:00:00 AM | 0.141803512 | 6.733030487 | 0.053955331 | 2.892299411 |
| 3/12/2010 | 12:00:00 AM | 0.145706162 | 4.802388481 | 0.054363777 | 3.843222928 |
| 3/13/2010 | 12:00:00 AM | 0.148337999 | 4.432635476 | 0.054905967 | 4.015387525 |
| 3/14/2010 | 12:00:00 AM | 0.151241523 | 5.121518958 | 0.055780834 | 3.656308332 |
| 3/15/2010 | 12:00:00 AM | 0.150562359 | 6.102392301 | 0.055877236 | 3.172129339 |
| 3/16/2010 | 12:00:00 AM | 0.147572111 | 6.720065408 | 0.055338639 | 2.883706803 |
| 3/17/2010 | 12:00:00 AM | 0.145275696 | 7.083674023 | 0.054901983 | 2.716972036 |
| 3/18/2010 | 12:00:00 AM | 0.14404388 | 7.266312731 | 0.054663357 | 2.633610407 |
| 3/19/2010 | 12:00:00 AM | 0.143275132 | 7.414924605 | 0.054528424 | 2.564323709 |
| 3/20/2010 | 12:00:00 AM | 0.142942788 | 7.495121081 | 0.054477185 | 2.527236471 |
| 3/21/2010 | 12:00:00 AM | 0.142708393 | 7.584610079 | 0.054454519 | 2.485094959 |
| 3/22/2010 | 12:00:00 AM | 0.143503786 | 7.532015668 | 0.054626219 | 2.507258572 |
| 3/23/2010 | 12:00:00 AM | 0.146162344 | 7.299333312 | 0.055185051 | 2.613665397 |
| 3/24/2010 | 12:00:00 AM | 0.148784941 | 7.122152304 | 0.055753199 | 2.692268651 |
| 3/25/2010 | 12:00:00 AM | 0.148873528 | 7.272058531 | 0.055833079 | 2.619686795 |
| 3/26/2010 | 12:00:00 AM | 0.152236811 | 6.78764493 | 0.056472935 | 2.849533899 |
| 3/27/2010 | 12:00:00 AM | 0.158474481 | 5.579084677 | 0.05758566 | 3.434254645 |
| 3/28/2010 | 12:00:00 AM | 0.161932638 | 5.5028547 | 0.058394301 | 3.461624754 |
| 3/29/2010 | 12:00:00 AM | 0.161187228 | 6.284017612 | 0.058459742 | 3.072857615 |
| 3/30/2010 | 12:00:00 AM | 0.156975126 | 6.893357224 | 0.057655329 | 2.784878684 |
| 3/31/2010 | 12:00:00 AM | 0.153862385 | 7.206357365 | 0.057019148 | 2.639309224 |
| 4/1/2010 | 12:00:00 AM | 0.151707708 | 7.439360905 | 0.05658967 | 2.529837047 |
| 4/2/2010 | 12:00:00 AM | 0.149745402 | 7.631693487 | 0.056193658 | 2.439528788 |
| 4/3/2010 | 12:00:00 AM | 0.148244999 | 7.768832325 | 0.055888034 | 2.374577383 |
| 4/4/2010 | 12:00:00 AM | 0.14837895 | 7.765636959 | 0.055921765 | 2.374738058 |
| 4/5/2010 | 12:00:00 AM | 0.154332159 | 7.239215691 | 0.057154687 | 2.621941427 |
| 4/6/2010 | 12:00:00 AM | 0.162229791 | 6.513214686 | 0.058787608 | 2.964381658 |
| 4/7/2010 | 12:00:00 AM | 0.161757772 | 7.01241222 | 0.058858589 | 2.713808263 |
| 4/8/2010 | 12:00:00 AM | 0.155998034 | 7.499745564 | 0.057669167 | 2.485355691 |
| 4/9/2010 | 12:00:00 AM | 0.163321196 | 6.484891148 | 0.059048533 | 2.978076837 |
| 4/10/2010 | 12:00:00 AM | 0.170530894 | 5.404960377 | 0.060413142 | 3.502871423 |
| 4/11/2010 | 12:00:00 AM | 0.172075402 | 6.128505719 | 0.061035023 | 3.127520037 |
| 4/12/2010 | 12:00:00 AM | 0.163936581 | 7.12354312 | 0.059453824 | 2.644575664 |
| 4/13/2010 | 12:00:00 AM | 0.15598125 | 7.607335916 | 0.057740007 | 2.4183768 |
| 4/14/2010 | 12:00:00 AM | 0.15091436 | 7.911820408 | 0.056653188 | 2.273588164 |
| 4/15/2010 | 12:00:00 AM | 0.14746018 | 8.093844746 | 0.055906837 | 2.186584358 |
| 4/16/2010 | 12:00:00 AM | 0.144911246 | 8.230513537 | 0.055358975 | 2.119733231 |
| 4/17/2010 | 12:00:00 AM | 0.142365889 | 8.366635621 | 0.054813247 | 2.052640524 |
| 4/18/2010 | 12:00:00 AM | 0.139565251 | 8.507291907 | 0.054209303 | 1.983826151 |
| 4/19/2010 | 12:00:00 AM | 0.136481224 | 8.653231267 | 0.053539587 | 1.912144825 |
| 4/20/2010 | 12:00:00 AM | 0.133103788 | 8.80403751 | 0.052803453 | 1.83884414 |
| 4/21/2010 | 12:00:00 AM | 0.129367789 | 8.960242755 | 0.05198185 | 1.762644753 |
| 4/22/2010 | 12:00:00 AM | 0.125278268 | 9.122000262 | 0.051080515 | 1.684206177 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|-----------|-------------|-------------------|-------------|--------------------|-------------|
| 4/23/2010 | 12:00:00 AM | 0.120772989 | 9.289694441 | 0.050080766 | 1.602857198 |
| 4/24/2010 | 12:00:00 AM | 0.119164416 | 9.314502505 | 0.049711292 | 1.589048473 |
| 4/25/2010 | 12:00:00 AM | 0.11924143 | 9.309166712 | 0.049736422 | 1.586842262 |
| 4/26/2010 | 12:00:00 AM | 0.157475026 | 6.990222756 | 0.057942071 | 2.694323729 |
| 4/27/2010 | 12:00:00 AM | 0.17016846 | 6.822716014 | 0.060920822 | 2.74364089 |
| 4/28/2010 | 12:00:00 AM | 0.161328552 | 7.626730642 | 0.059143831 | 2.349109209 |
| 4/29/2010 | 12:00:00 AM | 0.155707688 | 7.789581239 | 0.057873204 | 2.277621868 |
| 4/30/2010 | 12:00:00 AM | 0.155115436 | 7.830571884 | 0.057754376 | 2.254073846 |
| 5/1/2010 | 12:00:00 AM | 0.154535271 | 7.872326429 | 0.057641715 | 2.230650206 |
| 5/2/2010 | 12:00:00 AM | 0.153925606 | 7.914884411 | 0.057521997 | 2.206744171 |
| 5/3/2010 | 12:00:00 AM | 0.153270151 | 7.957686738 | 0.05739184 | 2.182965744 |
| 5/4/2010 | 12:00:00 AM | 0.152579009 | 8.001335651 | 0.057253133 | 2.158609345 |
| 5/5/2010 | 12:00:00 AM | 0.151849353 | 8.045132357 | 0.057105925 | 2.134808087 |
| 5/6/2010 | 12:00:00 AM | 0.151091437 | 8.090000875 | 0.056952116 | 2.109863676 |
| 5/7/2010 | 12:00:00 AM | 0.150285276 | 8.134963567 | 0.056787539 | 2.084847853 |
| 5/8/2010 | 12:00:00 AM | 0.149435048 | 8.180460351 | 0.056612255 | 2.059676413 |
| 5/9/2010 | 12:00:00 AM | 0.148541656 | 8.226499719 | 0.056426874 | 2.034133039 |
| 5/10/2010 | 12:00:00 AM | 0.147602932 | 8.273025976 | 0.056231111 | 2.008516418 |
| 5/11/2010 | 12:00:00 AM | 0.146612775 | 8.320102329 | 0.056022718 | 1.982156732 |
| 5/12/2010 | 12:00:00 AM | 0.145578978 | 8.367587381 | 0.05580486 | 1.956257657 |
| 5/13/2010 | 12:00:00 AM | 0.144499983 | 8.41605167 | 0.055576118 | 1.929682262 |
| 5/14/2010 | 12:00:00 AM | 0.14337142 | 8.465026993 | 0.055336309 | 1.902353552 |
| 5/15/2010 | 12:00:00 AM | 0.14217742 | 8.514242379 | 0.055080403 | 1.875463416 |
| 5/16/2010 | 12:00:00 AM | 0.140934063 | 8.564364363 | 0.054813356 | 1.847711214 |
| 5/17/2010 | 12:00:00 AM | 0.13963741 | 8.615121571 | 0.054534129 | 1.819764794 |
| 5/18/2010 | 12:00:00 AM | 0.138272451 | 8.666343365 | 0.054237894 | 1.791572658 |
| 5/19/2010 | 12:00:00 AM | 0.136852138 | 8.718354908 | 0.053929654 | 1.763074287 |
| 5/20/2010 | 12:00:00 AM | 0.135358235 | 8.770783561 | 0.053603087 | 1.734276565 |
| 5/21/2010 | 12:00:00 AM | 0.133809571 | 8.824168383 | 0.053264499 | 1.705036593 |
| 5/22/2010 | 12:00:00 AM | 0.132181939 | 8.878025212 | 0.052906187 | 1.67554208 |
| 5/23/2010 | 12:00:00 AM | 0.130487738 | 8.932767832 | 0.052532941 | 1.645536225 |
| 5/24/2010 | 12:00:00 AM | 0.128718493 | 8.988128425 | 0.052141605 | 1.615208213 |
| 5/25/2010 | 12:00:00 AM | 0.126869382 | 9.044198454 | 0.051731103 | 1.584543006 |
| 5/26/2010 | 12:00:00 AM | 0.125285693 | 9.088255852 | 0.051378387 | 1.559813239 |
| 5/27/2010 | 12:00:00 AM | 0.124861798 | 9.091813097 | 0.051284205 | 1.554688444 |
| 5/28/2010 | 12:00:00 AM | 0.13064151 | 8.874350425 | 0.052574544 | 1.656674973 |
| 5/29/2010 | 12:00:00 AM | 0.130489424 | 8.952562532 | 0.052595532 | 1.612211068 |
| 5/30/2010 | 12:00:00 AM | 0.12692452 | 9.048622955 | 0.051789888 | 1.562817378 |
| 5/31/2010 | 12:00:00 AM | 0.12665377 | 9.03463482 | 0.051720658 | 1.566428634 |
| 6/1/2010 | 12:00:00 AM | 0.123944669 | 9.140178669 | 0.051132838 | 1.510813841 |
| 6/2/2010 | 12:00:00 AM | 0.120059731 | 9.238058605 | 0.050249149 | 1.460084982 |
| 6/3/2010 | 12:00:00 AM | 0.117303809 | 9.30465302 | 0.049619843 | 1.426179489 |
| 6/4/2010 | 12:00:00 AM | 0.115269134 | 9.353754202 | 0.049155326 | 1.400713123 |
| 6/5/2010 | 12:00:00 AM | 0.113810326 | 9.386935097 | 0.048821912 | 1.382964418 |
| 6/6/2010 | 12:00:00 AM | 0.112971663 | 9.404059606 | 0.048630651 | 1.373029652 |
| 6/7/2010 | 12:00:00 AM | 0.112350024 | 9.418391339 | 0.048491318 | 1.363630668 |
| 6/8/2010 | 12:00:00 AM | 0.111726764 | 9.432789004 | 0.048351522 | 1.355165559 |
| 6/9/2010 | 12:00:00 AM | 0.111177097 | 9.444492588 | 0.048227953 | 1.347569065 |
| 6/10/2010 | 12:00:00 AM | 0.111016994 | 9.444767449 | 0.048192395 | 1.345039774 |
| 6/11/2010 | 12:00:00 AM | 0.114391265 | 9.336638129 | 0.048954009 | 1.396255962 |
| 6/12/2010 | 12:00:00 AM | 0.117833178 | 9.259952963 | 0.049753938 | 1.430536763 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|-----------|-------------|-------------------|-------------|--------------------|-------------|
| 6/13/2010 | 12:00:00 AM | 0.121152017 | 9.168367071 | 0.050513701 | 1.473117729 |
| 6/14/2010 | 12:00:00 AM | 0.123642651 | 9.111770827 | 0.051093775 | 1.498301585 |
| 6/15/2010 | 12:00:00 AM | 0.123186785 | 9.140533031 | 0.051006153 | 1.482427729 |
| 6/16/2010 | 12:00:00 AM | 0.121857713 | 9.172474511 | 0.050704379 | 1.465319339 |
| 6/17/2010 | 12:00:00 AM | 0.118649796 | 9.267895461 | 0.04998271 | 1.416233528 |
| 6/18/2010 | 12:00:00 AM | 0.116744117 | 9.298259695 | 0.049537314 | 1.400928771 |
| 6/19/2010 | 12:00:00 AM | 0.119043571 | 9.220030632 | 0.050052387 | 1.437069349 |
| 6/20/2010 | 12:00:00 AM | 0.120412655 | 9.201717492 | 0.050381271 | 1.443765672 |
| 6/21/2010 | 12:00:00 AM | 0.118416197 | 9.265654372 | 0.049937959 | 1.409989066 |
| 6/22/2010 | 12:00:00 AM | 0.116510966 | 9.303967326 | 0.049498751 | 1.390343405 |
| 6/23/2010 | 12:00:00 AM | 0.11433866 | 9.361245138 | 0.049006199 | 1.360303542 |
| 6/24/2010 | 12:00:00 AM | 0.111952082 | 9.415542471 | 0.048458797 | 1.33186206 |
| 6/25/2010 | 12:00:00 AM | 0.110350015 | 9.447717121 | 0.04808904 | 1.314621658 |
| 6/26/2010 | 12:00:00 AM | 0.109178824 | 9.473089108 | 0.047821112 | 1.300446546 |
| 6/27/2010 | 12:00:00 AM | 0.108605311 | 9.481472367 | 0.047688295 | 1.294440944 |
| 6/28/2010 | 12:00:00 AM | 0.108855437 | 9.471280993 | 0.047745467 | 1.297406739 |
| 6/29/2010 | 12:00:00 AM | 0.108496023 | 9.483820055 | 0.047670149 | 1.28973111 |
| 6/30/2010 | 12:00:00 AM | 0.107732334 | 9.499344482 | 0.047495851 | 1.280396346 |
| 7/1/2010 | 12:00:00 AM | 0.107395747 | 9.503333029 | 0.047418575 | 1.275770081 |
| 7/2/2010 | 12:00:00 AM | 0.110515874 | 9.41182264 | 0.048125716 | 1.319859671 |
| 7/3/2010 | 12:00:00 AM | 0.114976261 | 9.309531946 | 0.049153892 | 1.370312024 |
| 7/4/2010 | 12:00:00 AM | 0.121170157 | 9.148384059 | 0.05056727 | 1.450632133 |
| 7/5/2010 | 12:00:00 AM | 0.126414967 | 9.03110335 | 0.051778378 | 1.508336423 |
| 7/6/2010 | 12:00:00 AM | 0.123455548 | 9.15540121 | 0.051136791 | 1.446420837 |
| 7/7/2010 | 12:00:00 AM | 0.117627014 | 9.289975593 | 0.049793372 | 1.382063454 |
| 7/8/2010 | 12:00:00 AM | 0.113939875 | 9.366106171 | 0.048934189 | 1.346325644 |
| 7/9/2010 | 12:00:00 AM | 0.11219758 | 9.399915398 | 0.048525008 | 1.33101142 |
| 7/10/2010 | 12:00:00 AM | 0.114751351 | 9.316672465 | 0.049092961 | 1.372913247 |
| 7/11/2010 | 12:00:00 AM | 0.118864808 | 9.219687653 | 0.050037611 | 1.420833962 |
| 7/12/2010 | 12:00:00 AM | 0.127803962 | 8.961681401 | 0.052061792 | 1.549670154 |
| 7/13/2010 | 12:00:00 AM | 0.140156622 | 8.616263439 | 0.054868715 | 1.719705502 |
| 7/14/2010 | 12:00:00 AM | 0.139174719 | 8.749002718 | 0.05471653 | 1.650966744 |
| 7/15/2010 | 12:00:00 AM | 0.131051079 | 8.970469263 | 0.052868329 | 1.543919384 |
| 7/16/2010 | 12:00:00 AM | 0.126549259 | 9.057679493 | 0.051816913 | 1.503786146 |
| 7/17/2010 | 12:00:00 AM | 0.121653092 | 9.198145277 | 0.050704744 | 1.435052645 |
| 7/18/2010 | 12:00:00 AM | 0.116890425 | 9.304575764 | 0.049602896 | 1.384797247 |
| 7/19/2010 | 12:00:00 AM | 0.114148706 | 9.362277192 | 0.048963532 | 1.357758311 |
| 7/20/2010 | 12:00:00 AM | 0.112053069 | 9.412093465 | 0.048479338 | 1.334523447 |
| 7/21/2010 | 12:00:00 AM | 0.110349239 | 9.450449685 | 0.048083345 | 1.316754313 |
| 7/22/2010 | 12:00:00 AM | 0.10901799 | 9.480727153 | 0.047774092 | 1.303230706 |
| 7/23/2010 | 12:00:00 AM | 0.108157187 | 9.499170885 | 0.047572434 | 1.295380751 |
| 7/24/2010 | 12:00:00 AM | 0.107489053 | 9.515192984 | 0.047416668 | 1.288659198 |
| 7/25/2010 | 12:00:00 AM | 0.107010933 | 9.525768551 | 0.047304063 | 1.283580941 |
| 7/26/2010 | 12:00:00 AM | 0.106494736 | 9.539392252 | 0.04718436 | 1.278003832 |
| 7/27/2010 | 12:00:00 AM | 0.106039686 | 9.549690544 | 0.047077332 | 1.274446757 |
| 7/28/2010 | 12:00:00 AM | 0.105903018 | 9.552296843 | 0.047043007 | 1.273754128 |
| 7/29/2010 | 12:00:00 AM | 0.106173701 | 9.544952402 | 0.047102284 | 1.27813372 |
| 7/30/2010 | 12:00:00 AM | 0.106269558 | 9.545383759 | 0.047124838 | 1.278315346 |
| 7/31/2010 | 12:00:00 AM | 0.10637761 | 9.542592055 | 0.047147443 | 1.281134395 |
| 8/1/2010 | 12:00:00 AM | 0.10769399 | 9.505291661 | 0.047443795 | 1.300183665 |
| 8/2/2010 | 12:00:00 AM | 0.108357979 | 9.498007184 | 0.047601535 | 1.303760617 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|-----------|-------------|-------------------|-------------|--------------------|-------------|
| 8/3/2010 | 12:00:00 AM | 0.108375073 | 9.481055138 | 0.04764221 | 1.268506504 |
| 8/4/2010 | 12:00:00 AM | 0.107324396 | 9.496798916 | 0.047419551 | 1.256344524 |
| 8/5/2010 | 12:00:00 AM | 0.106411789 | 9.51526472 | 0.047211822 | 1.249341031 |
| 8/6/2010 | 12:00:00 AM | 0.105872867 | 9.525622953 | 0.047090402 | 1.246615308 |
| 8/7/2010 | 12:00:00 AM | 0.105711494 | 9.529226045 | 0.047050225 | 1.246790551 |
| 8/8/2010 | 12:00:00 AM | 0.105706665 | 9.530660212 | 0.047045487 | 1.248713155 |
| 8/9/2010 | 12:00:00 AM | 0.106407691 | 9.512841181 | 0.047200709 | 1.26027524 |
| 8/10/2010 | 12:00:00 AM | 0.110948905 | 9.391242727 | 0.048229763 | 1.323791422 |
| 8/11/2010 | 12:00:00 AM | 0.109707555 | 9.467453279 | 0.047976426 | 1.286881209 |
| 8/12/2010 | 12:00:00 AM | 0.107460367 | 9.50143255 | 0.047441054 | 1.274249719 |
| 8/13/2010 | 12:00:00 AM | 0.108487014 | 9.469371018 | 0.047664439 | 1.292066314 |
| 8/14/2010 | 12:00:00 AM | 0.108666894 | 9.477488411 | 0.047710749 | 1.290544993 |
| 8/15/2010 | 12:00:00 AM | 0.10771532 | 9.502412574 | 0.047488925 | 1.281234317 |
| 8/16/2010 | 12:00:00 AM | 0.106785045 | 9.524437922 | 0.047269561 | 1.273207344 |
| 8/17/2010 | 12:00:00 AM | 0.113737831 | 9.314708029 | 0.04883078 | 1.380406603 |
| 8/18/2010 | 12:00:00 AM | 0.119497761 | 9.207504144 | 0.05017267 | 1.433411894 |
| 8/19/2010 | 12:00:00 AM | 0.118491422 | 9.262257346 | 0.049960703 | 1.408718825 |
| 8/20/2010 | 12:00:00 AM | 0.113834044 | 9.386473074 | 0.048893439 | 1.35023054 |
| 8/21/2010 | 12:00:00 AM | 0.110273508 | 9.460494171 | 0.048060644 | 1.317877487 |
| 8/22/2010 | 12:00:00 AM | 0.108319397 | 9.504398858 | 0.047602247 | 1.299394459 |
| 8/23/2010 | 12:00:00 AM | 0.107353967 | 9.524816122 | 0.047372029 | 1.29240837 |
| 8/24/2010 | 12:00:00 AM | 0.111874059 | 9.384797342 | 0.048382769 | 1.364420859 |
| 8/25/2010 | 12:00:00 AM | 0.114299402 | 9.357243642 | 0.048957407 | 1.378641187 |
| 8/26/2010 | 12:00:00 AM | 0.111144507 | 9.458649612 | 0.048244819 | 1.331918825 |
| 8/27/2010 | 12:00:00 AM | 0.108152858 | 9.520817147 | 0.047543908 | 1.305748495 |
| 8/28/2010 | 12:00:00 AM | 0.10660304 | 9.557562578 | 0.047179749 | 1.290850998 |
| 8/29/2010 | 12:00:00 AM | 0.105704971 | 9.578608121 | 0.04696647 | 1.284099582 |
| 8/30/2010 | 12:00:00 AM | 0.105234039 | 9.59142583 | 0.046852441 | 1.280289794 |
| 8/31/2010 | 12:00:00 AM | 0.105113294 | 9.595470765 | 0.046818881 | 1.281052897 |
| 9/1/2010 | 12:00:00 AM | 0.105102282 | 9.59865731 | 0.046811862 | 1.282623958 |
| 9/2/2010 | 12:00:00 AM | 0.105228426 | 9.597424034 | 0.046835396 | 1.286465593 |
| 9/3/2010 | 12:00:00 AM | 0.10513973 | 9.608158041 | 0.046805511 | 1.288556075 |
| 9/4/2010 | 12:00:00 AM | 0.10480482 | 9.625508344 | 0.046716344 | 1.288915427 |
| 9/5/2010 | 12:00:00 AM | 0.104604494 | 9.637857664 | 0.046656283 | 1.291542273 |
| 9/6/2010 | 12:00:00 AM | 0.104538359 | 9.648212335 | 0.046627486 | 1.295456712 |
| 9/7/2010 | 12:00:00 AM | 0.104492806 | 9.658434589 | 0.046603535 | 1.299426182 |
| 9/8/2010 | 12:00:00 AM | 0.104470322 | 9.668183889 | 0.046584524 | 1.303696902 |
| 9/9/2010 | 12:00:00 AM | 0.104444479 | 9.678449073 | 0.046564832 | 1.307860743 |
| 9/10/2010 | 12:00:00 AM | 0.104406693 | 9.68920642 | 0.046542127 | 1.311850153 |
| 9/11/2010 | 12:00:00 AM | 0.104368587 | 9.700057435 | 0.046519274 | 1.315861801 |
| 9/12/2010 | 12:00:00 AM | 0.104327705 | 9.711283486 | 0.046495585 | 1.319802581 |
| 9/13/2010 | 12:00:00 AM | 0.104294706 | 9.722248811 | 0.046473667 | 1.323862207 |
| 9/14/2010 | 12:00:00 AM | 0.104251157 | 9.733985353 | 0.046449201 | 1.327796499 |
| 9/15/2010 | 12:00:00 AM | 0.104209079 | 9.745450073 | 0.046425129 | 1.331548908 |
| 9/16/2010 | 12:00:00 AM | 0.104175941 | 9.757042958 | 0.046402774 | 1.335708252 |
| 9/17/2010 | 12:00:00 AM | 0.10415446 | 9.768182349 | 0.046383231 | 1.339924034 |
| 9/18/2010 | 12:00:00 AM | 0.104126469 | 9.779880044 | 0.046362133 | 1.343949749 |
| 9/19/2010 | 12:00:00 AM | 0.104105207 | 9.791099435 | 0.046342657 | 1.348056079 |
| 9/20/2010 | 12:00:00 AM | 0.104071607 | 9.803252238 | 0.046320198 | 1.352202983 |
| 9/21/2010 | 12:00:00 AM | 0.10403348 | 9.815155054 | 0.046296974 | 1.355906671 |
| 9/22/2010 | 12:00:00 AM | 0.104015918 | 9.826590582 | 0.046278055 | 1.360295932 |

| Date | Time | NH3 & NH4+ (mg/L) | NO3 (mg/L) | Tot. Sol. P (mg/L) | CO2 (mg/L) |
|------------------|-------------|------------------------------|-------------------|---------------------------|-------------------|
| 9/23/2010 | 12:00:00 AM | 0.104002344 | 9.837931216 | 0.046260439 | 1.364588397 |
| 9/24/2010 | 12:00:00 AM | 0.103985119 | 9.849466116 | 0.046241871 | 1.368727499 |
| 9/25/2010 | 12:00:00 AM | 0.103965424 | 9.860946986 | 0.046223021 | 1.372837145 |
| 9/26/2010 | 12:00:00 AM | 0.103947205 | 9.872551721 | 0.046204246 | 1.377192951 |
| 9/27/2010 | 12:00:00 AM | 0.103921765 | 9.884287039 | 0.046184262 | 1.381257363 |
| 9/28/2010 | 12:00:00 AM | 0.104222403 | 9.881552853 | 0.046235685 | 1.392244402 |
| 9/29/2010 | 12:00:00 AM | 0.104057733 | 9.90286721 | 0.046187512 | 1.391697885 |
| 9/30/2010 | 12:00:00 AM | 0.103776226 | 9.918507642 | 0.046108385 | 1.393517704 |
| 10/1/2010 | 12:00:00 AM | 0.103655142 | 9.93047029 | 0.04606611 | 1.397352387 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 8.6 | 0 | 4.6 | 3.7 | 12 |
| 5.725215297 | 0.000529484 | 3.693173362 | 4.775188828 | 51.2054093 |
| 5.806563566 | 0.000591397 | 4.226079252 | 5.625226382 | 59.43686498 |
| 5.590815834 | 0.000403931 | 3.837310258 | 6.286380482 | 96.00352063 |
| 5.356643298 | 0.000249327 | 3.89057675 | 6.965215067 | 118.7293464 |
| 5.350699551 | 0.000243529 | 4.373888498 | 7.549945703 | 123.3741718 |
| 5.58969215 | 0.000338599 | 5.914774628 | 8.954813425 | 121.3874868 |
| 5.641687277 | 0.000332282 | 5.15561034 | 8.093602543 | 116.1918814 |
| 5.661079619 | 0.000332125 | 4.896187758 | 7.797707525 | 114.3623288 |
| 5.747058709 | 0.000360669 | 5.085836346 | 7.88908057 | 111.1672495 |
| 5.802002187 | 0.000374856 | 4.954584805 | 7.67814185 | 108.0099312 |
| 5.634323602 | 0.000318572 | 4.400495317 | 7.290345363 | 112.9801744 |
| 5.332604022 | 0.000217804 | 3.937800978 | 7.128550686 | 123.0606906 |
| 5.406908308 | 0.000264368 | 4.838666776 | 8.038428145 | 125.1295504 |
| 5.601255773 | 0.000341797 | 6.0249471 | 9.072108285 | 121.8546792 |
| 5.736794828 | 0.00036806 | 5.595003381 | 8.433291135 | 113.4143223 |
| 5.824335338 | 0.000385839 | 5.112955392 | 7.805287984 | 107.189798 |
| 5.945325308 | 0.000420074 | 5.068283728 | 7.591232754 | 100.9693455 |
| 6.172367993 | 0.000482208 | 5.177748641 | 7.382344689 | 89.75242442 |
| 6.64089136 | 0.000587777 | 5.285361309 | 6.82345601 | 66.28517641 |
| 6.932836968 | 0.000634918 | 4.555276328 | 5.662819564 | 49.78614006 |
| 7.071173461 | 0.000655355 | 4.256610778 | 5.163571201 | 42.25114542 |
| 7.149681652 | 0.000667151 | 4.155302632 | 4.95020439 | 38.17471346 |
| 7.194099652 | 0.000673678 | 4.098833918 | 4.829868499 | 35.87055731 |
| 7.189347952 | 0.000672874 | 4.054929338 | 4.786885365 | 35.83026231 |
| 7.177370202 | 0.000671479 | 4.056339195 | 4.800597411 | 36.25700055 |
| 7.18037439 | 0.00067219 | 4.067786117 | 4.8074039 | 36.11666233 |
| 7.208646775 | 0.000676897 | 4.077021936 | 4.777100023 | 34.75499 |
| 7.224913593 | 0.000679408 | 4.054334844 | 4.72902064 | 33.84354707 |
| 7.260580534 | 0.000684791 | 4.054717221 | 4.681794452 | 32.19913472 |
| 7.332189596 | 0.000695509 | 4.050143478 | 4.579654199 | 28.82410396 |
| 7.392053293 | 0.00070382 | 4.003222281 | 4.449216328 | 25.87157036 |
| 7.439364441 | 0.000710212 | 3.968215593 | 4.349319454 | 23.57656615 |
| 7.475732753 | 0.000715135 | 3.940760273 | 4.270841551 | 21.78375746 |
| 7.501083091 | 0.00071853 | 3.918830685 | 4.213026254 | 20.51661124 |
| 7.236112303 | 0.000680399 | 3.821634053 | 4.452140746 | 31.93429602 |
| 7.135160623 | 0.000667957 | 4.010293615 | 4.778506394 | 37.00264096 |
| 7.293815867 | 0.000693217 | 4.155227997 | 4.719638004 | 30.18893786 |
| 7.396326062 | 0.000706665 | 4.026933069 | 4.449545609 | 25.09074093 |
| 7.46251481 | 0.000715353 | 3.963568375 | 4.294730254 | 21.84956431 |
| 7.506886012 | 0.000721084 | 3.923821752 | 4.193827021 | 19.69117104 |
| 7.538081127 | 0.000725129 | 3.898990097 | 4.125737967 | 18.17330149 |
| 7.543521733 | 0.000725528 | 3.875734703 | 4.094969637 | 17.88041295 |
| 7.523042938 | 0.000723489 | 3.868631852 | 4.106676518 | 18.51551039 |
| 7.510812784 | 0.000722262 | 3.878706805 | 4.13041934 | 18.99515137 |
| 7.499771331 | 0.00072116 | 3.883819904 | 4.146988177 | 19.39515436 |
| 7.514761626 | 0.00072354 | 3.896607518 | 4.138702227 | 18.68687916 |
| 7.546706898 | 0.00072788 | 3.891603772 | 4.090172615 | 17.19041918 |
| 7.57001129 | 0.000730913 | 3.871973097 | 4.037354885 | 16.02716736 |
| 7.587410947 | 0.000733279 | 3.858961022 | 3.998772864 | 15.13150657 |
| 7.604343377 | 0.000735603 | 3.849521055 | 3.964438384 | 14.2697876 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 7.613878625 | 0.000736902 | 3.83847196 | 3.938555362 | 13.74557315 |
| 7.621372751 | 0.00073807 | 3.833372409 | 3.920811403 | 13.30705461 |
| 7.629446618 | 0.000739266 | 3.82910715 | 3.903789608 | 12.86391045 |
| 7.635698463 | 0.000740247 | 3.824242686 | 3.88813262 | 12.48926857 |
| 7.638596178 | 0.000740882 | 3.819724403 | 3.876389593 | 12.23632978 |
| 7.640593841 | 0.000741269 | 3.816941315 | 3.869192859 | 12.08170364 |
| 7.639097734 | 0.000741261 | 3.814776883 | 3.866732577 | 12.06890821 |
| 7.630496427 | 0.000740669 | 3.81374106 | 3.871489822 | 12.26628556 |
| 7.634232372 | 0.00074139 | 3.819654287 | 3.871128469 | 12.05739581 |
| 7.635880907 | 0.000741768 | 3.816004671 | 3.86291346 | 11.89827026 |
| 7.63423639 | 0.000741748 | 3.81384134 | 3.860591345 | 11.88946147 |
| 7.630476758 | 0.000741634 | 3.813897599 | 3.861798456 | 11.92882081 |
| 7.629411755 | 0.000741884 | 3.815547843 | 3.861158383 | 11.85273599 |
| 7.629375897 | 0.000742187 | 3.814919251 | 3.857295722 | 11.7416799 |
| 7.628635157 | 0.000742282 | 3.81346935 | 3.854633836 | 11.69785637 |
| 7.625387726 | 0.000742133 | 3.812798334 | 3.855349763 | 11.7442449 |
| 7.616227745 | 0.000741367 | 3.812268044 | 3.862497162 | 12.00583997 |
| 7.603880702 | 0.000740155 | 3.814778025 | 3.877775698 | 12.44332037 |
| 7.604131228 | 0.000740541 | 3.823685008 | 3.884257793 | 12.37165687 |
| 7.609499756 | 0.000740628 | 3.821428176 | 3.880654021 | 12.32378323 |
| 7.602305494 | 0.000740679 | 3.821407647 | 3.880114045 | 12.30558896 |
| 7.605188575 | 0.00074138 | 3.823051111 | 3.874911838 | 12.0733267 |
| 7.608614458 | 0.000742005 | 3.82027776 | 3.865243394 | 11.83502892 |
| 7.6088365 | 0.000742339 | 3.817337429 | 3.858384148 | 11.69758863 |
| 7.612971185 | 0.000742423 | 3.815721727 | 3.855574806 | 11.65597569 |
| 7.607649778 | 0.000742488 | 3.815579476 | 3.854779274 | 11.63197346 |
| 7.605634231 | 0.000742498 | 3.815474043 | 3.854531734 | 11.62695525 |
| 7.604883512 | 0.0007425 | 3.815697376 | 3.854753317 | 11.62702536 |
| 7.602747841 | 0.000742503 | 3.815970898 | 3.855026831 | 11.62724684 |
| 7.600594347 | 0.000742505 | 3.816240803 | 3.855296736 | 11.62746736 |
| 7.598189431 | 0.000742508 | 3.816515489 | 3.855571423 | 11.62769002 |
| 7.584511879 | 0.00074156 | 3.814868283 | 3.863307169 | 11.94530092 |
| 7.525023371 | 0.000734404 | 3.806410769 | 3.925806536 | 14.34818127 |
| 7.299878314 | 0.000704778 | 3.794322736 | 4.198560771 | 24.10808662 |
| 7.303715544 | 0.000708031 | 3.974271833 | 4.376671629 | 24.30370341 |
| 7.43484002 | 0.000725965 | 3.990470519 | 4.221657305 | 18.45904026 |
| 7.493336288 | 0.00073254 | 3.894640834 | 4.046244069 | 15.59210746 |
| 7.391637142 | 0.000718843 | 3.829700863 | 4.105827959 | 19.73789279 |
| 7.358698894 | 0.000715799 | 3.906070975 | 4.224127659 | 21.27834416 |
| 7.351396283 | 0.000715217 | 3.920712053 | 4.246296907 | 21.55686566 |
| 7.218554256 | 0.000696725 | 3.885776467 | 4.379065168 | 27.25750103 |
| 7.145804832 | 0.000687813 | 3.974157678 | 4.562108341 | 30.64523575 |
| 7.221435243 | 0.000699849 | 4.058308576 | 4.548737895 | 27.40896954 |
| 7.255556034 | 0.000702974 | 3.989112921 | 4.440245777 | 25.96302663 |
| 7.311686512 | 0.000709724 | 3.988323346 | 4.376160932 | 23.79141879 |
| 7.344799197 | 0.000712814 | 3.953897781 | 4.307305599 | 22.5601997 |
| 7.398553322 | 0.000718929 | 3.950938637 | 4.245219447 | 20.53641432 |
| 7.473976082 | 0.000727619 | 3.933825129 | 4.140571488 | 17.51895617 |
| 7.527619874 | 0.000733137 | 3.891772833 | 4.037097029 | 15.36178611 |
| 7.56633866 | 0.000736783 | 3.866687844 | 3.971612509 | 13.9458121 |
| 7.590625601 | 0.000738738 | 3.849204546 | 3.931528434 | 13.1528489 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 7.609619186 | 0.000740091 | 3.840491511 | 3.907743726 | 12.62654019 |
| 7.605345464 | 0.000738544 | 3.82883033 | 3.909755848 | 13.07999503 |
| 7.597656673 | 0.000736757 | 3.835336052 | 3.935453434 | 13.74549278 |
| 7.615240539 | 0.000738138 | 3.849940719 | 3.938536418 | 13.37219208 |
| 7.604125663 | 0.000735731 | 3.835484962 | 3.945785237 | 14.09684743 |
| 7.595181836 | 0.000733827 | 3.846989215 | 3.978439016 | 14.83408584 |
| 7.61239646 | 0.000735209 | 3.862070694 | 3.982142561 | 14.46611664 |
| 7.646761357 | 0.000738556 | 3.860094479 | 3.945874217 | 13.29661272 |
| 7.673546486 | 0.000740796 | 3.844631676 | 3.905144855 | 12.41190782 |
| 7.689400578 | 0.000741779 | 3.833891077 | 3.882674317 | 11.99732021 |
| 7.699575182 | 0.000742296 | 3.829556047 | 3.872290272 | 11.78775562 |
| 7.708043319 | 0.000742456 | 3.8268435 | 3.867494213 | 11.71319937 |
| 7.713519134 | 0.000742472 | 3.826062892 | 3.866428313 | 11.7025552 |
| 7.721116938 | 0.000742474 | 3.826257901 | 3.866621968 | 11.70366266 |
| 7.731533096 | 0.000742529 | 3.826669735 | 3.866521981 | 11.68752887 |
| 7.737725483 | 0.00074254 | 3.826607056 | 3.866317978 | 11.68362056 |
| 7.746864884 | 0.000742594 | 3.826974267 | 3.866172451 | 11.66736876 |
| 7.755098483 | 0.000742658 | 3.827048804 | 3.865590328 | 11.64587549 |
| 7.759980808 | 0.000742667 | 3.826941696 | 3.865343998 | 11.64194888 |
| 7.769007341 | 0.000742721 | 3.827296817 | 3.865178508 | 11.62578028 |
| 7.777876865 | 0.000742784 | 3.827361807 | 3.864593835 | 11.6044794 |
| 7.785756712 | 0.000742742 | 3.827135431 | 3.864745218 | 11.61794316 |
| 7.792330987 | 0.000742788 | 3.827833378 | 3.865067461 | 11.60672694 |
| 7.810135654 | 0.000742747 | 3.827695509 | 3.865303597 | 11.62129365 |
| 7.831076044 | 0.000742794 | 3.828387768 | 3.865620694 | 11.61124664 |
| 7.852365875 | 0.000742806 | 3.828370026 | 3.865462443 | 11.6084841 |
| 7.872153066 | 0.000742755 | 3.82847156 | 3.866078184 | 11.62838571 |
| 7.893938115 | 0.000742803 | 3.829214329 | 3.866444864 | 11.61826384 |
| 7.913350799 | 0.00074276 | 3.829053075 | 3.866659211 | 11.63314339 |
| 7.93532933 | 0.000742808 | 3.829757182 | 3.866986084 | 11.62291659 |
| 7.954204968 | 0.000742818 | 3.829735449 | 3.866827905 | 11.62028043 |
| 7.978641575 | 0.000742874 | 3.830100053 | 3.866670258 | 11.60467914 |
| 7.995934379 | 0.000742723 | 3.829623458 | 3.867622559 | 11.65524691 |
| 7.975186402 | 0.000737311 | 3.81980366 | 3.91119921 | 13.47505237 |
| 7.552019645 | 0.00067646 | 3.749168872 | 4.399825317 | 32.65716356 |
| 7.399903676 | 0.000654508 | 4.025853167 | 4.909066283 | 41.20880868 |
| 7.15953836 | 0.000612562 | 4.03155773 | 5.247679406 | 52.86021517 |
| 7.021730934 | 0.000587454 | 4.185981364 | 5.607132285 | 60.35324726 |
| 6.733259632 | 0.000529421 | 4.139986261 | 5.943880981 | 73.77772329 |
| 6.335947644 | 0.000441916 | 4.138736894 | 6.441027907 | 91.50280699 |
| 6.175756895 | 0.000405302 | 4.419461544 | 6.93648407 | 99.74877651 |
| 6.246546632 | 0.000420895 | 4.783202145 | 7.268588038 | 99.31948459 |
| 6.41823833 | 0.00045803 | 4.953424862 | 7.26680667 | 93.50876199 |
| 6.798149198 | 0.000534003 | 5.151788419 | 7.041630609 | 78.82164046 |
| 7.148656608 | 0.00059138 | 4.80722852 | 6.271905338 | 63.1308089 |
| 7.257654891 | 0.000603371 | 4.394820553 | 5.726758777 | 57.67059907 |
| 7.442436529 | 0.000630003 | 4.403140929 | 5.533214952 | 50.59592933 |
| 7.625442919 | 0.000654102 | 4.309681198 | 5.233526293 | 43.22504074 |
| 7.731953599 | 0.000665792 | 4.188734798 | 4.998742771 | 39.05005207 |
| 7.856828294 | 0.000680186 | 4.155490267 | 4.836038162 | 34.48992727 |
| 7.991032887 | 0.000694984 | 4.104077966 | 4.644525562 | 29.54315365 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 8.097342071 | 0.000705477 | 4.040664635 | 4.475302028 | 25.76950321 |
| 8.185543246 | 0.000713556 | 3.997634457 | 4.349765958 | 22.84269365 |
| 8.063202725 | 0.000694515 | 3.901629346 | 4.416383028 | 28.34740096 |
| 7.581713852 | 0.000621564 | 3.861502994 | 4.98289008 | 49.45959519 |
| 7.11086807 | 0.000542481 | 4.024414077 | 5.729536161 | 70.32736878 |
| 6.176864107 | 0.000354767 | 3.873565595 | 6.548100969 | 104.5167399 |
| 5.991577813 | 0.000322034 | 4.427015722 | 7.305546495 | 112.9242294 |
| 6.034974117 | 0.000333753 | 4.818744906 | 7.702172769 | 113.876341 |
| 6.140827113 | 0.000355057 | 4.997884784 | 7.814821871 | 111.847541 |
| 6.238650835 | 0.000371938 | 4.97258832 | 7.71153125 | 109.00503 |
| 6.346584377 | 0.000390278 | 4.9493204 | 7.601598938 | 105.8724016 |
| 6.434239756 | 0.000404286 | 4.878292092 | 7.455933671 | 103.0746882 |
| 6.284211354 | 0.000370229 | 4.521759281 | 7.210955567 | 106.392103 |
| 5.782061824 | 0.000262528 | 4.061861653 | 7.113735668 | 118.4902468 |
| 5.410739825 | 0.000196107 | 3.813953587 | 7.083287445 | 125.8189815 |
| 5.510684282 | 0.000254588 | 4.571680005 | 7.859197712 | 127.9681837 |
| 5.704940001 | 0.00030167 | 5.460461276 | 8.703704512 | 128.1347148 |
| 5.83399286 | 0.000305159 | 5.523391064 | 8.674764854 | 124.9692637 |
| 6.152616548 | 0.000358784 | 5.989348996 | 8.935869929 | 118.5489251 |
| 6.35679313 | 0.000379756 | 5.364327602 | 8.117548299 | 110.4114464 |
| 6.573482521 | 0.000413333 | 5.156541984 | 7.723550921 | 103.3632106 |
| 6.969038609 | 0.000481475 | 5.288778862 | 7.510513224 | 91.35624182 |
| 7.382226811 | 0.000546089 | 5.052513762 | 6.854983244 | 76.02936776 |
| 6.863642514 | 0.000448409 | 4.117660088 | 6.382821995 | 90.63087308 |
| 6.605072354 | 0.000402845 | 4.371694422 | 6.89458335 | 100.298265 |
| 6.463089347 | 0.000377262 | 4.51721394 | 7.174556785 | 105.3941896 |
| 6.51456518 | 0.000386341 | 4.784287422 | 7.434022093 | 105.6544928 |
| 6.530728742 | 0.000387224 | 4.758084098 | 7.400476729 | 105.3547547 |
| 6.428869787 | 0.000366932 | 4.603546525 | 7.316910867 | 107.592072 |
| 6.343389476 | 0.000350676 | 4.617656995 | 7.402766918 | 110.1795957 |
| 5.431650131 | 0.000183298 | 3.622702341 | 6.892974535 | 125.5132269 |
| 5.45357718 | 0.000234065 | 4.065904758 | 7.379673055 | 127.9497403 |
| 5.997008747 | 0.000398318 | 6.957073883 | 10.20003985 | 131.1707481 |
| 6.350730474 | 0.000389407 | 6.914927374 | 9.870016195 | 120.8226535 |
| 6.511927704 | 0.000380831 | 5.362854477 | 8.111000992 | 110.3772916 |
| 6.722321818 | 0.000410251 | 5.118912482 | 7.696481557 | 103.8266129 |
| 7.047193168 | 0.000462011 | 5.154569115 | 7.468936814 | 94.56859322 |
| 7.510531218 | 0.00053339 | 5.143139517 | 7.036064191 | 79.62073694 |
| 7.83778981 | 0.000578747 | 4.755212072 | 6.304992911 | 66.72108815 |
| 7.979665094 | 0.000596801 | 4.463013088 | 5.851093549 | 60.44482615 |
| 8.069533733 | 0.000607892 | 4.372828286 | 5.668676024 | 57.01193203 |
| 8.136863 | 0.000615951 | 4.326720607 | 5.555763495 | 54.58583002 |
| 8.189178507 | 0.000621599 | 4.294591964 | 5.476568119 | 52.86778857 |
| 8.240496701 | 0.000627284 | 4.278370075 | 5.414096776 | 51.21525092 |
| 8.300634302 | 0.000634203 | 4.26505191 | 5.344468649 | 49.21293989 |
| 8.346433296 | 0.00063888 | 4.237012696 | 5.275628242 | 47.72566375 |
| 8.386212507 | 0.000642773 | 4.220706619 | 5.225819178 | 46.52148937 |
| 8.291438172 | 0.00062776 | 4.14363983 | 5.257478883 | 50.21813594 |
| 8.095702828 | 0.000597846 | 4.135958287 | 5.475066408 | 58.1527848 |
| 7.96489051 | 0.000577462 | 4.240960509 | 5.739285254 | 63.98864297 |
| 8.079859187 | 0.000592916 | 4.437633811 | 5.851121505 | 61.3655048 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 8.282774017 | 0.000620301 | 4.451238044 | 5.662542356 | 54.24549335 |
| 8.401854344 | 0.000635176 | 4.320341757 | 5.398863247 | 49.33730453 |
| 8.470227475 | 0.00064299 | 4.247427501 | 5.253951042 | 46.66517435 |
| 8.509617246 | 0.000646724 | 4.20885478 | 5.180032298 | 45.35188294 |
| 8.536802787 | 0.000648789 | 4.191300207 | 5.143313764 | 44.6452456 |
| 8.575437591 | 0.000652356 | 4.189888491 | 5.112460005 | 43.60507637 |
| 8.611618872 | 0.00065567 | 4.178457147 | 5.071876122 | 42.56352797 |
| 8.651672317 | 0.00065942 | 4.169533547 | 5.030433675 | 41.40135611 |
| 8.682377501 | 0.000662028 | 4.154068513 | 4.990697429 | 40.52566082 |
| 8.701415296 | 0.000662985 | 4.140673846 | 4.967336642 | 40.15470243 |
| 7.93059105 | 0.000551412 | 3.875792557 | 5.499205199 | 67.75948597 |
| 7.410528706 | 0.000475074 | 4.154743146 | 6.281216051 | 86.09800298 |
| 7.175415244 | 0.000441623 | 4.408276615 | 6.74399659 | 94.01012577 |
| 7.03986036 | 0.000421999 | 4.525249913 | 6.97342971 | 98.22875758 |
| 7.034082591 | 0.000422134 | 4.674553962 | 7.140186178 | 99.13590362 |
| 7.242211691 | 0.000453741 | 4.90476047 | 7.236031305 | 94.83149502 |
| 7.588885829 | 0.000504425 | 4.99239851 | 7.048269604 | 85.24997957 |
| 8.031582001 | 0.000566494 | 4.928334499 | 6.580816742 | 70.87460632 |
| 8.000628288 | 0.000559069 | 4.398733067 | 6.041962307 | 69.51286832 |
| 7.357210031 | 0.000462499 | 4.088405841 | 6.274853274 | 88.11246264 |
| 7.175241937 | 0.000438641 | 4.465675658 | 6.82334556 | 94.91272286 |
| 7.541914897 | 0.000495403 | 5.013887071 | 7.124960471 | 87.25126352 |
| 8.029852386 | 0.000563943 | 4.999149466 | 6.676463925 | 71.89078474 |
| 8.131611179 | 0.000574463 | 4.491318291 | 6.041924734 | 66.4066632 |
| 8.066099741 | 0.000564578 | 4.351188524 | 5.95166468 | 67.92089603 |
| 8.109401456 | 0.000570064 | 4.435945246 | 6.010113469 | 67.13962491 |
| 8.246237939 | 0.000588669 | 4.48313329 | 5.932447915 | 62.82616637 |
| 8.402806377 | 0.000609475 | 4.44517736 | 5.738041969 | 57.20926491 |
| 8.496423943 | 0.000621537 | 4.348080771 | 5.537119151 | 53.36276308 |
| 8.533758023 | 0.000625969 | 4.281489175 | 5.427376102 | 51.72601603 |
| 8.578258564 | 0.000631348 | 4.270458553 | 5.372937128 | 50.16786811 |
| 8.634104835 | 0.000638096 | 4.260097581 | 5.307835881 | 48.2128388 |
| 8.673512116 | 0.000642797 | 4.231870025 | 5.237918254 | 46.69038168 |
| 8.265707359 | 0.000585874 | 4.037791482 | 5.449528195 | 60.64467628 |
| 6.533194484 | 0.000328548 | 3.752368075 | 6.516190593 | 107.8855584 |
| 5.741369408 | 0.000215267 | 3.874133424 | 7.061993411 | 123.1432697 |
| 5.884356109 | 0.000263593 | 4.826269445 | 8.027201799 | 125.5141054 |
| 6.067012706 | 0.000294185 | 5.267585915 | 8.409929751 | 124.3235472 |
| 6.616554526 | 0.000379313 | 6.288220382 | 9.178913499 | 117.4451448 |
| 6.94651631 | 0.000408444 | 5.472596763 | 8.102637235 | 106.5814164 |
| 7.252532604 | 0.000446926 | 5.143735754 | 7.538535312 | 97.60015885 |
| 7.643975862 | 0.000500765 | 5.077322255 | 7.164459813 | 86.57376045 |
| 7.776305471 | 0.000515602 | 4.683845474 | 6.639043186 | 81.1259017 |
| 7.724266565 | 0.000508405 | 4.501736667 | 6.47802672 | 81.52353541 |
| 7.756122448 | 0.000513686 | 4.567557559 | 6.520428907 | 80.81157047 |
| 7.907740434 | 0.000536116 | 4.65001121 | 6.473822671 | 76.38899762 |
| 8.101134691 | 0.000563877 | 4.626757393 | 6.265538835 | 69.79656906 |
| 8.221417443 | 0.000580731 | 4.502317331 | 6.010115032 | 64.94340802 |
| 8.246838688 | 0.000584763 | 4.399437237 | 5.866692238 | 63.30108951 |
| 8.198761441 | 0.00057928 | 4.342995155 | 5.841158609 | 64.29379314 |
| 8.246084803 | 0.000586859 | 4.409655337 | 5.862838167 | 62.82153841 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 8.371679194 | 0.000604952 | 4.437194353 | 5.762338503 | 58.34512164 |
| 8.482146325 | 0.000620768 | 4.380053598 | 5.578853476 | 53.76858531 |
| 8.450975829 | 0.000617279 | 4.260183142 | 5.470367516 | 53.94430095 |
| 8.412359163 | 0.000613037 | 4.263072211 | 5.505708317 | 55.09541854 |
| 8.402162334 | 0.000612556 | 4.288212377 | 5.537710043 | 55.38327609 |
| 8.392570479 | 0.000612245 | 4.290955723 | 5.543127839 | 55.48127374 |
| 8.270711934 | 0.000596457 | 4.236508502 | 5.598500439 | 59.25931761 |
| 7.288886966 | 0.00045208 | 3.92864823 | 6.148921674 | 88.96718916 |
| 6.794576953 | 0.000381637 | 4.258950802 | 6.865366355 | 103.2951558 |
| 6.728946922 | 0.00037705 | 4.649926756 | 7.324031283 | 106.4670264 |
| 6.896653399 | 0.000404942 | 4.955693354 | 7.539399922 | 103.860977 |
| 6.613315281 | 0.000358355 | 4.459840928 | 7.19272019 | 108.1663988 |
| 6.382987577 | 0.000324407 | 4.47912079 | 7.354755759 | 113.2661702 |
| 6.536776192 | 0.000354312 | 5.001808355 | 7.82269211 | 112.3536345 |
| 6.723487025 | 0.000383654 | 5.090585055 | 7.790624144 | 108.2528086 |
| 6.744808147 | 0.000383698 | 4.816994914 | 7.483245231 | 106.5018678 |
| 6.869004009 | 0.000404279 | 4.920695321 | 7.503165959 | 103.7409623 |
| 7.056908781 | 0.000433625 | 4.968102397 | 7.411369069 | 98.89824606 |
| 7.365888229 | 0.000481044 | 5.040356012 | 7.237100528 | 90.31206488 |
| 7.444230572 | 0.000490586 | 4.695392254 | 6.799610238 | 86.33168929 |
| 6.792900228 | 0.000387414 | 4.147449552 | 6.714414657 | 101.659665 |
| 6.594506242 | 0.000362065 | 4.506456288 | 7.228546875 | 107.8613238 |
| 6.703079199 | 0.000382583 | 4.89080431 | 7.571221711 | 107.1310547 |
| 6.885069639 | 0.000413268 | 5.016564338 | 7.566985244 | 102.7668726 |
| 7.143634724 | 0.000454583 | 5.053045746 | 7.396454837 | 95.49228497 |
| 7.411984716 | 0.000496141 | 4.953253692 | 7.053261517 | 86.66697845 |
| 6.829381134 | 0.000400752 | 4.183821906 | 6.694057239 | 99.67199961 |
| 6.540445231 | 0.000359236 | 4.417077054 | 7.140675678 | 107.7097635 |
| 6.533599398 | 0.000363784 | 4.749022696 | 7.49439443 | 109.1290504 |
| 6.660474867 | 0.000386419 | 4.954183636 | 7.624582872 | 106.8647377 |
| 6.439528964 | 0.000348565 | 4.520684801 | 7.302213899 | 109.9497429 |
| 6.271787783 | 0.000323416 | 4.542824004 | 7.430053364 | 113.7427521 |
| 6.343450747 | 0.000339599 | 4.890262276 | 7.75931122 | 113.7702844 |
| 6.497784686 | 0.000368209 | 5.082225671 | 7.851830663 | 110.604496 |
| 6.646627705 | 0.000392774 | 5.041256916 | 7.692937661 | 106.333461 |
| 6.837879908 | 0.000425212 | 5.042643769 | 7.537176364 | 100.7491307 |
| 7.051144192 | 0.000461087 | 4.990434853 | 7.291864511 | 93.77562638 |
| 7.270870669 | 0.000497395 | 4.897837429 | 6.985135383 | 85.97488851 |
| 7.467016039 | 0.000529849 | 4.773824634 | 6.650310598 | 78.26248169 |
| 7.615968449 | 0.000554598 | 4.640839148 | 6.342706199 | 71.81496737 |
| 7.717623675 | 0.00057203 | 4.537141606 | 6.109462807 | 67.02241088 |
| 7.779163702 | 0.000583581 | 4.460262212 | 5.943018606 | 63.68705558 |
| 7.812872811 | 0.000590923 | 4.40950139 | 5.83344839 | 61.51336891 |
| 7.813321433 | 0.000593091 | 4.368112336 | 5.771193168 | 60.69166044 |
| 7.799361612 | 0.000593118 | 4.351967186 | 5.75280904 | 60.56840236 |
| 7.824979214 | 0.000599805 | 4.379728846 | 5.735659414 | 59.01492265 |
| 7.882714359 | 0.000611041 | 4.381331735 | 5.654089508 | 56.06650698 |
| 7.925056404 | 0.000619646 | 4.340467257 | 5.542700544 | 53.49434932 |
| 7.870864535 | 0.000613913 | 4.260584251 | 5.49567366 | 54.50752954 |
| 7.741605065 | 0.00059657 | 4.233428741 | 5.593676794 | 58.86131463 |
| 7.750008884 | 0.000600693 | 4.358091262 | 5.70460486 | 58.57858934 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 7.800121745 | 0.000610099 | 4.371142935 | 5.64970797 | 56.18862792 |
| 7.800724399 | 0.00061167 | 4.315835829 | 5.57531207 | 55.4137172 |
| 7.834358538 | 0.000618917 | 4.331620831 | 5.537975252 | 53.56076116 |
| 7.897435816 | 0.000629909 | 4.327026295 | 5.447635197 | 50.52560349 |
| 7.932433172 | 0.000636785 | 4.280951575 | 5.341344974 | 48.30884543 |
| 7.948975962 | 0.000641028 | 4.250076059 | 5.272007345 | 46.90178328 |
| 7.955824723 | 0.000643457 | 4.231254709 | 5.231115372 | 46.08438216 |
| 7.926428885 | 0.000641 | 4.205859837 | 5.222135927 | 46.60476041 |
| 7.786843956 | 0.000621721 | 4.160040156 | 5.322235465 | 51.6401328 |
| 7.185537703 | 0.000524121 | 3.997781304 | 5.814450654 | 74.38577134 |
| 7.082923612 | 0.000512237 | 4.447229947 | 6.393831484 | 79.84831684 |
| 7.306626146 | 0.000553893 | 4.752355574 | 6.470789604 | 72.33148945 |
| 7.586037706 | 0.000600734 | 4.683552567 | 6.066823991 | 60.3541389 |
| 7.743991534 | 0.000625594 | 4.442525711 | 5.610541121 | 52.30264451 |
| 7.831974869 | 0.000639922 | 4.322940686 | 5.36348084 | 47.58188055 |
| 7.869467501 | 0.000646855 | 4.252185622 | 5.227228636 | 45.15719323 |
| 7.899492551 | 0.000652884 | 4.227702632 | 5.149839867 | 43.2524365 |
| 7.910686452 | 0.000655959 | 4.199771198 | 5.092661495 | 42.16867461 |
| 7.92495692 | 0.000659688 | 4.192669968 | 5.053664493 | 41.02006037 |
| 7.896207788 | 0.000657163 | 4.159593019 | 5.036868129 | 41.53264358 |
| 7.817273109 | 0.000647318 | 4.145274769 | 5.102068678 | 44.28525277 |
| 7.757342703 | 0.000640415 | 4.183122432 | 5.200903603 | 46.48910147 |
| 7.794890431 | 0.000647925 | 4.254058989 | 5.220944939 | 44.80027772 |
| 7.635876909 | 0.000625203 | 4.133383324 | 5.264798071 | 50.35742546 |
| 7.269474616 | 0.000567524 | 4.089771156 | 5.6361577 | 64.86228023 |
| 7.255651224 | 0.00056923 | 4.42062608 | 5.997793276 | 66.54988462 |
| 7.479877815 | 0.000609133 | 4.591117165 | 5.901417936 | 57.45824049 |
| 7.63818616 | 0.000634307 | 4.417795967 | 5.514413552 | 49.60053549 |
| 7.710955971 | 0.000646272 | 4.29003983 | 5.274583146 | 45.43121464 |
| 7.766006445 | 0.000655666 | 4.244233749 | 5.145633143 | 42.4265575 |
| 7.809496947 | 0.000663352 | 4.210213167 | 5.042485247 | 39.94191395 |
| 7.836572453 | 0.000668709 | 4.178744791 | 4.960823131 | 38.13266992 |
| 7.822832589 | 0.000668216 | 4.14210126 | 4.923224554 | 38.02992909 |
| 7.656333559 | 0.000645347 | 4.080273704 | 5.043894409 | 44.29257725 |
| 7.437275381 | 0.000613807 | 4.119017614 | 5.336186028 | 53.23040094 |
| 7.585126888 | 0.00064032 | 4.406806938 | 5.453746784 | 47.77193224 |
| 7.710821311 | 0.000659843 | 4.30110927 | 5.174615099 | 41.493466 |
| 7.39371692 | 0.00061144 | 4.038615344 | 5.261572803 | 53.26539614 |
| 7.077273281 | 0.000560924 | 4.146433082 | 5.745476178 | 66.67821257 |
| 7.299018889 | 0.000603685 | 4.62815178 | 5.983457073 | 58.97072468 |
| 7.569872602 | 0.000647054 | 4.515970424 | 5.520962057 | 46.46123705 |
| 7.689981727 | 0.000664619 | 4.27333508 | 5.102325248 | 39.86365974 |
| 7.766005284 | 0.000676316 | 4.195161829 | 4.913213677 | 35.85534177 |
| 7.8081535 | 0.000683159 | 4.142963999 | 4.793743731 | 33.4193789 |
| 7.837343394 | 0.000688443 | 4.117030199 | 4.716809199 | 31.60357677 |
| 7.866476543 | 0.000693752 | 4.098826927 | 4.647910055 | 29.80799486 |
| 7.897415335 | 0.000699201 | 4.081494209 | 4.57812035 | 27.95430819 |
| 7.929744089 | 0.000704792 | 4.063200017 | 4.505147683 | 26.02639543 |
| 7.964296402 | 0.000710518 | 4.044969507 | 4.430485919 | 24.03371761 |
| 8.000263401 | 0.000716392 | 4.026517648 | 4.352996304 | 21.96626321 |
| 8.037711775 | 0.000722377 | 4.005828628 | 4.271381462 | 19.81710774 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 8.077145697 | 0.000728516 | 3.984623987 | 4.1865387 | 17.58494411 |
| 8.078249911 | 0.000729149 | 3.947916812 | 4.13760809 | 17.10876407 |
| 8.066773825 | 0.000729115 | 3.944524842 | 4.13417153 | 17.09894254 |
| 7.37907208 | 0.000631519 | 3.763312799 | 4.785046168 | 45.65046982 |
| 7.339555522 | 0.000632702 | 4.274374577 | 5.366354359 | 48.97795173 |
| 7.560541738 | 0.000668963 | 4.385322519 | 5.190257399 | 39.17545098 |
| 7.593256986 | 0.000673141 | 4.165053131 | 4.906197392 | 36.55552232 |
| 7.594353932 | 0.000674728 | 4.141708859 | 4.866216356 | 35.92731696 |
| 7.597261928 | 0.000676538 | 4.136397616 | 4.844363526 | 35.33871336 |
| 7.5997076 | 0.000678372 | 4.130695911 | 4.821719907 | 34.73693032 |
| 7.603406891 | 0.000680213 | 4.125308622 | 4.799371278 | 34.13417839 |
| 7.606435829 | 0.000682078 | 4.119453879 | 4.776146866 | 33.5177143 |
| 7.611636012 | 0.000683954 | 4.114112748 | 4.753417107 | 32.90079576 |
| 7.614993955 | 0.000685865 | 4.108349265 | 4.729814785 | 32.26712722 |
| 7.618402662 | 0.000687767 | 4.102273713 | 4.70587032 | 31.63064233 |
| 7.622590012 | 0.00068969 | 4.096334829 | 4.681751233 | 30.98662941 |
| 7.626739234 | 0.000691629 | 4.090246681 | 4.65722599 | 30.33410487 |
| 7.631555063 | 0.000693584 | 4.084223961 | 4.632566515 | 29.67466539 |
| 7.635519208 | 0.00069555 | 4.077778186 | 4.607126887 | 29.00538733 |
| 7.641399513 | 0.000697536 | 4.07177242 | 4.582050731 | 28.33185627 |
| 7.646328739 | 0.000699551 | 4.065412801 | 4.556169361 | 27.64300199 |
| 7.650700724 | 0.000701575 | 4.058615583 | 4.529673805 | 26.94527554 |
| 7.6563917 | 0.000703605 | 4.052023145 | 4.50314163 | 26.24413793 |
| 7.661827621 | 0.000705666 | 4.045344885 | 4.476194113 | 25.52984378 |
| 7.667785075 | 0.000707746 | 4.038578298 | 4.448921643 | 24.80617234 |
| 7.674132767 | 0.000709841 | 4.031875102 | 4.421355086 | 24.07545514 |
| 7.680338427 | 0.000711955 | 4.024923904 | 4.393346331 | 23.33283014 |
| 7.68671065 | 0.000714073 | 4.017528186 | 4.364544407 | 22.58210758 |
| 7.693823365 | 0.000716232 | 4.010610157 | 4.335942749 | 21.81971274 |
| 7.701125631 | 0.0007184 | 4.003493024 | 4.306764126 | 21.04923503 |
| 7.708264342 | 0.000720589 | 3.996057814 | 4.277000272 | 20.2652315 |
| 7.715841307 | 0.000722794 | 3.988382798 | 4.246668602 | 19.47137119 |
| 7.723745819 | 0.00072502 | 3.980764899 | 4.216045519 | 18.66732766 |
| 7.728487369 | 0.000726764 | 3.971941215 | 4.188667448 | 18.0148075 |
| 7.723736532 | 0.000726939 | 3.961982785 | 4.175333038 | 17.88416949 |
| 7.646891279 | 0.00071844 | 3.941476059 | 4.234441687 | 20.58898251 |
| 7.662451162 | 0.00072244 | 4.004436593 | 4.268853289 | 19.69197659 |
| 7.682299877 | 0.000726064 | 3.986552751 | 4.212303564 | 18.33969559 |
| 7.669159362 | 0.000725396 | 3.96315851 | 4.191721079 | 18.40195235 |
| 7.692379661 | 0.000729818 | 3.97984812 | 4.167639661 | 17.01939441 |
| 7.712811404 | 0.000733466 | 3.960699904 | 4.108821528 | 15.63433148 |
| 7.728017408 | 0.000735896 | 3.944858 | 4.066131114 | 14.68786385 |
| 7.738559235 | 0.000737716 | 3.93489734 | 4.036202091 | 13.98966948 |
| 7.744328316 | 0.000738954 | 3.927127625 | 4.01456125 | 13.50486846 |
| 7.745867242 | 0.000739613 | 3.921507361 | 4.001316182 | 13.23595344 |
| 7.744892796 | 0.000740207 | 3.919245059 | 3.992664524 | 13.01294686 |
| 7.745954766 | 0.000740807 | 3.917397399 | 3.984385145 | 12.79020194 |
| 7.745409399 | 0.0007413 | 3.915213954 | 3.976780401 | 12.6017913 |
| 7.740157868 | 0.000741355 | 3.912445525 | 3.972960229 | 12.56184303 |
| 7.702020349 | 0.000737242 | 3.903269716 | 4.004036836 | 13.92410016 |
| 7.674415407 | 0.000734653 | 3.922787243 | 4.052922059 | 14.95617757 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 7.641765034 | 0.000731302 | 3.929523051 | 4.094117704 | 16.14586044 |
| 7.62039018 | 0.000729392 | 3.945064289 | 4.131278139 | 16.90351288 |
| 7.625385017 | 0.000730764 | 3.960929078 | 4.136057571 | 16.54544174 |
| 7.63087467 | 0.000731992 | 3.955489473 | 4.117410217 | 16.08556066 |
| 7.655201789 | 0.000735744 | 3.957952729 | 4.082588906 | 14.81541886 |
| 7.661259827 | 0.000736719 | 3.937414665 | 4.04884987 | 14.33320194 |
| 7.63134276 | 0.000733647 | 3.924117578 | 4.064340689 | 15.29611994 |
| 7.623885043 | 0.000733245 | 3.942329496 | 4.089623678 | 15.56295292 |
| 7.636323726 | 0.000735864 | 3.951205555 | 4.073501174 | 14.72210885 |
| 7.644470572 | 0.000737242 | 3.938894253 | 4.045298661 | 14.15909783 |
| 7.657289284 | 0.000739464 | 3.936733591 | 4.020258802 | 13.37480745 |
| 7.668978743 | 0.000741479 | 3.927771457 | 3.989281737 | 12.60955125 |
| 7.674804855 | 0.000742655 | 3.91861711 | 3.966587628 | 12.13475109 |
| 7.678346658 | 0.00074363 | 3.914309889 | 3.951577444 | 11.76325151 |
| 7.676211895 | 0.000743954 | 3.909253281 | 3.942302334 | 11.61322741 |
| 7.668349379 | 0.000743607 | 3.906593565 | 3.942727598 | 11.71526798 |
| 7.668528862 | 0.000744199 | 3.910811616 | 3.941637261 | 11.53775926 |
| 7.669302276 | 0.000744822 | 3.908762941 | 3.932731132 | 11.30278732 |
| 7.66729597 | 0.000744999 | 3.905589344 | 3.927184375 | 11.21741738 |
| 7.632002386 | 0.000741499 | 3.896455752 | 3.952453806 | 12.37464719 |
| 7.601568999 | 0.00073776 | 3.909618444 | 4.005894455 | 13.76586968 |
| 7.554304343 | 0.000731631 | 3.917304272 | 4.076348108 | 15.91992633 |
| 7.521509173 | 0.000727404 | 3.94506046 | 4.150687573 | 17.55152994 |
| 7.562290715 | 0.000732659 | 3.984650824 | 4.144313388 | 16.0389579 |
| 7.605315464 | 0.000737517 | 3.963589502 | 4.07081781 | 14.21916724 |
| 7.630514908 | 0.000740108 | 3.940249484 | 4.017444153 | 13.1616859 |
| 7.642941041 | 0.000741213 | 3.927760146 | 3.991638925 | 12.69215832 |
| 7.619109444 | 0.000737837 | 3.912754181 | 4.008529089 | 13.75745261 |
| 7.591437614 | 0.000734259 | 3.925478616 | 4.059425685 | 15.08126237 |
| 7.516103716 | 0.000724219 | 3.92488068 | 4.158451215 | 18.48181865 |
| 7.415325955 | 0.000710884 | 3.954518362 | 4.321671403 | 23.10080105 |
| 7.457329523 | 0.000717327 | 4.049859302 | 4.36994459 | 21.63345072 |
| 7.526329851 | 0.000725718 | 4.028918531 | 4.263821089 | 18.68548587 |
| 7.55413563 | 0.000728561 | 3.986017625 | 4.186205972 | 17.4344831 |
| 7.599099929 | 0.000733915 | 3.982699405 | 4.129138934 | 15.59274687 |
| 7.633593127 | 0.000737665 | 3.95955805 | 4.064461169 | 14.14061852 |
| 7.653025871 | 0.00073961 | 3.941344352 | 4.023578726 | 13.342029 |
| 7.670162867 | 0.000741373 | 3.933921073 | 3.997018459 | 12.67743168 |
| 7.684372878 | 0.000742701 | 3.926652332 | 3.974963229 | 12.16419517 |
| 7.695597921 | 0.000743744 | 3.921630861 | 3.958389976 | 11.76342675 |
| 7.703074714 | 0.000744345 | 3.916836041 | 3.946632205 | 11.51929053 |
| 7.709777999 | 0.000744887 | 3.914863709 | 3.938723068 | 11.3150184 |
| 7.715409442 | 0.00074522 | 3.912516736 | 3.932547084 | 11.18141362 |
| 7.722037918 | 0.000745686 | 3.911927805 | 3.927055221 | 11.01310861 |
| 7.726335397 | 0.000746013 | 3.910107912 | 3.921513223 | 10.88475202 |
| 7.727945366 | 0.000746054 | 3.908417894 | 3.91910304 | 10.85824953 |
| 7.729746723 | 0.000745733 | 3.90760197 | 3.921429474 | 10.96535846 |
| 7.730710681 | 0.000745742 | 3.909980243 | 3.924128596 | 10.97919569 |
| 7.733351136 | 0.000745596 | 3.909776597 | 3.925354763 | 11.02841269 |
| 7.723895331 | 0.000744133 | 3.907361275 | 3.937565861 | 11.52479322 |
| 7.718301178 | 0.000743931 | 3.916106239 | 3.949902698 | 11.6584174 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 7.60284072 | 0.000744862 | 3.91977405 | 3.944517559 | 11.34865067 |
| 7.601968269 | 0.000745678 | 3.916604157 | 3.932402205 | 11.03619251 |
| 7.614829571 | 0.000746253 | 3.913126205 | 3.922366035 | 10.80864185 |
| 7.624973021 | 0.00074653 | 3.910498341 | 3.916423222 | 10.69209359 |
| 7.628590889 | 0.00074657 | 3.909345817 | 3.91466017 | 10.67020826 |
| 7.635853275 | 0.000746535 | 3.909303568 | 3.914952296 | 10.68227441 |
| 7.63976249 | 0.000745759 | 3.907889661 | 3.921273901 | 10.94513461 |
| 7.609309821 | 0.000740996 | 3.901967737 | 3.963280187 | 12.56669434 |
| 7.639517374 | 0.000744247 | 3.939341798 | 3.973691497 | 11.69988745 |
| 7.652428498 | 0.0007452 | 3.92083523 | 3.941977517 | 11.2294444 |
| 7.651925266 | 0.000743802 | 3.912348972 | 3.946529108 | 11.66259493 |
| 7.661285178 | 0.000744135 | 3.922246607 | 3.954742633 | 11.61822468 |
| 7.675780437 | 0.000744973 | 3.922436572 | 3.946256333 | 11.32460393 |
| 7.688655475 | 0.000745662 | 3.919300934 | 3.935466705 | 11.06028965 |
| 7.631589666 | 0.000737352 | 3.896944195 | 3.994319012 | 13.79604856 |
| 7.604769211 | 0.000733691 | 3.939033684 | 4.080404434 | 15.36078493 |
| 7.628493636 | 0.000736 | 3.965871654 | 4.088314302 | 14.75203905 |
| 7.672851145 | 0.000740557 | 3.962198105 | 4.037601931 | 13.14462606 |
| 7.701804119 | 0.000742984 | 3.940591925 | 3.987642485 | 12.14733817 |
| 7.721654153 | 0.000744406 | 3.930294767 | 3.961070959 | 11.57950758 |
| 7.732853321 | 0.000744974 | 3.923023147 | 3.946747607 | 11.32897205 |
| 7.697582285 | 0.000739394 | 3.906675192 | 3.984794925 | 13.16179337 |
| 7.691637255 | 0.000738656 | 3.9392427 | 4.030419521 | 13.65463048 |
| 7.732833225 | 0.000742506 | 3.952358543 | 4.006218717 | 12.40128944 |
| 7.758318469 | 0.000744488 | 3.933705474 | 3.964051294 | 11.57286085 |
| 7.776188323 | 0.00074565 | 3.925501374 | 3.942576951 | 11.10957686 |
| 7.78650491 | 0.000746254 | 3.920446858 | 3.930414956 | 10.86076275 |
| 7.798559398 | 0.000746577 | 3.917653178 | 3.923830974 | 10.72749019 |
| 7.801952466 | 0.000746588 | 3.915908892 | 3.921655114 | 10.71138329 |
| 7.810178701 | 0.000746585 | 3.916147754 | 3.921963677 | 10.71459477 |
| 7.819231092 | 0.00074641 | 3.915958074 | 3.92350747 | 10.77481783 |
| 7.837978247 | 0.000746525 | 3.91769942 | 3.92435343 | 10.7475679 |
| 7.861232227 | 0.000746812 | 3.917969526 | 3.921679255 | 10.64858132 |
| 7.881318372 | 0.00074689 | 3.916632144 | 3.919280593 | 10.61235858 |
| 7.901879433 | 0.000746897 | 3.916481675 | 3.919025106 | 10.61001271 |
| 7.922447858 | 0.000746899 | 3.916728449 | 3.919271384 | 10.61180994 |
| 7.942525114 | 0.000746875 | 3.916930644 | 3.919736031 | 10.62262125 |
| 7.963298552 | 0.000746868 | 3.917356743 | 3.920285985 | 10.62886598 |
| 7.983814511 | 0.00074687 | 3.917685506 | 3.92062953 | 10.6312892 |
| 8.004623194 | 0.000746872 | 3.917963472 | 3.920907571 | 10.63311555 |
| 8.025350737 | 0.00074688 | 3.918254941 | 3.921146525 | 10.63313563 |
| 8.046024314 | 0.000746878 | 3.918480967 | 3.921410464 | 10.63617621 |
| 8.067662116 | 0.000746896 | 3.918830874 | 3.921617118 | 10.63311911 |
| 8.087562565 | 0.000746906 | 3.919024072 | 3.921715696 | 10.63154267 |
| 8.109210046 | 0.00074691 | 3.91925577 | 3.921932504 | 10.63271882 |
| 8.130230435 | 0.000746901 | 3.919495121 | 3.922276096 | 10.63799326 |
| 8.151300431 | 0.000746908 | 3.919852842 | 3.92261061 | 10.63900909 |
| 8.171647207 | 0.000746901 | 3.920074243 | 3.922921892 | 10.64374491 |
| 8.194630351 | 0.000746917 | 3.920456377 | 3.923175853 | 10.64118056 |
| 8.214753548 | 0.000746933 | 3.920667089 | 3.923239888 | 10.63774716 |
| 8.236433153 | 0.000746921 | 3.92082087 | 3.923521033 | 10.64366452 |

| Oxygen (mg/L) | Susp sand (mg/L) | Susp silt (mg/L) | Susp clay (mg/L) | TSS (mg/L) |
|---------------|------------------|------------------|------------------|-------------|
| 8.258108122 | 0.000746916 | 3.921171601 | 3.923967002 | 10.64866631 |
| 8.278934886 | 0.000746912 | 3.921477103 | 3.924339737 | 10.65269035 |
| 8.300247172 | 0.000746914 | 3.921790252 | 3.92466743 | 10.65486109 |
| 8.322574712 | 0.000746911 | 3.922054881 | 3.924984441 | 10.6583111 |
| 8.344658632 | 0.000746924 | 3.922392181 | 3.92523217 | 10.6568822 |
| 8.363885155 | 0.0007464 | 3.921181241 | 3.929188446 | 10.83514429 |
| 8.389154313 | 0.000746813 | 3.926023398 | 3.93061781 | 10.72472501 |
| 8.410945212 | 0.000746935 | 3.923860699 | 3.926743181 | 10.6656186 |
| 8.433552967 | 0.000746947 | 3.923455616 | 3.926147542 | 10.6603529 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1458 | 26 | 7.9 | 0.5 | 13387.82455 | 13361.35824 |
| 1471.233156 | 26.00060106 | 7.9 | 0.499997107 | 13395.86028 | 13369.84706 |
| 1485.541108 | 26.03230304 | 7.9 | 0.499988593 | 13843.58528 | 13841.31681 |
| 1530.324424 | 26.06451937 | 7.9 | 0.499976231 | 31395.58351 | 31308.14303 |
| 1734.557072 | 26.09679507 | 7.9 | 0.499943143 | 95946.29523 | 95625.31898 |
| 1999.978848 | 26.1290468 | 7.9 | 0.499862283 | 138058.6909 | 137849.1313 |
| 1948.329688 | 26.16135998 | 7.9 | 0.499755865 | 75122.01478 | 75434.59363 |
| 1754.435672 | 26.19376289 | 7.9 | 0.499681161 | 60114.5629 | 60188.88743 |
| 1707.554496 | 26.22582589 | 7.9 | 0.499625769 | 56300.62531 | 56319.71144 |
| 1673.387944 | 26.25826848 | 7.9 | 0.499576541 | 46369.1532 | 46418.27768 |
| 1635.248072 | 26.29033299 | 7.9 | 0.49953475 | 40977.80954 | 41004.79026 |
| 1660.68132 | 26.32258432 | 7.9 | 0.499495798 | 56637.47238 | 56559.54335 |
| 1949.148352 | 26.35486816 | 7.9 | 0.499433952 | 156925.7092 | 156427.1576 |
| 2173.644932 | 26.38710631 | 7.9 | 0.499313631 | 146851.1945 | 146901.3434 |
| 1972.996272 | 26.41938831 | 7.9 | 0.499193378 | 76243.68906 | 76594.70557 |
| 1728.24376 | 26.45164513 | 7.9 | 0.499118262 | 48470.37461 | 48608.55165 |
| 1635.272072 | 26.48401107 | 7.9 | 0.499072174 | 38863.00272 | 38910.63714 |
| 1592.364216 | 26.51621318 | 7.9 | 0.4990377 | 31206.84081 | 31244.99332 |
| 1551.800619 | 26.54847786 | 7.9 | 0.499010845 | 22564.30629 | 22607.29115 |
| 1509.250362 | 26.58079088 | 7.9 | 0.498991928 | 14111.67588 | 14153.65303 |
| 1482.196052 | 26.61322083 | 7.9 | 0.498980324 | 11702.82301 | 11714.73941 |
| 1474.213679 | 26.64607226 | 7.9 | 0.498972007 | 10899.86989 | 10903.7876 |
| 1471.158223 | 26.67818679 | 7.9 | 0.498964743 | 10475.46472 | 10477.58174 |
| 1469.533162 | 26.71181583 | 7.9 | 0.498957949 | 10260.34279 | 10261.36176 |
| 1469.100096 | 26.74688818 | 7.9 | 0.498951382 | 10312.44156 | 10312.19916 |
| 1469.342496 | 26.77541085 | 7.9 | 0.49894483 | 10351.79723 | 10351.56983 |
| 1469.386229 | 26.80804455 | 7.9 | 0.498938239 | 10312.381 | 10312.57125 |
| 1468.873697 | 26.83940397 | 7.9 | 0.498931677 | 10143.63811 | 10144.49798 |
| 1468.241966 | 26.87115451 | 7.9 | 0.498925241 | 10064.38357 | 10064.78013 |
| 1467.570502 | 26.90338383 | 7.9 | 0.498918918 | 9872.020681 | 9872.97456 |
| 1466.18384 | 26.93561013 | 7.9 | 0.498912774 | 9505.446918 | 9507.268468 |
| 1464.638245 | 26.9684981 | 7.9 | 0.49890694 | 9246.390209 | 9247.65022 |
| 1463.529715 | 27.00041661 | 7.9 | 0.49890137 | 9057.41357 | 9058.360187 |
| 1462.699318 | 27.0340812 | 7.9 | 0.498895993 | 8913.305376 | 8914.011225 |
| 1462.10732 | 27.06670278 | 7.9 | 0.49889076 | 8821.055299 | 8821.520435 |
| 1465.170776 | 27.10064096 | 7.9 | 0.498885451 | 10152.11405 | 10145.60755 |
| 1469.346762 | 27.13354339 | 7.9 | 0.498879278 | 10490.71811 | 10489.00691 |
| 1467.840901 | 27.1673086 | 7.9 | 0.498872715 | 9531.010144 | 9535.719035 |
| 1464.507312 | 27.20047023 | 7.9 | 0.498866728 | 9151.441508 | 9153.335733 |
| 1462.921984 | 27.23375461 | 7.9 | 0.498861229 | 8897.464114 | 8898.72555 |
| 1461.892921 | 27.2667928 | 7.9 | 0.498855993 | 8739.332247 | 8740.122009 |
| 1461.221456 | 27.30066577 | 7.9 | 0.498850926 | 8627.946124 | 8628.487278 |
| 1460.947324 | 27.33453967 | 7.9 | 0.498845962 | 8630.25835 | 8630.242846 |
| 1461.110257 | 27.36715527 | 7.9 | 0.498841017 | 8692.305366 | 8691.985831 |
| 1461.352656 | 27.40058473 | 7.9 | 0.498836027 | 8724.342983 | 8724.18005 |
| 1461.515589 | 27.43440909 | 7.9 | 0.498830998 | 8753.150667 | 8753.005686 |
| 1461.400389 | 27.46720684 | 7.9 | 0.498825949 | 8673.793646 | 8674.190842 |
| 1460.887858 | 27.50052899 | 7.9 | 0.498820959 | 8546.814976 | 8547.442924 |
| 1460.375326 | 27.53453709 | 7.9 | 0.498816076 | 8465.911378 | 8466.30184 |
| 1460.021727 | 27.56685529 | 7.9 | 0.498811278 | 8403.966128 | 8404.279993 |
| 1459.707862 | 27.60110469 | 7.9 | 0.498806546 | 8339.377991 | 8339.686589 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1459.473462 | 27.63381089 | 7.9 | 0.498801872 | 8308.033518 | 8308.188451 |
| 1459.31853 | 27.66829034 | 7.9 | 0.498797235 | 8274.989635 | 8275.144568 |
| 1459.163597 | 27.70128189 | 7.9 | 0.498792628 | 8243.617394 | 8243.771104 |
| 1459.024557 | 27.73522098 | 7.9 | 0.498788051 | 8218.139291 | 8218.259737 |
| 1458.925251 | 27.76778997 | 7.9 | 0.498783499 | 8202.74811 | 8202.822505 |
| 1458.865678 | 27.80651466 | 7.9 | 0.498778962 | 8193.799593 | 8193.832401 |
| 1458.849811 | 27.83533735 | 7.9 | 0.498774435 | 8196.141017 | 8196.124293 |
| 1458.901491 | 27.86848712 | 7.9 | 0.498769906 | 8211.346225 | 8211.266096 |
| 1458.889598 | 27.90021547 | 7.9 | 0.498765368 | 8188.643973 | 8188.758659 |
| 1458.814131 | 27.93842811 | 7.9 | 0.49876084 | 8180.953357 | 8180.981803 |
| 1458.802238 | 27.96831328 | 7.9 | 0.498756323 | 8182.464305 | 8182.451966 |
| 1458.818158 | 28.00172221 | 7.9 | 0.498751805 | 8185.074668 | 8185.057744 |
| 1458.810238 | 28.03684231 | 7.9 | 0.498747285 | 8176.37972 | 8176.415453 |
| 1458.774505 | 28.06685149 | 7.9 | 0.498742769 | 8169.412666 | 8169.446098 |
| 1458.754665 | 28.09774956 | 7.9 | 0.49873826 | 8168.075914 | 8168.0789 |
| 1458.766612 | 28.13024095 | 7.9 | 0.498733752 | 8173.560739 | 8173.529623 |
| 1458.838158 | 28.16144864 | 7.9 | 0.498729239 | 8195.24932 | 8195.133794 |
| 1458.981224 | 28.19651424 | 7.9 | 0.498724706 | 8227.158905 | 8227.010675 |
| 1459.028931 | 28.22924103 | 7.9 | 0.498720147 | 8212.654718 | 8212.721723 |
| 1458.993198 | 28.25867546 | 7.9 | 0.498715589 | 8212.624467 | 8212.620617 |
| 1458.993224 | 28.29166499 | 7.9 | 0.498711035 | 8210.193333 | 8210.201248 |
| 1458.941598 | 28.32354136 | 7.9 | 0.498706483 | 8189.817171 | 8189.915768 |
| 1458.854211 | 28.35638505 | 7.9 | 0.498701945 | 8173.937288 | 8174.01085 |
| 1458.798612 | 28.3923477 | 7.9 | 0.498697423 | 8166.073751 | 8166.10431 |
| 1458.778772 | 28.42075744 | 7.9 | 0.498692909 | 8164.667028 | 8164.670975 |
| 1458.774825 | 28.45297928 | 7.9 | 0.498688397 | 8163.139204 | 8163.142814 |
| 1458.774852 | 28.48612689 | 7.9 | 0.498683886 | 8163.139204 | 8163.135204 |
| 1458.778852 | 28.52259888 | 7.9 | 0.498679374 | 8163.139204 | 8163.135204 |
| 1458.782852 | 28.55045072 | 7.9 | 0.498674862 | 8163.139204 | 8163.135204 |
| 1458.786852 | 28.58733805 | 7.9 | 0.498670349 | 8163.139204 | 8163.135204 |
| 1458.790852 | 28.61332767 | 7.9 | 0.498665835 | 8163.5175 | 8163.511618 |
| 1458.866372 | 28.64521176 | 7.9 | 0.498661317 | 8192.222495 | 8192.074026 |
| 1459.470343 | 28.67742064 | 7.9 | 0.498656754 | 8404.364477 | 8403.303432 |
| 1462.30732 | 28.70993728 | 7.9 | 0.498651934 | 9329.074225 | 9324.506625 |
| 1464.099314 | 28.74208164 | 7.9 | 0.498646502 | 9120.568316 | 9121.605301 |
| 1462.19612 | 28.77427366 | 7.9 | 0.498641074 | 8563.698124 | 8566.470317 |
| 1460.45186 | 28.80648818 | 7.9 | 0.498636065 | 8420.807376 | 8421.515241 |
| 1461.21079 | 28.83932718 | 7.9 | 0.498631209 | 8868.454598 | 8866.263569 |
| 1462.44652 | 28.87558757 | 7.9 | 0.498626093 | 8917.743089 | 8917.523452 |
| 1462.609452 | 28.90344116 | 7.9 | 0.498620847 | 8935.587072 | 8935.483445 |
| 1464.20278 | 28.93597268 | 7.9 | 0.498615501 | 9558.237972 | 9555.162478 |
| 1466.392106 | 28.96829468 | 7.9 | 0.49860972 | 9802.265913 | 9801.050363 |
| 1465.919308 | 28.99726719 | 7.9 | 0.498603698 | 9360.888241 | 9363.055443 |
| 1464.651846 | 28.90227094 | 7.9 | 0.498597914 | 9296.595051 | 9296.916757 |
| 1463.940648 | 28.80185642 | 7.9 | 0.498592294 | 9071.390797 | 9072.465367 |
| 1463.189717 | 28.70912926 | 7.9 | 0.498586839 | 8994.233593 | 8994.630076 |
| 1462.518253 | 28.61213014 | 7.9 | 0.498581505 | 8801.604738 | 8802.556874 |
| 1461.409723 | 28.51528946 | 7.9 | 0.498576339 | 8546.835242 | 8548.097879 |
| 1460.420393 | 28.41722698 | 7.9 | 0.498571394 | 8402.220433 | 8402.926389 |
| 1459.828395 | 28.32030959 | 7.9 | 0.49856661 | 8307.366672 | 8307.833876 |
| 1459.474796 | 28.22121521 | 7.9 | 0.498561921 | 8258.905814 | 8259.137197 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1459.272184 | 28.12822815 | 7.9 | 0.498557289 | 8225.857616 | 8226.024876 |
| 1459.315917 | 28.0301272 | 7.9 | 0.498552682 | 8277.600812 | 8277.342869 |
| 1459.566263 | 27.93438643 | 7.9 | 0.498548046 | 8323.920541 | 8323.683548 |
| 1459.570263 | 27.83715668 | 7.9 | 0.498543371 | 8277.827326 | 8278.051523 |
| 1459.653729 | 27.74148235 | 7.9 | 0.498538706 | 8356.633809 | 8356.233221 |
| 1459.975595 | 27.64140706 | 7.9 | 0.498533996 | 8402.468749 | 8402.244847 |
| 1459.979595 | 27.54788885 | 7.9 | 0.498529241 | 8355.916012 | 8356.151639 |
| 1459.625996 | 27.44954812 | 7.9 | 0.498524517 | 8259.380172 | 8259.848732 |
| 1459.252531 | 27.35011554 | 7.9 | 0.498519871 | 8203.576951 | 8203.842939 |
| 1459.061838 | 27.25761921 | 7.9 | 0.498515283 | 8182.2477 | 8182.354734 |
| 1458.978425 | 27.14153898 | 7.9 | 0.498510721 | 8168.876304 | 8168.926146 |
| 1458.942692 | 27.05771129 | 7.9 | 0.498506173 | 8166.333753 | 8166.344529 |
| 1458.938745 | 26.96710023 | 7.9 | 0.498501629 | 8166.333753 | 8166.329753 |
| 1458.942745 | 26.86329013 | 7.9 | 0.498497086 | 8166.207033 | 8166.203663 |
| 1458.942772 | 26.77026677 | 7.9 | 0.498492541 | 8164.736478 | 8164.740103 |
| 1458.942798 | 26.6696698 | 7.9 | 0.498487997 | 8164.608571 | 8164.605207 |
| 1458.942825 | 26.57674358 | 7.9 | 0.498483453 | 8163.074807 | 8163.078754 |
| 1458.938878 | 26.47507642 | 7.9 | 0.498478909 | 8161.541929 | 8161.545154 |
| 1458.938905 | 26.38552155 | 7.9 | 0.498474365 | 8161.51593 | 8161.512059 |
| 1458.938932 | 26.27155811 | 7.9 | 0.498469822 | 8159.634944 | 8159.63889 |
| 1458.934985 | 26.19145829 | 7.9 | 0.498465278 | 8158.381877 | 8158.385481 |
| 1458.938985 | 26.08236868 | 7.9 | 0.498460736 | 8159.706889 | 8159.697308 |
| 1458.942985 | 25.98697814 | 7.9 | 0.498456192 | 8158.425378 | 8158.428548 |
| 1458.946985 | 25.70463652 | 7.9 | 0.498451647 | 8159.772767 | 8159.762531 |
| 1458.950985 | 25.44643083 | 7.9 | 0.498447102 | 8158.34738 | 8158.350723 |
| 1458.951012 | 25.18177767 | 7.9 | 0.498442556 | 8158.456528 | 8158.451985 |
| 1458.958985 | 24.91390688 | 7.9 | 0.49843801 | 8159.828294 | 8159.817505 |
| 1458.962985 | 24.64502556 | 7.9 | 0.498433462 | 8158.477005 | 8158.479662 |
| 1458.966985 | 24.3853361 | 7.9 | 0.498428913 | 8159.856821 | 8159.845748 |
| 1458.970985 | 24.10478905 | 7.9 | 0.498424364 | 8158.34738 | 8158.350476 |
| 1458.971012 | 23.85109901 | 7.9 | 0.498419814 | 8158.254133 | 8158.250597 |
| 1458.971039 | 23.59413224 | 7.9 | 0.498415264 | 8156.855545 | 8156.858792 |
| 1458.982985 | 23.3324032 | 7.9 | 0.498410714 | 8162.110199 | 8162.079615 |
| 1459.404184 | 23.06660277 | 7.9 | 0.498406141 | 8324.950036 | 8324.133254 |
| 1464.859579 | 22.79741939 | 7.9 | 0.498401201 | 10359.4948 | 10349.46393 |
| 1471.57849 | 22.53177792 | 7.9 | 0.498394843 | 11034.57218 | 11031.19676 |
| 1477.820602 | 22.26284692 | 7.9 | 0.4983874 | 12878.11231 | 12869.01406 |
| 1485.413643 | 21.99889932 | 7.9 | 0.498378485 | 14089.68426 | 14083.59096 |
| 1497.496536 | 21.73299125 | 7.9 | 0.498367953 | 17727.21653 | 17709.06381 |
| 1527.459369 | 21.46591096 | 7.9 | 0.498353688 | 26134.85153 | 26093.08334 |
| 1563.064316 | 21.19889207 | 7.9 | 0.498332574 | 32020.71972 | 31991.47163 |
| 1573.398948 | 20.93313325 | 7.9 | 0.498306401 | 30267.18238 | 30275.93221 |
| 1556.317672 | 20.66633323 | 7.9 | 0.498280936 | 25150.45172 | 25175.89138 |
| 1525.13111 | 20.39954332 | 7.9 | 0.498259995 | 17725.76455 | 17762.68221 |
| 1497.004004 | 20.12698071 | 7.9 | 0.498245204 | 13836.19437 | 13855.11452 |
| 1485.803242 | 19.86125991 | 7.9 | 0.498234399 | 13202.18885 | 13205.3501 |
| 1481.078991 | 19.59487273 | 7.9 | 0.498224935 | 11931.23641 | 11937.56222 |
| 1475.440877 | 19.3250283 | 7.9 | 0.498216533 | 10947.03332 | 10951.86714 |
| 1471.948355 | 19.06117652 | 7.9 | 0.498209073 | 10533.82372 | 10535.8973 |
| 1469.608096 | 18.79596343 | 7.9 | 0.498202155 | 10010.07983 | 10012.69581 |
| 1467.069172 | 18.52759484 | 7.9 | 0.498195727 | 9515.545461 | 9517.986109 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1465.046778 | 18.25978969 | 7.9 | 0.498189765 | 9196.786261 | 9198.361342 |
| 1463.660116 | 17.99921898 | 7.9 | 0.498184137 | 8966.080878 | 8967.250596 |
| 1464.736913 | 17.8061507 | 7.9 | 0.498178648 | 9638.723884 | 9635.365123 |
| 1473.601416 | 17.61188613 | 7.9 | 0.498172421 | 12547.8752 | 12533.45103 |
| 1491.485356 | 17.41920442 | 7.9 | 0.498163605 | 16840.98291 | 16819.52445 |
| 1563.04885 | 17.22565201 | 7.9 | 0.498147955 | 41303.42874 | 41181.72356 |
| 1658.889328 | 17.03139992 | 7.9 | 0.498114064 | 55344.68839 | 55275.08163 |
| 1691.871884 | 16.83814583 | 7.9 | 0.498067376 | 54529.58339 | 54533.64068 |
| 1672.803948 | 16.64390641 | 7.9 | 0.498019732 | 47644.02941 | 47678.15989 |
| 1641.41872 | 16.45066877 | 7.9 | 0.497977203 | 41906.9685 | 41935.55303 |
| 1614.801476 | 16.25658826 | 7.9 | 0.497940078 | 36953.98691 | 36978.55688 |
| 1594.144212 | 16.06405232 | 7.9 | 0.497907477 | 33640.22212 | 33656.79181 |
| 1601.300188 | 15.87085337 | 7.9 | 0.497877008 | 39882.8869 | 39851.76891 |
| 1735.602404 | 15.67737958 | 7.9 | 0.497836369 | 87653.94692 | 87416.18438 |
| 2347.895016 | 15.48366926 | 7.9 | 0.497739321 | 285996.3519 | 285010.3955 |
| 2845.35868 | 15.29026406 | 7.9 | 0.497532306 | 287557.6756 | 287549.898 |
| 2567.23028 | 15.09671469 | 7.9 | 0.497312553 | 174165.87 | 174730.0014 |
| 2126.593092 | 14.90306399 | 7.9 | 0.497155812 | 110411.4713 | 110728.4857 |
| 1840.915384 | 14.70941463 | 7.9 | 0.49705541 | 59318.21101 | 59572.26967 |
| 1671.25862 | 14.51563695 | 7.9 | 0.496996623 | 42226.61785 | 42311.54592 |
| 1605.305508 | 14.32229593 | 7.9 | 0.49695784 | 32811.99536 | 32858.88051 |
| 1557.073403 | 14.12841047 | 7.9 | 0.496929213 | 22840.11282 | 22889.63381 |
| 1517.145537 | 13.93524791 | 7.9 | 0.496909319 | 16784.4647 | 16814.64865 |
| 1523.26845 | 13.74188057 | 7.9 | 0.496894004 | 25321.46026 | 25278.94388 |
| 1562.01232 | 13.5478181 | 7.9 | 0.49687352 | 32364.37895 | 32329.42842 |
| 1593.80288 | 13.35267669 | 7.9 | 0.496846198 | 38086.9579 | 38058.71882 |
| 1605.72684 | 13.15164323 | 7.9 | 0.496814135 | 37123.37575 | 37127.9813 |
| 1602.552184 | 12.96676627 | 7.9 | 0.49678168 | 36841.58339 | 36843.05255 |
| 1612.489484 | 12.77382832 | 7.9 | 0.496749011 | 41141.82858 | 41120.36265 |
| 1635.53874 | 12.58062926 | 7.9 | 0.496713043 | 46105.05341 | 46080.31228 |
| 2284.385896 | 12.38706297 | 7.9 | 0.496637619 | 301995.3308 | 300722.3586 |
| 3318.24776 | 12.19351784 | 7.9 | 0.496410337 | 461645.8426 | 460851.544 |
| 2942.375688 | 11.9999375 | 7.9 | 0.496115986 | 150822.0519 | 152367.9541 |
| 1939.911052 | 11.86657909 | 7.9 | 0.495956589 | 58691.4902 | 59149.76096 |
| 1668.934628 | 11.73305761 | 7.9 | 0.495891919 | 41913.28608 | 41996.63799 |
| 1605.76284 | 11.59993721 | 7.9 | 0.49585337 | 33301.92802 | 33344.83513 |
| 1563.649648 | 11.46657454 | 7.9 | 0.495824203 | 24995.02259 | 25036.33738 |
| 1525.032978 | 11.33299449 | 7.9 | 0.495802768 | 17772.17071 | 17808.03483 |
| 1499.091198 | 11.19905463 | 7.9 | 0.495787841 | 14562.67293 | 14578.56392 |
| 1488.605633 | 11.06155394 | 7.9 | 0.495776474 | 13542.08787 | 13547.00494 |
| 1484.71578 | 10.93194809 | 7.9 | 0.495766477 | 13000.49594 | 13003.26418 |
| 1482.375521 | 10.79544931 | 7.9 | 0.495757088 | 12612.41028 | 12614.29177 |
| 1480.790193 | 10.66440237 | 7.9 | 0.495748093 | 12361.22874 | 12362.4962 |
| 1479.52273 | 10.53198846 | 7.9 | 0.495739368 | 12106.94374 | 12108.21361 |
| 1478.136068 | 10.39680195 | 7.9 | 0.495730899 | 11801.9253 | 11803.41782 |
| 1476.908339 | 10.26426814 | 7.9 | 0.495722701 | 11611.97638 | 11612.92312 |
| 1476.038209 | 10.13295418 | 7.9 | 0.495714706 | 11457.02993 | 11457.80884 |
| 1477.313671 | 9.999777699 | 7.9 | 0.495706773 | 12128.34772 | 12124.9999 |
| 1482.52272 | 9.866138435 | 7.9 | 0.495698285 | 13551.79176 | 13544.72218 |
| 1488.7251 | 9.731646757 | 7.9 | 0.495688617 | 14606.81563 | 14601.60901 |
| 1489.245631 | 9.597503357 | 7.9 | 0.495678065 | 13729.77534 | 13734.10865 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1483.726716 | 9.465769273 | 7.9 | 0.495668001 | 12393.21412 | 12399.9407 |
| 1478.764066 | 9.331276067 | 7.9 | 0.495659051 | 11753.67539 | 11756.82552 |
| 1476.384074 | 9.187533293 | 7.9 | 0.495650836 | 11425.70838 | 11427.21198 |
| 1475.235812 | 9.05749553 | 7.9 | 0.495642977 | 11289.90146 | 11290.5908 |
| 1474.683547 | 8.92767636 | 7.9 | 0.495635288 | 11209.43192 | 11209.83873 |
| 1474.131282 | 8.79830897 | 7.9 | 0.495627698 | 11070.1557 | 11070.86589 |
| 1473.459818 | 8.662862139 | 7.9 | 0.49562023 | 10939.89246 | 10940.52646 |
| 1472.788353 | 8.53045878 | 7.9 | 0.495612891 | 10798.17348 | 10798.87954 |
| 1472.196355 | 8.381533554 | 7.9 | 0.495605683 | 10699.97876 | 10700.40753 |
| 1471.88249 | 8.266443702 | 7.9 | 0.495598569 | 10681.91306 | 10682.02068 |
| 1485.872576 | 8.133065611 | 7.9 | 0.495590744 | 16338.96516 | 16310.82607 |
| 1515.001012 | 7.999805561 | 7.9 | 0.495578486 | 22395.76482 | 22365.68047 |
| 1540.156127 | 7.948013315 | 7.9 | 0.495560738 | 26459.53658 | 26439.38494 |
| 1557.801668 | 7.896316652 | 7.9 | 0.495538866 | 29475.2121 | 29460.22924 |
| 1566.14964 | 7.845069823 | 7.9 | 0.495514278 | 29784.4754 | 29782.92151 |
| 1556.617672 | 7.793354114 | 7.9 | 0.495489463 | 25618.23904 | 25638.92142 |
| 1532.622819 | 7.741883367 | 7.9 | 0.495467919 | 20139.45764 | 20166.78655 |
| 1507.038638 | 7.688068158 | 7.9 | 0.495451254 | 15369.21669 | 15391.92799 |
| 1496.076275 | 7.638537076 | 7.9 | 0.495438627 | 15762.41909 | 15760.38193 |
| 1516.821006 | 7.586901036 | 7.9 | 0.495425642 | 23702.4822 | 23662.99314 |
| 1544.638246 | 7.535262369 | 7.9 | 0.495407094 | 26891.44635 | 26875.58487 |
| 1538.006801 | 7.483721161 | 7.9 | 0.495385785 | 21006.84919 | 21036.16253 |
| 1509.68103 | 7.431132291 | 7.9 | 0.495368299 | 15512.49478 | 15539.30897 |
| 1494.228815 | 7.379978433 | 7.9 | 0.495355504 | 14816.82699 | 14820.31583 |
| 1493.875216 | 7.32681861 | 7.9 | 0.495344187 | 15370.03155 | 15367.36103 |
| 1494.475214 | 7.277164658 | 7.9 | 0.495332705 | 15043.78795 | 15045.47039 |
| 1491.022426 | 7.224755305 | 7.9 | 0.49532144 | 13972.99378 | 13978.23618 |
| 1485.74191 | 7.172910966 | 7.9 | 0.495311038 | 12910.72259 | 12915.97965 |
| 1481.693124 | 7.121968659 | 7.9 | 0.495301604 | 12363.29607 | 12366.05172 |
| 1479.829663 | 7.067346865 | 7.9 | 0.49529278 | 12157.08743 | 12158.05375 |
| 1478.760867 | 7.017822963 | 7.9 | 0.495284226 | 11925.77132 | 11926.9664 |
| 1477.453671 | 6.966178582 | 7.9 | 0.495275901 | 11640.98943 | 11642.40138 |
| 1476.265675 | 6.91601355 | 7.9 | 0.495267829 | 11461.34075 | 11462.25727 |
| 1482.706454 | 6.864475748 | 7.9 | 0.495259589 | 14261.17311 | 14247.21948 |
| 1574.812011 | 6.812886805 | 7.9 | 0.495244582 | 48514.20051 | 48343.70435 |
| 1927.80576 | 6.761263962 | 7.9 | 0.495192083 | 156132.0171 | 155596.7042 |
| 2174.950264 | 6.709670405 | 7.9 | 0.495073139 | 147825.0692 | 147866.4088 |
| 2056.151996 | 6.658046177 | 7.9 | 0.494948179 | 108357.8267 | 108554.1341 |
| 1818.55146 | 6.606418948 | 7.9 | 0.494853589 | 52302.59094 | 52581.39129 |
| 1636.577404 | 6.55481364 | 7.9 | 0.494800189 | 35218.61205 | 35303.61548 |
| 1573.802948 | 6.503118225 | 7.9 | 0.494767672 | 27062.91772 | 27103.42453 |
| 1537.371604 | 6.451306934 | 7.9 | 0.494744133 | 20565.99684 | 20598.19151 |
| 1517.191138 | 6.400857741 | 7.9 | 0.494726409 | 18967.37695 | 18975.29178 |
| 1514.413814 | 6.48509929 | 7.9 | 0.494710909 | 19451.38608 | 19448.98496 |
| 1514.61648 | 6.569308689 | 7.9 | 0.494695477 | 19010.2502 | 19012.43256 |
| 1509.335964 | 6.652950085 | 7.9 | 0.494680421 | 17303.0432 | 17311.55604 |
| 1500.399994 | 6.735920737 | 7.9 | 0.494666762 | 15443.06732 | 15452.41759 |
| 1493.212285 | 6.820782738 | 7.9 | 0.494654778 | 14438.21872 | 14443.15481 |
| 1490.156829 | 6.909335597 | 7.9 | 0.494643833 | 14240.51528 | 14241.43278 |
| 1490.359495 | 6.9881785 | 7.9 | 0.494633212 | 14516.32732 | 14514.8606 |
| 1490.045629 | 7.071914378 | 7.9 | 0.494622503 | 14079.98879 | 14082.15909 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1486.632574 | 7.156054677 | 7.9 | 0.494612115 | 13137.34938 | 13142.02007 |
| 1482.424855 | 7.239426953 | 7.9 | 0.494602501 | 12399.15349 | 12402.84431 |
| 1481.038193 | 7.330569332 | 7.9 | 0.494593532 | 12607.44403 | 12606.48643 |
| 1481.99579 | 7.415689443 | 7.9 | 0.494584593 | 12782.61948 | 12781.75816 |
| 1482.516321 | 7.499711307 | 7.9 | 0.494575487 | 12798.62096 | 12798.5375 |
| 1482.599788 | 7.574904003 | 7.9 | 0.494566325 | 12819.57078 | 12819.45433 |
| 1484.630181 | 7.658092391 | 7.9 | 0.49455705 | 13615.17497 | 13611.18041 |
| 1514.55328 | 7.742021364 | 7.9 | 0.494545703 | 24851.89608 | 24796.02663 |
| 1570.700292 | 7.825839 | 7.9 | 0.494525474 | 36181.92545 | 36125.51727 |
| 1605.272176 | 7.910060556 | 7.9 | 0.494495696 | 38713.95359 | 38701.40559 |
| 1599.316196 | 7.993584581 | 7.9 | 0.494462941 | 33788.88177 | 33813.48252 |
| 1609.253496 | 8.077491202 | 7.9 | 0.49443157 | 42740.15867 | 42695.63987 |
| 1661.70532 | 8.161673894 | 7.9 | 0.494393846 | 54837.63587 | 54777.66989 |
| 1674.821276 | 8.245228496 | 7.9 | 0.49434802 | 47993.85459 | 48028.02815 |
| 1636.284072 | 8.330014559 | 7.9 | 0.494305504 | 39358.64632 | 39401.13535 |
| 1611.256156 | 8.412993962 | 7.9 | 0.494269689 | 37933.44292 | 37940.60552 |
| 1597.353536 | 8.496890063 | 7.9 | 0.494236843 | 33777.96039 | 33798.62424 |
| 1574.31228 | 8.580706632 | 7.9 | 0.494207533 | 28669.27087 | 28694.69973 |
| 1546.423574 | 8.665956312 | 7.9 | 0.494182979 | 22548.84038 | 22578.78728 |
| 1527.872169 | 8.748613113 | 7.9 | 0.494163393 | 21250.92819 | 21257.47925 |
| 1558.152868 | 8.83248721 | 7.9 | 0.49414393 | 34763.02427 | 34695.79842 |
| 1609.690828 | 8.916618299 | 7.9 | 0.49411522 | 41911.55498 | 41876.09706 |
| 1619.230796 | 9.000418495 | 7.9 | 0.494080073 | 38562.24664 | 38578.96411 |
| 1595.394876 | 9.17902802 | 7.9 | 0.494046564 | 32330.72974 | 32361.7217 |
| 1563.612316 | 9.357559015 | 7.9 | 0.494018424 | 25787.22066 | 25819.77881 |
| 1535.127612 | 9.535786754 | 7.9 | 0.493996176 | 20899.66304 | 20924.0222 |
| 1551.422224 | 9.714835671 | 7.9 | 0.493976654 | 32377.97367 | 32321.016 |
| 1604.549512 | 9.894988855 | 7.9 | 0.493949451 | 42258.20434 | 42209.48138 |
| 1630.777424 | 10.07157423 | 7.9 | 0.493913939 | 42885.44826 | 42882.28829 |
| 1620.05346 | 10.25043156 | 7.9 | 0.493876951 | 37957.62287 | 37982.09597 |
| 1628.0041 | 10.4289195 | 7.9 | 0.493841795 | 46103.33958 | 46062.79067 |
| 1672.906616 | 10.60855308 | 7.9 | 0.493801109 | 55961.91104 | 55913.15248 |
| 1689.59856 | 10.78637896 | 7.9 | 0.49375338 | 52759.29628 | 52775.29204 |
| 1659.405328 | 10.96449924 | 7.9 | 0.49370712 | 43839.44822 | 43883.934 |
| 1619.676128 | 11.14294913 | 7.9 | 0.493667852 | 36816.47014 | 36851.43012 |
| 1585.906908 | 11.32176463 | 7.9 | 0.493635356 | 30260.79735 | 30293.36411 |
| 1556.111008 | 11.50115347 | 7.9 | 0.493608941 | 24813.76784 | 24840.73981 |
| 1532.394288 | 11.67933145 | 7.9 | 0.493587688 | 20723.0512 | 20743.44402 |
| 1515.034879 | 11.85792888 | 7.9 | 0.49357041 | 17852.24872 | 17866.52524 |
| 1503.397052 | 12.03696248 | 7.9 | 0.493555988 | 16047.56951 | 16056.52077 |
| 1496.169609 | 12.22058479 | 7.9 | 0.493543403 | 14929.48941 | 14934.8929 |
| 1491.763224 | 12.39711512 | 7.9 | 0.493531974 | 14272.77673 | 14276.07811 |
| 1489.1051 | 12.58896268 | 7.9 | 0.493521248 | 13872.00103 | 13873.84324 |
| 1487.837637 | 12.76614568 | 7.9 | 0.493510927 | 13771.17046 | 13771.67243 |
| 1487.563505 | 12.9355956 | 7.9 | 0.493500763 | 13757.348 | 13757.41277 |
| 1486.693374 | 13.11514424 | 7.9 | 0.493490666 | 13394.72045 | 13396.511 |
| 1484.432582 | 13.29517216 | 7.9 | 0.493480856 | 12839.57436 | 12842.3096 |
| 1482.05259 | 13.46881083 | 7.9 | 0.493471522 | 12468.69094 | 12470.58701 |
| 1481.778458 | 13.64601594 | 7.9 | 0.493462526 | 12764.17221 | 12762.68721 |
| 1484.643248 | 13.83197781 | 7.9 | 0.49345333 | 13597.28897 | 13593.31771 |
| 1486.196843 | 14.00584989 | 7.9 | 0.493443554 | 13350.85144 | 13352.08987 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1484.452582 | 14.13443011 | 7.9 | 0.493433801 | 12905.96938 | 12908.1868 |
| 1483.145386 | 14.25926519 | 7.9 | 0.493424396 | 12841.48133 | 12841.8085 |
| 1482.116323 | 14.38821123 | 7.9 | 0.493415176 | 12489.07407 | 12490.82451 |
| 1480.014464 | 14.52000056 | 7.9 | 0.493406254 | 11989.56908 | 11991.99754 |
| 1478.071537 | 14.65085975 | 7.9 | 0.493397748 | 11702.92673 | 11704.32856 |
| 1476.923274 | 14.79146883 | 7.9 | 0.493389554 | 11522.15505 | 11522.97198 |
| 1476.25181 | 14.90850501 | 7.9 | 0.493381545 | 11443.72403 | 11444.15457 |
| 1476.295543 | 15.03350405 | 7.9 | 0.493373622 | 11559.28763 | 11558.6913 |
| 1478.723268 | 15.16144402 | 7.9 | 0.493365543 | 12420.33657 | 12416.01242 |
| 1495.176813 | 15.29157038 | 7.9 | 0.493356115 | 18172.7891 | 18144.40851 |
| 1511.829024 | 15.4199515 | 7.9 | 0.493342722 | 19092.25606 | 19087.65393 |
| 1506.747174 | 15.5489958 | 7.9 | 0.493327995 | 16106.12863 | 16120.9796 |
| 1492.447222 | 15.67880124 | 7.9 | 0.493315326 | 13343.22044 | 13356.87987 |
| 1482.637122 | 15.81076781 | 7.9 | 0.49330516 | 12153.59253 | 12159.37335 |
| 1478.191003 | 15.93765582 | 7.9 | 0.49329638 | 11562.36078 | 11565.34842 |
| 1476.009677 | 16.06630726 | 7.9 | 0.493288264 | 11292.06894 | 11293.41366 |
| 1474.742215 | 16.20473878 | 7.9 | 0.493280478 | 11046.10686 | 11047.23972 |
| 1473.872084 | 16.32950188 | 7.9 | 0.493272914 | 10936.28341 | 10936.8442 |
| 1473.240353 | 16.46465239 | 7.9 | 0.493265491 | 10811.53863 | 10812.12134 |
| 1473.164887 | 16.58211762 | 7.9 | 0.49325817 | 10916.60569 | 10916.0291 |
| 1474.440349 | 16.71650638 | 7.9 | 0.493250763 | 11325.73844 | 11323.78143 |
| 1476.113144 | 16.84482296 | 7.9 | 0.493243042 | 11567.01234 | 11565.80048 |
| 1475.958211 | 16.96854845 | 7.9 | 0.493235102 | 11253.86616 | 11255.48873 |
| 1477.670738 | 17.09721645 | 7.9 | 0.493227182 | 12279.96982 | 12274.84647 |
| 1487.647772 | 17.23651385 | 7.9 | 0.493218305 | 15243.38132 | 15229.81618 |
| 1494.684548 | 17.35517823 | 7.9 | 0.493207337 | 15091.19247 | 15092.00948 |
| 1488.887501 | 17.48551154 | 7.9 | 0.493196128 | 12910.1959 | 12920.93366 |
| 1480.666728 | 17.61554947 | 7.9 | 0.493186481 | 11780.72265 | 11786.29395 |
| 1476.657675 | 17.74672052 | 7.9 | 0.493178053 | 11297.74384 | 11300.1032 |
| 1474.555816 | 17.87634263 | 7.9 | 0.493170215 | 10932.01803 | 10933.82521 |
| 1472.930754 | 18.00122393 | 7.9 | 0.493162743 | 10654.72547 | 10656.14748 |
| 1471.742758 | 18.14820197 | 7.9 | 0.493155553 | 10468.37436 | 10469.19989 |
| 1471.349426 | 18.26783217 | 7.9 | 0.493148546 | 10504.85554 | 10504.65371 |
| 1473.737418 | 18.40095592 | 7.9 | 0.493141446 | 11433.02506 | 11428.39606 |
| 1479.462999 | 18.53372818 | 7.9 | 0.493133568 | 12793.04886 | 12786.24981 |
| 1479.705398 | 18.66864264 | 7.9 | 0.493124783 | 11507.88773 | 11514.20218 |
| 1474.663282 | 18.80087285 | 7.9 | 0.493116612 | 10782.61928 | 10786.25448 |
| 1478.24327 | 18.9341118 | 7.9 | 0.493108901 | 12972.22746 | 12961.32218 |
| 1490.365896 | 19.06724637 | 7.9 | 0.49309961 | 15629.35657 | 15616.11312 |
| 1490.965894 | 19.20095222 | 7.9 | 0.493088475 | 13182.1207 | 13194.25804 |
| 1480.003531 | 19.33547486 | 7.9 | 0.493078587 | 11221.24198 | 11230.90642 |
| 1473.531019 | 19.46914098 | 7.9 | 0.493070543 | 10584.88721 | 10588.04122 |
| 1470.912628 | 19.60458619 | 7.9 | 0.493063369 | 10169.61085 | 10171.64017 |
| 1469.3273 | 19.73517563 | 7.9 | 0.493056618 | 9951.25638 | 9952.361616 |
| 1468.33797 | 19.86846075 | 7.9 | 0.493050115 | 9775.619707 | 9776.489837 |
| 1467.46784 | 20.00218374 | 7.9 | 0.493043795 | 9599.406024 | 9600.276155 |
| 1466.597709 | 20.13488116 | 7.9 | 0.493037646 | 9424.543787 | 9425.413917 |
| 1465.727579 | 20.27089213 | 7.9 | 0.493031667 | 9245.315116 | 9246.185247 |
| 1464.857448 | 20.40058602 | 7.9 | 0.49302586 | 9074.410799 | 9075.280929 |
| 1463.987318 | 20.53698388 | 7.9 | 0.493020219 | 8894.672298 | 8895.542429 |
| 1463.117188 | 20.66963322 | 7.9 | 0.49301475 | 8719.873428 | 8720.743558 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1462.247057 | 20.80590221 | 7.9 | 0.493009451 | 8548.082392 | 8548.913828 |
| 1461.813992 | 20.93982003 | 7.9 | 0.493004303 | 8548.082392 | 8548.078392 |
| 1461.817992 | 21.06671619 | 7.9 | 0.492999196 | 8549.434947 | 8549.424218 |
| 1470.881162 | 21.20278698 | 7.9 | 0.492993612 | 12183.19122 | 12165.48081 |
| 1479.149667 | 21.33357358 | 7.9 | 0.492985753 | 11867.73711 | 11869.33289 |
| 1474.663816 | 21.48173009 | 7.9 | 0.492977526 | 10377.7301 | 10384.31746 |
| 1470.813695 | 21.60384076 | 7.9 | 0.492970306 | 10319.21682 | 10319.53068 |
| 1470.49983 | 21.7476955 | 7.9 | 0.492963459 | 10250.28416 | 10250.59802 |
| 1470.185964 | 21.87026016 | 7.9 | 0.492956673 | 10191.55333 | 10191.8672 |
| 1469.872098 | 22.01492641 | 7.9 | 0.492949948 | 10121.9934 | 10122.30726 |
| 1469.558233 | 22.13246055 | 7.9 | 0.492943285 | 10063.79576 | 10064.10963 |
| 1469.244367 | 22.27337949 | 7.9 | 0.492936683 | 9994.019026 | 9994.332892 |
| 1468.930502 | 22.38809271 | 7.9 | 0.492930143 | 9937.218187 | 9937.532053 |
| 1468.616636 | 22.52262703 | 7.9 | 0.492923663 | 9870.602827 | 9870.916692 |
| 1468.30277 | 22.65196416 | 7.9 | 0.492917245 | 9806.560883 | 9806.874749 |
| 1467.988905 | 22.78053743 | 7.9 | 0.492910889 | 9742.897164 | 9743.21103 |
| 1467.675039 | 22.91092634 | 7.9 | 0.492904595 | 9678.33443 | 9678.648295 |
| 1467.361174 | 23.03671157 | 7.9 | 0.492898362 | 9616.051227 | 9616.365093 |
| 1467.047308 | 23.17438949 | 7.9 | 0.49289219 | 9547.879293 | 9548.193159 |
| 1466.733442 | 23.29166507 | 7.9 | 0.49288608 | 9489.80969 | 9490.123555 |
| 1466.419577 | 23.42370824 | 7.9 | 0.49288003 | 9424.427837 | 9424.741702 |
| 1466.105711 | 23.5500185 | 7.9 | 0.492874043 | 9361.88466 | 9362.198525 |
| 1465.791846 | 23.67954063 | 7.9 | 0.492868118 | 9297.751114 | 9298.06498 |
| 1465.47798 | 23.81186955 | 7.9 | 0.492862253 | 9232.227769 | 9232.541635 |
| 1465.164114 | 23.93666616 | 7.9 | 0.492856451 | 9170.434084 | 9170.74795 |
| 1464.850249 | 24.06932251 | 7.9 | 0.49285071 | 9104.74861 | 9105.062475 |
| 1464.536383 | 24.19581969 | 7.9 | 0.492845031 | 9042.112885 | 9042.426751 |
| 1464.222518 | 24.32873609 | 7.9 | 0.492839413 | 8976.298645 | 8976.61251 |
| 1463.908652 | 24.45303398 | 7.9 | 0.492833857 | 8914.751907 | 8915.065772 |
| 1463.594786 | 24.58440511 | 7.9 | 0.492828362 | 8849.702816 | 8850.016682 |
| 1463.280921 | 24.71442034 | 7.9 | 0.492822928 | 8785.325106 | 8785.638971 |
| 1462.967055 | 24.84247345 | 7.9 | 0.492817557 | 8721.918951 | 8722.232817 |
| 1462.65319 | 24.97224691 | 7.9 | 0.492812248 | 8658.21862 | 8658.529711 |
| 1462.379057 | 25.10967623 | 7.9 | 0.492806997 | 8611.973378 | 8612.183939 |
| 1462.263858 | 25.22740488 | 7.9 | 0.492801791 | 8615.337123 | 8615.316388 |
| 1462.943322 | 25.35744768 | 7.9 | 0.492796562 | 8880.280459 | 8878.968913 |
| 1463.225454 | 25.48535048 | 7.9 | 0.492791176 | 8722.683723 | 8723.470742 |
| 1462.593723 | 25.62223653 | 7.9 | 0.492785844 | 8630.256841 | 8630.683655 |
| 1462.43879 | 25.74477019 | 7.9 | 0.492780604 | 8656.733473 | 8656.589744 |
| 1462.164658 | 25.8721637 | 7.9 | 0.492775382 | 8515.24862 | 8515.957608 |
| 1461.57266 | 26.00238577 | 7.9 | 0.492770254 | 8418.013984 | 8418.481095 |
| 1461.179328 | 26.06925624 | 7.9 | 0.492765226 | 8354.548116 | 8354.858895 |
| 1460.905196 | 26.13464258 | 7.9 | 0.492760266 | 8307.863827 | 8308.096665 |
| 1460.71053 | 26.20134094 | 7.9 | 0.492755352 | 8276.224426 | 8276.377761 |
| 1460.59533 | 26.27135214 | 7.9 | 0.49275047 | 8259.45036 | 8259.525826 |
| 1460.519864 | 26.33555572 | 7.9 | 0.492745607 | 8244.067747 | 8244.143213 |
| 1460.444397 | 26.40132848 | 7.9 | 0.492740759 | 8228.37283 | 8228.44798 |
| 1460.376877 | 26.47146625 | 7.9 | 0.492735925 | 8215.849267 | 8215.904263 |
| 1460.349091 | 26.53381672 | 7.9 | 0.492731102 | 8216.752631 | 8216.744136 |
| 1460.66301 | 26.60145408 | 7.9 | 0.492726267 | 8341.830225 | 8341.212973 |
| 1461.135862 | 26.66837328 | 7.9 | 0.492721343 | 8406.78101 | 8406.455076 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1461.537194 | 26.73365014 | 7.9 | 0.492716339 | 8500.391866 | 8499.9122 |
| 1461.898792 | 26.80156347 | 7.9 | 0.492711257 | 8546.958608 | 8546.727391 |
| 1461.902792 | 26.86871634 | 7.9 | 0.492706125 | 8499.181985 | 8499.413941 |
| 1461.708126 | 26.93358569 | 7.9 | 0.492701016 | 8467.795423 | 8467.95186 |
| 1461.354528 | 27.00205104 | 7.9 | 0.49269595 | 8355.918025 | 8356.455621 |
| 1461.040662 | 27.06686587 | 7.9 | 0.492690963 | 8340.723047 | 8340.796851 |
| 1461.243328 | 27.13556641 | 7.9 | 0.492685999 | 8436.273167 | 8435.80834 |
| 1461.485727 | 27.20027303 | 7.9 | 0.492680979 | 8435.946093 | 8435.943721 |
| 1461.291061 | 27.27039981 | 7.9 | 0.492675945 | 8354.62058 | 8355.000562 |
| 1461.016929 | 27.33442054 | 7.9 | 0.492670964 | 8323.422006 | 8323.579531 |
| 1460.78253 | 27.40193568 | 7.9 | 0.492666028 | 8259.042507 | 8259.354758 |
| 1460.496477 | 27.46961215 | 7.9 | 0.492661144 | 8206.592613 | 8206.845585 |
| 1460.297838 | 27.53667628 | 7.9 | 0.492656312 | 8177.830445 | 8177.968688 |
| 1460.166745 | 27.60200621 | 7.9 | 0.492651512 | 8153.363288 | 8153.483565 |
| 1460.091279 | 27.67002124 | 7.9 | 0.492646734 | 8147.729066 | 8147.752454 |
| 1460.107199 | 27.73663209 | 7.9 | 0.492641964 | 8157.398956 | 8157.3468 |
| 1460.091332 | 27.80067522 | 7.9 | 0.49263719 | 8139.018308 | 8139.109506 |
| 1460.007919 | 27.87744336 | 7.9 | 0.492632427 | 8122.690938 | 8122.756127 |
| 1459.964239 | 27.93352171 | 7.9 | 0.492627677 | 8120.310673 | 8120.321039 |
| 1460.222532 | 27.99986294 | 7.9 | 0.492622921 | 8225.853674 | 8225.32533 |
| 1460.735117 | 27.96751361 | 7.9 | 0.492618086 | 8325.707577 | 8325.208186 |
| 1461.422528 | 27.9352827 | 7.9 | 0.492613144 | 8500.861437 | 8499.985289 |
| 1462.141725 | 27.90299976 | 7.9 | 0.492608055 | 8610.74219 | 8610.191948 |
| 1461.986792 | 27.87044652 | 7.9 | 0.492602872 | 8434.208489 | 8435.074767 |
| 1461.235862 | 27.83803264 | 7.9 | 0.492597789 | 8307.150232 | 8307.775292 |
| 1460.763063 | 27.80636563 | 7.9 | 0.492592836 | 8244.532087 | 8244.845444 |
| 1460.544557 | 27.77410709 | 7.9 | 0.492587952 | 8219.326349 | 8219.447749 |
| 1460.747223 | 27.74128178 | 7.9 | 0.492583088 | 8326.406045 | 8325.878533 |
| 1461.251862 | 27.70958918 | 7.9 | 0.492578151 | 8421.130533 | 8420.646909 |
| 1462.249192 | 27.67733592 | 7.9 | 0.492573092 | 8724.815404 | 8723.300309 |
| 1464.001452 | 27.64503892 | 7.9 | 0.492567764 | 9122.131812 | 9120.153512 |
| 1464.363051 | 27.61263056 | 7.9 | 0.492562145 | 8865.512174 | 8866.778964 |
| 1463.135322 | 27.57999256 | 7.9 | 0.492556636 | 8626.653572 | 8627.823884 |
| 1462.384391 | 27.54818258 | 7.9 | 0.492551337 | 8563.042455 | 8563.359344 |
| 1461.832126 | 27.5155972 | 7.9 | 0.492546153 | 8402.747627 | 8403.53305 |
| 1461.200395 | 27.48363318 | 7.9 | 0.492541093 | 8308.137977 | 8308.609018 |
| 1460.846796 | 27.45098841 | 7.9 | 0.492536135 | 8259.645289 | 8259.879689 |
| 1460.612397 | 27.41904503 | 7.9 | 0.492531235 | 8212.332569 | 8212.566281 |
| 1460.413758 | 27.38661678 | 7.9 | 0.492526379 | 8178.707912 | 8178.870319 |
| 1460.266772 | 27.35379053 | 7.9 | 0.492521557 | 8151.491169 | 8151.620197 |
| 1460.167465 | 27.32207303 | 7.9 | 0.492516761 | 8137.356598 | 8137.424118 |
| 1460.099946 | 27.28726425 | 7.9 | 0.492511981 | 8122.450164 | 8122.51467 |
| 1460.048319 | 27.25558949 | 7.9 | 0.492507214 | 8114.240547 | 8114.27811 |
| 1460.000666 | 27.22521547 | 7.9 | 0.492502456 | 8102.296454 | 8102.35559 |
| 1459.953013 | 27.19234974 | 7.9 | 0.492497708 | 8094.456394 | 8094.490651 |
| 1459.937146 | 27.15906198 | 7.9 | 0.492492967 | 8095.118418 | 8095.111125 |
| 1459.964986 | 27.12477943 | 7.9 | 0.492488226 | 8103.829461 | 8103.785115 |
| 1459.988853 | 27.0954092 | 7.9 | 0.492483479 | 8102.645532 | 8102.648134 |
| 1460.000799 | 27.06392626 | 7.9 | 0.492478729 | 8108.023193 | 8107.991865 |
| 1460.123999 | 27.02688407 | 7.9 | 0.492473971 | 8150.361007 | 8150.178192 |
| 1460.235279 | 27.00004718 | 7.9 | 0.492469184 | 8150.360333 | 8150.356337 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1460.171732 | 28.9005744 | 7.9 | 0.492464389 | 8122.638432 | 8122.768654 |
| 1460.056533 | 28.80556289 | 7.9 | 0.492459613 | 8102.310751 | 8102.409766 |
| 1459.97312 | 28.70947919 | 7.9 | 0.492454857 | 8088.054536 | 8088.121972 |
| 1459.925864 | 28.60135321 | 7.9 | 0.492450114 | 8081.799798 | 8081.82328 |
| 1459.913573 | 28.5124686 | 7.9 | 0.492445379 | 8081.560761 | 8081.55808 |
| 1459.91956 | 28.41667757 | 7.9 | 0.492440644 | 8083.27288 | 8083.260305 |
| 1459.983557 | 28.32249637 | 7.9 | 0.492435905 | 8105.758335 | 8105.639401 |
| 1460.390452 | 28.22451615 | 7.9 | 0.492431133 | 8243.066857 | 8242.388346 |
| 1460.454051 | 28.12740885 | 7.9 | 0.492426282 | 8129.382079 | 8129.941705 |
| 1460.140186 | 28.03066263 | 7.9 | 0.492421473 | 8117.529229 | 8117.584216 |
| 1460.219679 | 27.9347523 | 7.9 | 0.492416692 | 8159.823907 | 8159.60757 |
| 1460.291225 | 27.83801208 | 7.9 | 0.492411888 | 8143.810713 | 8143.886408 |
| 1460.199866 | 27.74090274 | 7.9 | 0.492407085 | 8121.422562 | 8121.529561 |
| 1460.104533 | 27.64511037 | 7.9 | 0.492402301 | 8104.172836 | 8104.255543 |
| 1460.692611 | 27.54725058 | 7.9 | 0.492397503 | 8357.347354 | 8356.097864 |
| 1461.523061 | 27.44952244 | 7.9 | 0.492392536 | 8434.547995 | 8434.163829 |
| 1461.527061 | 27.35395324 | 7.9 | 0.492387474 | 8355.240246 | 8355.635759 |
| 1461.01453 | 27.25637223 | 7.9 | 0.492382457 | 8227.621928 | 8228.247545 |
| 1460.557625 | 27.16076972 | 7.9 | 0.492377547 | 8170.936537 | 8171.218018 |
| 1460.331172 | 27.06352309 | 7.9 | 0.492372704 | 8135.854413 | 8136.024098 |
| 1460.215972 | 26.96744651 | 7.9 | 0.492367897 | 8123.724206 | 8123.781013 |
| 1460.609358 | 26.86091453 | 7.9 | 0.492363086 | 8292.51845 | 8291.759611 |
| 1461.03453 | 26.77352641 | 7.9 | 0.492358171 | 8291.725642 | 8291.725586 |
| 1460.752451 | 26.67545975 | 7.9 | 0.492353229 | 8176.609055 | 8177.170133 |
| 1460.359119 | 26.57974531 | 7.9 | 0.492348366 | 8132.523645 | 8132.741412 |
| 1460.180346 | 26.48249926 | 7.9 | 0.492343559 | 8103.83628 | 8103.974305 |
| 1460.077066 | 26.3783236 | 7.9 | 0.49233878 | 8088.969517 | 8089.034011 |
| 1460.026234 | 26.28195564 | 7.9 | 0.492334017 | 8082.066701 | 8082.097203 |
| 1460.013149 | 26.17283103 | 7.9 | 0.492329262 | 8082.796289 | 8082.789167 |
| 1460.019136 | 26.09007383 | 7.9 | 0.492324507 | 8083.161238 | 8083.155423 |
| 1460.036248 | 25.97196242 | 7.9 | 0.492319751 | 8087.630654 | 8087.60536 |
| 1460.043029 | 25.70957727 | 7.9 | 0.492314991 | 8083.217143 | 8083.235433 |
| 1460.017229 | 25.43799613 | 7.9 | 0.492310232 | 8075.967525 | 8075.998875 |
| 1459.998979 | 25.18243991 | 7.9 | 0.492305479 | 8074.969644 | 8074.97084 |
| 1460.000197 | 24.91034785 | 7.9 | 0.492300727 | 8074.969644 | 8074.965644 |
| 1460.004197 | 24.65019214 | 7.9 | 0.492295975 | 8075.018983 | 8075.014738 |
| 1460.010184 | 24.3765686 | 7.9 | 0.492291222 | 8075.782316 | 8075.774622 |
| 1460.016568 | 24.11822284 | 7.9 | 0.492286468 | 8075.928008 | 8075.923259 |
| 1460.020965 | 23.84161428 | 7.9 | 0.492281713 | 8075.928008 | 8075.924008 |
| 1460.024965 | 23.58655578 | 7.9 | 0.492276957 | 8075.919956 | 8075.915996 |
| 1460.028568 | 23.30629287 | 7.9 | 0.4922722 | 8075.784478 | 8075.781111 |
| 1460.032568 | 23.05429184 | 7.9 | 0.492267442 | 8075.905772 | 8075.901125 |
| 1460.035773 | 22.77056296 | 7.9 | 0.492262684 | 8075.431194 | 8075.429402 |
| 1460.038184 | 22.52067659 | 7.9 | 0.492257925 | 8075.289099 | 8075.285856 |
| 1460.041787 | 22.24100286 | 7.9 | 0.492253165 | 8075.319843 | 8075.31569 |
| 1460.046581 | 21.98941124 | 7.9 | 0.492248405 | 8075.602211 | 8075.596716 |
| 1460.050979 | 21.70421687 | 7.9 | 0.492243644 | 8075.483706 | 8075.480241 |
| 1460.055376 | 21.45540249 | 7.9 | 0.492238882 | 8075.74804 | 8075.742618 |
| 1460.058979 | 21.17205711 | 7.9 | 0.492234119 | 8075.255624 | 8075.253925 |
| 1460.060992 | 20.92276831 | 7.9 | 0.492229356 | 8074.988628 | 8074.98606 |
| 1460.065389 | 20.64132131 | 7.9 | 0.492224592 | 8075.464007 | 8075.457774 |

| Water Vol (cu.m) | Temp (deg. C) | pH (pH) | Bed Depth (m) | InflowH2O (cu.m/d) | DischH2O (cu.m/d) |
|------------------|---------------|---------|---------------|--------------------|-------------------|
| 1460.070979 | 20.39152239 | 7.9 | 0.492219827 | 8075.613631 | 8075.608837 |
| 1460.075773 | 20.10381087 | 7.9 | 0.492215061 | 8075.768281 | 8075.763574 |
| 1460.080171 | 19.85719241 | 7.9 | 0.492210294 | 8075.773956 | 8075.769928 |
| 1460.084568 | 19.57335167 | 7.9 | 0.492205526 | 8075.896085 | 8075.891528 |
| 1460.088171 | 19.32568627 | 7.9 | 0.492200757 | 8076.057435 | 8076.052746 |
| 1460.130314 | 19.04993749 | 7.9 | 0.492195987 | 8090.360008 | 8090.287504 |
| 1460.137493 | 18.75777756 | 7.9 | 0.492191207 | 8076.65876 | 8076.716089 |
| 1460.102157 | 18.52339086 | 7.9 | 0.492186431 | 8075.442871 | 8075.445786 |
| 1460.102184 | 18.24215793 | 7.9 | 0.49218166 | 8075.289099 | 8075.285893 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 11.10427692 | 0.37 | 0.084015817 | 17.76684306 |
| 11.10687931 | 0.37 | 0.084619803 | 17.7710069 |
| 11.25003805 | 0.37 | 0.085271126 | 18.00006089 |
| 15.61628807 | 0.37 | 0.087287643 | 24.98606091 |
| 24.41587243 | 0.37 | 0.09614484 | 39.06539589 |
| 28.2361255 | 0.37 | 0.107032547 | 45.1778008 |
| 22.12292862 | 0.37 | 0.104955131 | 35.3966858 |
| 20.24216614 | 0.37 | 0.097031991 | 32.38746583 |
| 19.72012316 | 0.37 | 0.095045669 | 31.55219705 |
| 18.24572324 | 0.37 | 0.093579102 | 29.19315718 |
| 17.36636806 | 0.37 | 0.091927672 | 27.78618889 |
| 19.77021609 | 0.37 | 0.093028742 | 31.63234574 |
| 29.72598834 | 0.37 | 0.10492138 | 47.56158134 |
| 28.93685767 | 0.37 | 0.113754283 | 46.29897227 |
| 22.25329583 | 0.37 | 0.105928428 | 35.60527333 |
| 18.56885883 | 0.37 | 0.095917388 | 29.71017412 |
| 17.00089274 | 0.37 | 0.091927935 | 27.20142839 |
| 15.57237259 | 0.37 | 0.090048638 | 24.91579615 |
| 13.67667048 | 0.37 | 0.088250736 | 21.88267276 |
| 11.33484388 | 0.37 | 0.086343048 | 18.13575022 |
| 10.51937153 | 0.37 | 0.0851191 | 16.83099445 |
| 10.22517551 | 0.37 | 0.084756 | 16.36028082 |
| 10.06421985 | 0.37 | 0.084616776 | 16.10275176 |
| 9.981147886 | 0.37 | 0.084542679 | 15.96983662 |
| 10.00151063 | 0.37 | 0.084522927 | 16.002417 |
| 10.01676221 | 0.37 | 0.084533984 | 16.02681954 |
| 10.00143201 | 0.37 | 0.084535978 | 16.00229122 |
| 9.935594887 | 0.37 | 0.0845126 | 15.89695182 |
| 9.904514147 | 0.37 | 0.08448378 | 15.84722264 |
| 9.828290695 | 0.37 | 0.084453141 | 15.72526511 |
| 9.68056429 | 0.37 | 0.084389849 | 15.48890286 |
| 9.574201823 | 0.37 | 0.084319277 | 15.31872292 |
| 9.495483943 | 0.37 | 0.084268641 | 15.19277431 |
| 9.43478632 | 0.37 | 0.0842307 | 15.09565811 |
| 9.395607582 | 0.37 | 0.084203646 | 15.03297213 |
| 9.939612136 | 0.37 | 0.084343572 | 15.90337942 |
| 10.07039316 | 0.37 | 0.084534177 | 16.11262906 |
| 9.690644012 | 0.37 | 0.084465467 | 15.50503042 |
| 9.534685445 | 0.37 | 0.084313296 | 15.25549671 |
| 9.428014825 | 0.37 | 0.084240874 | 15.08482372 |
| 9.360681521 | 0.37 | 0.084193847 | 14.97709043 |
| 9.312802051 | 0.37 | 0.084163153 | 14.90048328 |
| 9.313858225 | 0.37 | 0.084150621 | 14.90217316 |
| 9.340619955 | 0.37 | 0.08415807 | 14.94499193 |
| 9.354358653 | 0.37 | 0.084169151 | 14.96697385 |
| 9.366696966 | 0.37 | 0.084176599 | 14.98671515 |
| 9.332577166 | 0.37 | 0.084171333 | 14.93212347 |
| 9.277662822 | 0.37 | 0.084147902 | 14.84426051 |
| 9.242458439 | 0.37 | 0.084124468 | 14.7879335 |
| 9.215357845 | 0.37 | 0.084108298 | 14.74457255 |
| 9.1869628 | 0.37 | 0.084093944 | 14.69914048 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 9.173152233 | 0.37 | 0.084083224 | 14.67704357 |
| 9.158540282 | 0.37 | 0.084076137 | 14.65366445 |
| 9.144636105 | 0.37 | 0.084069051 | 14.63141777 |
| 9.133324285 | 0.37 | 0.084062691 | 14.61331886 |
| 9.126483641 | 0.37 | 0.084058148 | 14.60237383 |
| 9.122504505 | 0.37 | 0.084055423 | 14.59600721 |
| 9.123552376 | 0.37 | 0.084054697 | 14.5976838 |
| 9.130325743 | 0.37 | 0.084057061 | 14.60852119 |
| 9.120198962 | 0.37 | 0.084056517 | 14.59231834 |
| 9.11678139 | 0.37 | 0.084053065 | 14.58685022 |
| 9.11745941 | 0.37 | 0.084052521 | 14.58793506 |
| 9.118623222 | 0.37 | 0.084053249 | 14.58979716 |
| 9.114741384 | 0.37 | 0.084052887 | 14.58358621 |
| 9.111634316 | 0.37 | 0.084051252 | 14.57861491 |
| 9.111041304 | 0.37 | 0.084050344 | 14.57766609 |
| 9.113491538 | 0.37 | 0.084050891 | 14.58158646 |
| 9.123166519 | 0.37 | 0.084054164 | 14.59706643 |
| 9.137362315 | 0.37 | 0.084060708 | 14.6197797 |
| 9.130891813 | 0.37 | 0.084062891 | 14.6094269 |
| 9.130886236 | 0.37 | 0.084061256 | 14.60941798 |
| 9.129803368 | 0.37 | 0.084061257 | 14.60768539 |
| 9.120723285 | 0.37 | 0.084058896 | 14.59315726 |
| 9.113648052 | 0.37 | 0.084054898 | 14.58183688 |
| 9.110144846 | 0.37 | 0.084052355 | 14.57623175 |
| 9.109520045 | 0.37 | 0.084051447 | 14.57523207 |
| 9.108838193 | 0.37 | 0.084051267 | 14.57414111 |
| 9.108839042 | 0.37 | 0.084051268 | 14.57414247 |
| 9.108839042 | 0.37 | 0.084051451 | 14.57414247 |
| 9.108839042 | 0.37 | 0.084051634 | 14.57414247 |
| 9.108839042 | 0.37 | 0.084051817 | 14.57414247 |
| 9.109007923 | 0.37 | 0.084052 | 14.57441268 |
| 9.12182118 | 0.37 | 0.084055454 | 14.59491389 |
| 9.215683209 | 0.37 | 0.084083081 | 14.74509313 |
| 9.608965087 | 0.37 | 0.084212774 | 15.37434414 |
| 9.521887252 | 0.37 | 0.084294662 | 15.2350196 |
| 9.284757779 | 0.37 | 0.0842077 | 14.85561245 |
| 9.222694146 | 0.37 | 0.084127967 | 14.75631063 |
| 9.416077209 | 0.37 | 0.084162663 | 15.06572353 |
| 9.43676538 | 0.37 | 0.084219148 | 15.09882461 |
| 9.444266668 | 0.37 | 0.084226594 | 15.11082667 |
| 9.702523355 | 0.37 | 0.084299383 | 15.52403737 |
| 9.800635238 | 0.37 | 0.084399358 | 15.68101638 |
| 9.621368166 | 0.37 | 0.084377772 | 15.39418907 |
| 9.595064304 | 0.37 | 0.084319899 | 15.35210289 |
| 9.501328864 | 0.37 | 0.084287414 | 15.20212618 |
| 9.468991821 | 0.37 | 0.084253108 | 15.15038691 |
| 9.38728102 | 0.37 | 0.084222426 | 15.01964963 |
| 9.277601548 | 0.37 | 0.084171759 | 14.84416248 |
| 9.214546357 | 0.37 | 0.084126528 | 14.74327417 |
| 9.172822625 | 0.37 | 0.084099457 | 14.6765162 |
| 9.151407023 | 0.37 | 0.084083285 | 14.64225124 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 9.136749144 | 0.37 | 0.084074018 | 14.61879863 |
| 9.159741829 | 0.37 | 0.084076018 | 14.65558693 |
| 9.180207825 | 0.37 | 0.084087468 | 14.68833252 |
| 9.159787914 | 0.37 | 0.084087651 | 14.65566066 |
| 9.194640393 | 0.37 | 0.084091469 | 14.71142463 |
| 9.214759008 | 0.37 | 0.084106189 | 14.74361441 |
| 9.19425389 | 0.37 | 0.084106372 | 14.71080622 |
| 9.15159084 | 0.37 | 0.0840902 | 14.64254534 |
| 9.12683086 | 0.37 | 0.084073119 | 14.60292938 |
| 9.117349562 | 0.37 | 0.084064396 | 14.5877593 |
| 9.111393167 | 0.37 | 0.08406058 | 14.57822907 |
| 9.110263082 | 0.37 | 0.084058946 | 14.57642093 |
| 9.11026473 | 0.37 | 0.084058765 | 14.57642357 |
| 9.110208109 | 0.37 | 0.084058948 | 14.57633298 |
| 9.109551077 | 0.37 | 0.084058949 | 14.57528172 |
| 9.10949477 | 0.37 | 0.084058951 | 14.57519163 |
| 9.108809411 | 0.37 | 0.084058952 | 14.57409506 |
| 9.108125267 | 0.37 | 0.084058771 | 14.57300043 |
| 9.108114452 | 0.37 | 0.084058773 | 14.57298312 |
| 9.107273856 | 0.37 | 0.084058774 | 14.57163817 |
| 9.106714437 | 0.37 | 0.084058593 | 14.5707431 |
| 9.107307488 | 0.37 | 0.084058776 | 14.57169198 |
| 9.106733907 | 0.37 | 0.084058959 | 14.57077425 |
| 9.107336973 | 0.37 | 0.084059142 | 14.57173916 |
| 9.106699064 | 0.37 | 0.084059325 | 14.5707185 |
| 9.106748675 | 0.37 | 0.084059326 | 14.57079788 |
| 9.107361826 | 0.37 | 0.084059691 | 14.57177892 |
| 9.106757014 | 0.37 | 0.084059874 | 14.57081122 |
| 9.107374594 | 0.37 | 0.084060057 | 14.57179935 |
| 9.106699091 | 0.37 | 0.08406024 | 14.57071855 |
| 9.106658195 | 0.37 | 0.084060241 | 14.57065311 |
| 9.106032929 | 0.37 | 0.084060243 | 14.56965269 |
| 9.108381204 | 0.37 | 0.084060789 | 14.57340993 |
| 9.180712392 | 0.37 | 0.084080055 | 14.68913983 |
| 10.02064472 | 0.37 | 0.084329328 | 16.03303155 |
| 10.27608995 | 0.37 | 0.08463593 | 16.44174391 |
| 10.93164457 | 0.37 | 0.084920167 | 17.49063131 |
| 11.33148367 | 0.37 | 0.08526532 | 18.13037387 |
| 12.4224941 | 0.37 | 0.085812847 | 19.87599057 |
| 14.51012031 | 0.37 | 0.087162245 | 23.21619249 |
| 15.73735054 | 0.37 | 0.088752477 | 25.17976086 |
| 15.38491657 | 0.37 | 0.089211383 | 24.61586651 |
| 14.28524836 | 0.37 | 0.088452564 | 22.85639737 |
| 12.41844298 | 0.37 | 0.087057932 | 19.86950876 |
| 11.24773463 | 0.37 | 0.085790532 | 17.99637541 |
| 11.03971552 | 0.37 | 0.085283024 | 17.66354484 |
| 10.60142463 | 0.37 | 0.085068385 | 16.9622794 |
| 10.24276574 | 0.37 | 0.084811882 | 16.38842518 |
| 10.08656509 | 0.37 | 0.084652792 | 16.13850415 |
| 9.882841866 | 0.37 | 0.084546094 | 15.81254698 |
| 9.684589342 | 0.37 | 0.084430259 | 15.49534295 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 9.553581822 | 0.37 | 0.084337933 | 15.28573091 |
| 9.457021796 | 0.37 | 0.084274598 | 15.13123487 |
| 9.735018261 | 0.37 | 0.084323777 | 15.57602922 |
| 10.8185989 | 0.37 | 0.084728003 | 17.30975824 |
| 12.16948124 | 0.37 | 0.085540536 | 19.47116998 |
| 17.42766153 | 0.37 | 0.088744526 | 27.88425844 |
| 19.58868109 | 0.37 | 0.092951808 | 31.34188974 |
| 19.47005527 | 0.37 | 0.094374851 | 31.15208843 |
| 18.4453636 | 0.37 | 0.093554559 | 29.51258175 |
| 17.52270969 | 0.37 | 0.092196125 | 28.03633551 |
| 16.66296923 | 0.37 | 0.091034786 | 26.66075077 |
| 16.04864546 | 0.37 | 0.09012767 | 25.67783274 |
| 17.18069471 | 0.37 | 0.090442203 | 27.48911153 |
| 23.54616906 | 0.37 | 0.096211564 | 37.6715404 |
| 37.79331172 | 0.37 | 0.119819035 | 49.13130523 |
| 37.86239887 | 0.37 | 0.137095353 | 49.22392777 |
| 30.97153812 | 0.37 | 0.127784623 | 49.554461 |
| 25.81006154 | 0.37 | 0.111927268 | 41.29609847 |
| 20.12814575 | 0.37 | 0.100607856 | 32.2050332 |
| 17.57357486 | 0.37 | 0.093484913 | 28.11771978 |
| 15.88776398 | 0.37 | 0.090617538 | 25.42042236 |
| 13.74332279 | 0.37 | 0.088485234 | 21.98931646 |
| 12.15044357 | 0.37 | 0.086699208 | 19.44070971 |
| 14.32807235 | 0.37 | 0.086974043 | 22.92491575 |
| 15.80482224 | 0.37 | 0.088705543 | 25.28771558 |
| 16.86795785 | 0.37 | 0.090112356 | 26.98873255 |
| 16.69450478 | 0.37 | 0.09063716 | 26.71120765 |
| 16.64371706 | 0.37 | 0.090497724 | 26.6299473 |
| 17.39622053 | 0.37 | 0.090933574 | 27.83395285 |
| 18.20554098 | 0.37 | 0.091940392 | 29.12791378 |
| 38.62803673 | 0.37 | 0.117246711 | 50.21644775 |
| 45.76277544 | 0.37 | 0.151253896 | 59.49299165 |
| 29.21827511 | 0.37 | 0.139430886 | 46.74924017 |
| 20.03606296 | 0.37 | 0.104567639 | 32.05770073 |
| 17.52143292 | 0.37 | 0.093384801 | 28.03429267 |
| 15.98270477 | 0.37 | 0.090637802 | 25.57232763 |
| 14.24906558 | 0.37 | 0.088778033 | 22.79850492 |
| 12.43151949 | 0.37 | 0.087053565 | 19.89043119 |
| 11.48067583 | 0.37 | 0.085885028 | 18.36908133 |
| 11.15257829 | 0.37 | 0.085410193 | 17.84412526 |
| 10.97221671 | 0.37 | 0.085233647 | 17.55554674 |
| 10.84007215 | 0.37 | 0.085127335 | 17.34411544 |
| 10.75325525 | 0.37 | 0.085055278 | 17.2052084 |
| 10.66421886 | 0.37 | 0.084997644 | 17.06275018 |
| 10.55590457 | 0.37 | 0.084934566 | 16.88944731 |
| 10.48766647 | 0.37 | 0.084878698 | 16.78026635 |
| 10.43146967 | 0.37 | 0.084839091 | 16.69035147 |
| 10.67214338 | 0.37 | 0.084897139 | 17.07542941 |
| 11.15681573 | 0.37 | 0.085133998 | 17.85090516 |
| 11.49623097 | 0.37 | 0.08541561 | 18.39396954 |
| 11.21403524 | 0.37 | 0.085439226 | 17.94245639 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 10.76388894 | 0.37 | 0.085188702 | 17.2222223 |
| 10.53846546 | 0.37 | 0.084963131 | 16.86154474 |
| 10.41998191 | 0.37 | 0.084854834 | 16.67197106 |
| 10.37034889 | 0.37 | 0.084802558 | 16.59255822 |
| 10.34074051 | 0.37 | 0.084777409 | 16.54518482 |
| 10.28913212 | 0.37 | 0.084752256 | 16.4626114 |
| 10.24053342 | 0.37 | 0.084721668 | 16.38485347 |
| 10.18725834 | 0.37 | 0.084691075 | 16.29961334 |
| 10.15012747 | 0.37 | 0.084664098 | 16.24020396 |
| 10.14285053 | 0.37 | 0.084649793 | 16.22856085 |
| 12.02466319 | 0.37 | 0.08528574 | 19.23946111 |
| 13.64077687 | 0.37 | 0.08660268 | 21.82524299 |
| 14.58080468 | 0.37 | 0.087731682 | 23.32928749 |
| 15.22386572 | 0.37 | 0.088518827 | 24.35818516 |
| 15.28679459 | 0.37 | 0.088889947 | 24.45887134 |
| 14.39112128 | 0.37 | 0.088466032 | 23.02579405 |
| 13.07004299 | 0.37 | 0.087394304 | 20.91206878 |
| 11.73047057 | 0.37 | 0.086243921 | 18.76875291 |
| 11.85057853 | 0.37 | 0.085748746 | 18.96092564 |
| 13.95426068 | 0.37 | 0.086684259 | 22.32681709 |
| 14.67503821 | 0.37 | 0.087932047 | 23.48006114 |
| 13.29205048 | 0.37 | 0.087635306 | 21.26728076 |
| 11.77376975 | 0.37 | 0.086363029 | 18.83803161 |
| 11.56141528 | 0.37 | 0.085665087 | 18.49826445 |
| 11.7326615 | 0.37 | 0.085649073 | 18.77225839 |
| 11.63206561 | 0.37 | 0.085676252 | 18.61130498 |
| 11.29310268 | 0.37 | 0.085519789 | 18.06896429 |
| 10.94158549 | 0.37 | 0.085280229 | 17.50653679 |
| 10.75385088 | 0.37 | 0.085096319 | 17.20616141 |
| 10.68186677 | 0.37 | 0.085011603 | 17.09098683 |
| 10.60008828 | 0.37 | 0.084962991 | 16.96014124 |
| 10.4980926 | 0.37 | 0.084903516 | 16.79694816 |
| 10.43289242 | 0.37 | 0.084849446 | 16.69262787 |
| 11.38447134 | 0.37 | 0.085142268 | 18.21515414 |
| 18.58578776 | 0.37 | 0.08925902 | 29.73726041 |
| 29.66652187 | 0.37 | 0.104047215 | 47.466435 |
| 29.01393474 | 0.37 | 0.113803863 | 46.42229559 |
| 25.61997643 | 0.37 | 0.109236785 | 40.99196229 |
| 19.13796542 | 0.37 | 0.099677639 | 30.62074468 |
| 16.34267307 | 0.37 | 0.09198225 | 26.14827692 |
| 14.7095008 | 0.37 | 0.089228455 | 23.53520127 |
| 13.17984412 | 0.37 | 0.087606782 | 21.08775059 |
| 12.76158355 | 0.37 | 0.086701726 | 20.41853369 |
| 12.89155664 | 0.37 | 0.086576727 | 20.62649062 |
| 12.77327193 | 0.37 | 0.086585855 | 20.43723509 |
| 12.30091679 | 0.37 | 0.086347839 | 19.68146686 |
| 11.75401116 | 0.37 | 0.085944309 | 18.80641786 |
| 11.44222608 | 0.37 | 0.085619032 | 18.30756174 |
| 11.3795744 | 0.37 | 0.085480559 | 18.20731904 |
| 11.46744374 | 0.37 | 0.085489748 | 18.34790998 |
| 11.32795859 | 0.37 | 0.085475515 | 18.12473374 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 11.01806398 | 0.37 | 0.085320664 | 17.62890236 |
| 10.76623644 | 0.37 | 0.085129571 | 17.22597831 |
| 10.8386006 | 0.37 | 0.085066553 | 17.34176096 |
| 10.89860692 | 0.37 | 0.08511008 | 17.43777106 |
| 10.90399571 | 0.37 | 0.085133736 | 17.44639313 |
| 10.91109318 | 0.37 | 0.085137529 | 17.45774909 |
| 11.17721978 | 0.37 | 0.085229755 | 17.88355165 |
| 14.22174725 | 0.37 | 0.086581332 | 22.75479559 |
| 16.52664093 | 0.37 | 0.089090162 | 26.44262549 |
| 16.97762913 | 0.37 | 0.090617124 | 27.1642066 |
| 16.07669169 | 0.37 | 0.090355144 | 25.7227067 |
| 17.6643133 | 0.37 | 0.090790919 | 28.26290128 |
| 19.51619648 | 0.37 | 0.093074222 | 31.22591437 |
| 18.49958551 | 0.37 | 0.093641485 | 29.59933681 |
| 17.0878956 | 0.37 | 0.091972217 | 27.34063296 |
| 16.83914801 | 0.37 | 0.090879726 | 26.94263681 |
| 16.07478452 | 0.37 | 0.09026889 | 25.71965523 |
| 15.05380774 | 0.37 | 0.089251539 | 24.08609239 |
| 13.67442277 | 0.37 | 0.088011398 | 21.87907644 |
| 13.35410333 | 0.37 | 0.087181678 | 21.36656533 |
| 16.26469601 | 0.37 | 0.0885322 | 26.02351361 |
| 17.5262255 | 0.37 | 0.09081046 | 28.0419608 |
| 16.94972881 | 0.37 | 0.09122882 | 27.11956609 |
| 15.79496375 | 0.37 | 0.090182394 | 25.271942 |
| 14.4285385 | 0.37 | 0.088776715 | 23.0856616 |
| 13.26539956 | 0.37 | 0.087506581 | 21.2246393 |
| 15.80824669 | 0.37 | 0.088233143 | 25.2931947 |
| 17.58468457 | 0.37 | 0.090584225 | 28.13549532 |
| 17.68669563 | 0.37 | 0.091733225 | 28.29871301 |
| 16.84249901 | 0.37 | 0.091264633 | 26.94799842 |
| 18.2073662 | 0.37 | 0.091611424 | 29.13178592 |
| 19.67495069 | 0.37 | 0.093558358 | 31.47992111 |
| 19.21411724 | 0.37 | 0.09427723 | 30.74258758 |
| 17.84105015 | 0.37 | 0.092975582 | 28.54568024 |
| 16.63776068 | 0.37 | 0.091247814 | 26.62041709 |
| 15.38233013 | 0.37 | 0.089764021 | 24.61172821 |
| 14.20823232 | 0.37 | 0.088443319 | 22.73317172 |
| 13.22069695 | 0.37 | 0.087384242 | 21.15311512 |
| 12.45547085 | 0.37 | 0.086604586 | 19.92875336 |
| 11.93597395 | 0.37 | 0.086079764 | 19.09755833 |
| 11.59628128 | 0.37 | 0.085752956 | 18.55405005 |
| 11.38970594 | 0.37 | 0.085553377 | 18.2235295 |
| 11.26081194 | 0.37 | 0.085432861 | 18.01729911 |
| 11.22811584 | 0.37 | 0.085375364 | 17.96498534 |
| 11.22360842 | 0.37 | 0.085362925 | 17.95777347 |
| 11.10411148 | 0.37 | 0.085323434 | 17.76657836 |
| 10.91763482 | 0.37 | 0.085220786 | 17.46821571 |
| 10.79049051 | 0.37 | 0.085112659 | 17.26478481 |
| 10.89226598 | 0.37 | 0.085100201 | 17.42762556 |
| 11.17153449 | 0.37 | 0.085230347 | 17.87445518 |
| 11.08962646 | 0.37 | 0.085300897 | 17.74340234 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 10.94029085 | 0.37 | 0.085221695 | 17.50446536 |
| 10.91854336 | 0.37 | 0.085162319 | 17.46966938 |
| 10.79755487 | 0.37 | 0.085115556 | 17.2760878 |
| 10.62262574 | 0.37 | 0.085020004 | 16.99620119 |
| 10.52039922 | 0.37 | 0.08493163 | 16.83263874 |
| 10.4551463 | 0.37 | 0.084879378 | 16.72823408 |
| 10.42666085 | 0.37 | 0.084848815 | 16.68265735 |
| 10.46868465 | 0.37 | 0.084850806 | 16.74989543 |
| 10.77402116 | 0.37 | 0.084961271 | 17.23843385 |
| 12.54745024 | 0.37 | 0.085707576 | 20.07592038 |
| 12.79578889 | 0.37 | 0.086460266 | 20.47326222 |
| 11.95277296 | 0.37 | 0.08623096 | 19.12443674 |
| 11.08601544 | 0.37 | 0.085584276 | 17.7376247 |
| 10.68014265 | 0.37 | 0.085139205 | 17.08822824 |
| 10.46952638 | 0.37 | 0.084937061 | 16.75124221 |
| 10.3710813 | 0.37 | 0.084837791 | 16.59373008 |
| 10.28013801 | 0.37 | 0.08478008 | 16.44822081 |
| 10.23918385 | 0.37 | 0.084740449 | 16.38269416 |
| 10.19230192 | 0.37 | 0.084711669 | 16.30768307 |
| 10.23190964 | 0.37 | 0.084708231 | 16.37105542 |
| 10.38371503 | 0.37 | 0.084766331 | 16.61394404 |
| 10.47155411 | 0.37 | 0.084842502 | 16.75448658 |
| 10.356953 | 0.37 | 0.084835448 | 16.5711248 |
| 10.72525949 | 0.37 | 0.084913379 | 17.16041518 |
| 11.69474905 | 0.37 | 0.085366625 | 18.71159847 |
| 11.64673295 | 0.37 | 0.085685734 | 18.63477273 |
| 10.94087125 | 0.37 | 0.085422927 | 17.50539401 |
| 10.54791481 | 0.37 | 0.085049647 | 16.8766637 |
| 10.37303278 | 0.37 | 0.084867286 | 16.59685244 |
| 10.23744608 | 0.37 | 0.08477159 | 16.37991372 |
| 10.13283759 | 0.37 | 0.084697562 | 16.21254014 |
| 10.06163018 | 0.37 | 0.084643424 | 16.09860828 |
| 10.07566287 | 0.37 | 0.084625495 | 16.1210606 |
| 10.42310566 | 0.37 | 0.084734303 | 16.67696905 |
| 10.90262869 | 0.37 | 0.084994902 | 17.44420591 |
| 10.44939672 | 0.37 | 0.085005929 | 16.71903476 |
| 10.18081441 | 0.37 | 0.084776478 | 16.28930305 |
| 10.9635402 | 0.37 | 0.084939378 | 17.54166432 |
| 11.81210685 | 0.37 | 0.08548994 | 18.89937095 |
| 11.03228308 | 0.37 | 0.085517158 | 17.65165292 |
| 10.34418815 | 0.37 | 0.085019456 | 16.55070103 |
| 10.10602099 | 0.37 | 0.084724906 | 16.16963359 |
| 9.945631221 | 0.37 | 0.08460558 | 15.91300995 |
| 9.859757781 | 0.37 | 0.08453329 | 15.77561245 |
| 9.78979853 | 0.37 | 0.08448816 | 15.66367765 |
| 9.718822496 | 0.37 | 0.084448457 | 15.55011599 |
| 9.647616717 | 0.37 | 0.084408744 | 15.43618675 |
| 9.573795423 | 0.37 | 0.084369021 | 15.31807268 |
| 9.502617535 | 0.37 | 0.084329288 | 15.20418806 |
| 9.426865523 | 0.37 | 0.084289546 | 15.08298484 |
| 9.3523209 | 0.37 | 0.084249794 | 14.96371344 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 9.278192569 | 0.37 | 0.084210032 | 14.84510811 |
| 9.278283232 | 0.37 | 0.084190239 | 14.84525317 |
| 9.278809433 | 0.37 | 0.084190422 | 14.84609509 |
| 10.69269259 | 0.37 | 0.084603962 | 17.10830815 |
| 10.5793717 | 0.37 | 0.084980676 | 16.92699472 |
| 10.02613052 | 0.37 | 0.084776479 | 16.04180883 |
| 10.00408663 | 0.37 | 0.084601072 | 16.00653861 |
| 9.977298436 | 0.37 | 0.084586762 | 15.9636775 |
| 9.95439539 | 0.37 | 0.08457245 | 15.92703262 |
| 9.927159185 | 0.37 | 0.084558137 | 15.8834547 |
| 9.904292155 | 0.37 | 0.084543823 | 15.84686745 |
| 9.876762421 | 0.37 | 0.084529508 | 15.80281987 |
| 9.85427477 | 0.37 | 0.084515191 | 15.76683963 |
| 9.827795498 | 0.37 | 0.084500873 | 15.7244728 |
| 9.802239659 | 0.37 | 0.084486554 | 15.68358345 |
| 9.77673557 | 0.37 | 0.084472234 | 15.64277691 |
| 9.750768361 | 0.37 | 0.084457912 | 15.60122938 |
| 9.725620937 | 0.37 | 0.084443589 | 15.5609935 |
| 9.697979296 | 0.37 | 0.084429265 | 15.51676687 |
| 9.674347124 | 0.37 | 0.084414939 | 15.4789554 |
| 9.647629091 | 0.37 | 0.084400613 | 15.43620655 |
| 9.621969011 | 0.37 | 0.084386285 | 15.39515042 |
| 9.595548092 | 0.37 | 0.084371955 | 15.35287695 |
| 9.568440327 | 0.37 | 0.084357625 | 15.30950452 |
| 9.542772574 | 0.37 | 0.084343293 | 15.26843612 |
| 9.515370869 | 0.37 | 0.08432896 | 15.22459339 |
| 9.489133201 | 0.37 | 0.084314625 | 15.18261312 |
| 9.461443585 | 0.37 | 0.08430029 | 15.13830974 |
| 9.435442493 | 0.37 | 0.084285953 | 15.09670799 |
| 9.407841308 | 0.37 | 0.084271615 | 15.05254609 |
| 9.38040547 | 0.37 | 0.084257275 | 15.00864875 |
| 9.353266357 | 0.37 | 0.084242934 | 14.96522617 |
| 9.32588231 | 0.37 | 0.084228592 | 14.9214117 |
| 9.305937584 | 0.37 | 0.084216065 | 14.88950013 |
| 9.307402941 | 0.37 | 0.0842108 | 14.89184471 |
| 9.420997207 | 0.37 | 0.084241849 | 15.07359553 |
| 9.353543847 | 0.37 | 0.084254741 | 14.96567016 |
| 9.313810941 | 0.37 | 0.084225875 | 14.90209751 |
| 9.325285846 | 0.37 | 0.084218795 | 14.92045735 |
| 9.263932508 | 0.37 | 0.084206266 | 14.82229201 |
| 9.22149785 | 0.37 | 0.084179208 | 14.75439656 |
| 9.193642924 | 0.37 | 0.084161228 | 14.70982868 |
| 9.173068603 | 0.37 | 0.084148695 | 14.67690977 |
| 9.15908777 | 0.37 | 0.084139795 | 14.65454043 |
| 9.151666282 | 0.37 | 0.084134528 | 14.64266605 |
| 9.144844869 | 0.37 | 0.084131077 | 14.63175179 |
| 9.137877068 | 0.37 | 0.084127626 | 14.62060331 |
| 9.132313674 | 0.37 | 0.084124539 | 14.61170188 |
| 9.132720568 | 0.37 | 0.084123268 | 14.61235291 |
| 9.188144434 | 0.37 | 0.084137622 | 14.70103109 |
| 9.216659331 | 0.37 | 0.084159241 | 14.74665493 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 9.257594365 | 0.37 | 0.084177587 | 14.81215098 |
| 9.277819159 | 0.37 | 0.084194115 | 14.84451065 |
| 9.256989475 | 0.37 | 0.084194298 | 14.81118316 |
| 9.243308151 | 0.37 | 0.0841854 | 14.78929304 |
| 9.194222185 | 0.37 | 0.084169237 | 14.7107555 |
| 9.187581429 | 0.37 | 0.084154888 | 14.70013029 |
| 9.22959772 | 0.37 | 0.084164153 | 14.76735635 |
| 9.22940358 | 0.37 | 0.084175234 | 14.76704573 |
| 9.193667713 | 0.37 | 0.084166336 | 14.70986834 |
| 9.179943749 | 0.37 | 0.084153803 | 14.68791 |
| 9.151458284 | 0.37 | 0.084143087 | 14.64233325 |
| 9.128174001 | 0.37 | 0.084130008 | 14.6050784 |
| 9.115376429 | 0.37 | 0.084120925 | 14.58460229 |
| 9.104460196 | 0.37 | 0.08411493 | 14.56713631 |
| 9.101953825 | 0.37 | 0.084111479 | 14.56312612 |
| 9.10628149 | 0.37 | 0.084112207 | 14.57005038 |
| 9.09805268 | 0.37 | 0.084111481 | 14.55688429 |
| 9.090750691 | 0.37 | 0.084107667 | 14.54520111 |
| 9.089690661 | 0.37 | 0.084105669 | 14.54350506 |
| 9.136824343 | 0.37 | 0.084117481 | 14.61891895 |
| 9.181022056 | 0.37 | 0.084140919 | 14.68963529 |
| 9.257841094 | 0.37 | 0.084172345 | 14.81254575 |
| 9.305484339 | 0.37 | 0.084205218 | 14.88877494 |
| 9.228544427 | 0.37 | 0.084198137 | 14.76567108 |
| 9.172709101 | 0.37 | 0.084163812 | 14.67633456 |
| 9.145024616 | 0.37 | 0.084142197 | 14.63203939 |
| 9.1338516 | 0.37 | 0.084132206 | 14.61416256 |
| 9.181333768 | 0.37 | 0.084141472 | 14.69013403 |
| 9.222965802 | 0.37 | 0.084164543 | 14.75674528 |
| 9.354700623 | 0.37 | 0.084210129 | 14.967521 |
| 9.522871569 | 0.37 | 0.08429019 | 15.23659451 |
| 9.414453837 | 0.37 | 0.084306708 | 15.06312614 |
| 9.312174854 | 0.37 | 0.084250622 | 14.89947977 |
| 9.28473776 | 0.37 | 0.084216309 | 14.85558042 |
| 9.214769676 | 0.37 | 0.084191068 | 14.74363148 |
| 9.173163432 | 0.37 | 0.084162191 | 14.67706149 |
| 9.151734632 | 0.37 | 0.084146025 | 14.64277541 |
| 9.130729836 | 0.37 | 0.084135308 | 14.60916774 |
| 9.115765284 | 0.37 | 0.084126225 | 14.58522445 |
| 9.103622869 | 0.37 | 0.084119504 | 14.56579659 |
| 9.097312265 | 0.37 | 0.084114963 | 14.55569962 |
| 9.090642911 | 0.37 | 0.084111875 | 14.54502866 |
| 9.086969425 | 0.37 | 0.084109514 | 14.53915108 |
| 9.081614432 | 0.37 | 0.084107335 | 14.53058309 |
| 9.078101141 | 0.37 | 0.084105156 | 14.52496183 |
| 9.078402685 | 0.37 | 0.08410443 | 14.5254443 |
| 9.082313326 | 0.37 | 0.084105704 | 14.53170132 |
| 9.081777279 | 0.37 | 0.084106795 | 14.53084365 |
| 9.084191063 | 0.37 | 0.084107341 | 14.5347057 |
| 9.103152915 | 0.37 | 0.084112975 | 14.56504466 |
| 9.103132641 | 0.37 | 0.084118064 | 14.56501222 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 9.090719741 | 0.37 | 0.084115158 | 14.54515159 |
| 9.08161636 | 0.37 | 0.08410989 | 14.53058618 |
| 9.075224805 | 0.37 | 0.084106076 | 14.52035969 |
| 9.072421824 | 0.37 | 0.084103914 | 14.51587492 |
| 9.072317425 | 0.37 | 0.084103352 | 14.51570788 |
| 9.073087057 | 0.37 | 0.084103626 | 14.51693929 |
| 9.083186059 | 0.37 | 0.084106553 | 14.53309769 |
| 9.144481693 | 0.37 | 0.084125159 | 14.63117071 |
| 9.093690071 | 0.37 | 0.084128068 | 14.54990411 |
| 9.088440159 | 0.37 | 0.084113716 | 14.54150426 |
| 9.107382781 | 0.37 | 0.084117351 | 14.57181245 |
| 9.100196864 | 0.37 | 0.084120622 | 14.56031498 |
| 9.090178137 | 0.37 | 0.084116445 | 14.54428502 |
| 9.082452476 | 0.37 | 0.084112085 | 14.53192396 |
| 9.195046863 | 0.37 | 0.084138975 | 14.71207498 |
| 9.228831777 | 0.37 | 0.084176941 | 14.76613084 |
| 9.193937251 | 0.37 | 0.084177124 | 14.7102996 |
| 9.137481504 | 0.37 | 0.084153693 | 14.61997041 |
| 9.112286364 | 0.37 | 0.084132803 | 14.57965818 |
| 9.096629071 | 0.37 | 0.084122449 | 14.55460651 |
| 9.09121277 | 0.37 | 0.084117181 | 14.54594043 |
| 9.166397346 | 0.37 | 0.084135169 | 14.66623575 |
| 9.165961445 | 0.37 | 0.084154608 | 14.66553831 |
| 9.114784569 | 0.37 | 0.084141711 | 14.58365531 |
| 9.095133763 | 0.37 | 0.084123727 | 14.55221402 |
| 9.082295901 | 0.37 | 0.084115552 | 14.53167344 |
| 9.075635706 | 0.37 | 0.084110829 | 14.52101713 |
| 9.072540882 | 0.37 | 0.084108505 | 14.51606541 |
| 9.072872698 | 0.37 | 0.084107906 | 14.51659632 |
| 9.07303638 | 0.37 | 0.08410818 | 14.51685821 |
| 9.075044934 | 0.37 | 0.084108962 | 14.5200719 |
| 9.073058722 | 0.37 | 0.084109273 | 14.51689396 |
| 9.069801506 | 0.37 | 0.084108093 | 14.51168241 |
| 9.069356605 | 0.37 | 0.084107258 | 14.51097057 |
| 9.069357189 | 0.37 | 0.084107314 | 14.5109715 |
| 9.069379382 | 0.37 | 0.084107497 | 14.51100701 |
| 9.069722692 | 0.37 | 0.084107771 | 14.51155631 |
| 9.06978781 | 0.37 | 0.084108062 | 14.5116605 |
| 9.069787726 | 0.37 | 0.084108264 | 14.51166036 |
| 9.069784104 | 0.37 | 0.084108446 | 14.51165457 |
| 9.069723177 | 0.37 | 0.084108611 | 14.51155708 |
| 9.069777809 | 0.37 | 0.084108794 | 14.51164449 |
| 9.069564292 | 0.37 | 0.084108941 | 14.51130287 |
| 9.06950062 | 0.37 | 0.084109051 | 14.51120099 |
| 9.069514533 | 0.37 | 0.084109216 | 14.51122325 |
| 9.069641536 | 0.37 | 0.084109435 | 14.51142646 |
| 9.069588071 | 0.37 | 0.084109636 | 14.51134091 |
| 9.069707039 | 0.37 | 0.084109837 | 14.51153126 |
| 9.069485408 | 0.37 | 0.084110002 | 14.51117665 |
| 9.069365557 | 0.37 | 0.084110094 | 14.51098489 |
| 9.069579532 | 0.37 | 0.084110295 | 14.51132725 |

| Run Velocity (cm/s) | ZMean (Dynamic) (m) | Tau: Bed Shear (kg/sq.m) | Riffle Velocity (cm/s) |
|---------------------|---------------------|--------------------------|------------------------|
| 9.069646587 | 0.37 | 0.084110551 | 14.51143454 |
| 9.069716051 | 0.37 | 0.08411077 | 14.51154568 |
| 9.069718524 | 0.37 | 0.084110971 | 14.51154964 |
| 9.069773448 | 0.37 | 0.084111172 | 14.51163752 |
| 9.069845831 | 0.37 | 0.084111337 | 14.51175333 |
| 9.076274961 | 0.37 | 0.084113264 | 14.52203994 |
| 9.070109098 | 0.37 | 0.084113592 | 14.51217456 |
| 9.069569009 | 0.37 | 0.084111976 | 14.51131041 |
| 9.069500615 | 0.37 | 0.084111975 | 14.51120098 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.99753969 | 0.37 | 10.83381 | 0.150014 | 0.775202429 |
| 3.998476553 | 0.37 | 9.981295216 | 0.823092601 | 8.933725425 |
| 4.050013699 | 0.37 | 9.836864717 | 0.923904598 | 10.36327811 |
| 5.621863706 | 0.37 | 9.240637081 | 1.47231778 | 17.97246462 |
| 8.789714075 | 0.37 | 8.845701417 | 1.805178492 | 22.59156382 |
| 10.16500518 | 0.37 | 8.795708615 | 1.85898962 | 23.34259889 |
| 7.964254305 | 0.37 | 8.951134855 | 1.783049748 | 22.30300695 |
| 7.287179812 | 0.37 | 8.973319113 | 1.725293167 | 21.55245588 |
| 7.099244337 | 0.37 | 8.9790542 | 1.704617999 | 21.28488015 |
| 6.568460366 | 0.37 | 9.03980598 | 1.650011592 | 20.55415951 |
| 6.251892501 | 0.37 | 9.076173758 | 1.605425063 | 19.96289372 |
| 7.117277792 | 0.37 | 8.9576343 | 1.697846644 | 21.20567803 |
| 10.7013558 | 0.37 | 8.757621045 | 1.864808415 | 23.45683244 |
| 10.41726876 | 0.37 | 8.809192639 | 1.870241431 | 23.50949117 |
| 8.0111865 | 0.37 | 8.948069472 | 1.785775751 | 22.3524321 |
| 6.684789177 | 0.37 | 9.040660767 | 1.669377564 | 20.8039223 |
| 6.120321388 | 0.37 | 9.097455388 | 1.588183276 | 19.73011472 |
| 5.606054133 | 0.37 | 9.180050901 | 1.493771635 | 18.47822979 |
| 4.923601371 | 0.37 | 9.329966187 | 1.316835867 | 16.14496339 |
| 4.080543799 | 0.37 | 9.591020324 | 0.946121378 | 11.32067295 |
| 3.786973752 | 0.37 | 9.705495098 | 0.706876589 | 8.264032656 |
| 3.681063184 | 0.37 | 9.746718108 | 0.595410977 | 6.855886467 |
| 3.623119145 | 0.37 | 9.769011825 | 0.533021298 | 6.069802126 |
| 3.593213239 | 0.37 | 9.780218646 | 0.49762784 | 5.625360836 |
| 3.600543826 | 0.37 | 9.776318759 | 0.498221823 | 5.635240933 |
| 3.606034397 | 0.37 | 9.772613306 | 0.505050093 | 5.721151485 |
| 3.600515524 | 0.37 | 9.773586295 | 0.502471109 | 5.687858055 |
| 3.576814159 | 0.37 | 9.78275802 | 0.480330438 | 5.407538588 |
| 3.565625093 | 0.37 | 9.786182124 | 0.466297956 | 5.231919106 |
| 3.53818465 | 0.37 | 9.796161175 | 0.439825516 | 4.897999807 |
| 3.485003144 | 0.37 | 9.81607244 | 0.385542875 | 4.215123513 |
| 3.446712656 | 0.37 | 9.828864624 | 0.339121237 | 3.635720584 |
| 3.418374219 | 0.37 | 9.838106685 | 0.302929224 | 3.184800708 |
| 3.396523075 | 0.37 | 9.844541035 | 0.274614063 | 2.832715365 |
| 3.38241873 | 0.37 | 9.848328342 | 0.254640052 | 2.584918428 |
| 3.578260369 | 0.37 | 9.772003519 | 0.441701836 | 4.940832655 |
| 3.625341538 | 0.37 | 9.755120169 | 0.518410777 | 5.890542645 |
| 3.488631844 | 0.37 | 9.809300485 | 0.404711989 | 4.447770153 |
| 3.43248676 | 0.37 | 9.828488154 | 0.325825613 | 3.466965957 |
| 3.394085337 | 0.37 | 9.84004269 | 0.275069548 | 2.836084299 |
| 3.369845348 | 0.37 | 9.846830661 | 0.241097564 | 2.415104436 |
| 3.352608738 | 0.37 | 9.851205781 | 0.21708671 | 2.117812195 |
| 3.352988961 | 0.37 | 9.849417303 | 0.21291535 | 2.068125406 |
| 3.362623184 | 0.37 | 9.844605519 | 0.223428569 | 2.199726072 |
| 3.367569115 | 0.37 | 9.842270773 | 0.230971064 | 2.292619656 |
| 3.372010908 | 0.37 | 9.839748997 | 0.237332824 | 2.371493625 |
| 3.35972778 | 0.37 | 9.843523152 | 0.225497892 | 2.222521767 |
| 3.339958616 | 0.37 | 9.849251546 | 0.201287541 | 1.92134477 |
| 3.327285038 | 0.37 | 9.851796365 | 0.182848661 | 1.693839683 |
| 3.317528824 | 0.37 | 9.853671452 | 0.16859663 | 1.517762785 |
| 3.307306608 | 0.37 | 9.855590825 | 0.15479462 | 1.347119525 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.302334804 | 0.37 | 9.855773971 | 0.146516993 | 1.245518287 |
| 3.297074501 | 0.37 | 9.856150456 | 0.139489947 | 1.158792662 |
| 3.292068998 | 0.37 | 9.856625221 | 0.132362721 | 1.070774402 |
| 3.287996743 | 0.37 | 9.856690376 | 0.126363122 | 0.996904155 |
| 3.285534111 | 0.37 | 9.856266897 | 0.122340944 | 0.947534699 |
| 3.284101622 | 0.37 | 9.85563721 | 0.11988004 | 0.917348921 |
| 3.284478855 | 0.37 | 9.854461526 | 0.119718548 | 0.915631969 |
| 3.286917267 | 0.37 | 9.852512425 | 0.122961714 | 0.956009788 |
| 3.283271626 | 0.37 | 9.853033383 | 0.119400162 | 0.9111666 |
| 3.282041301 | 0.37 | 9.85227512 | 0.116878716 | 0.880461421 |
| 3.282285388 | 0.37 | 9.851127944 | 0.116784983 | 0.879546997 |
| 3.28270436 | 0.37 | 9.850002473 | 0.117422487 | 0.887459227 |
| 3.281306898 | 0.37 | 9.849524664 | 0.11613026 | 0.871329395 |
| 3.280188354 | 0.37 | 9.84896061 | 0.114322079 | 0.849079509 |
| 3.279974869 | 0.37 | 9.84805912 | 0.113636357 | 0.840781049 |
| 3.280856954 | 0.37 | 9.846898262 | 0.114406806 | 0.850425322 |
| 3.284339947 | 0.37 | 9.84485548 | 0.118686564 | 0.903599054 |
| 3.289450433 | 0.37 | 9.842464273 | 0.125765194 | 0.991101411 |
| 3.287121053 | 0.37 | 9.842823772 | 0.124370845 | 0.972809578 |
| 3.287119045 | 0.37 | 9.841854881 | 0.123633195 | 0.96405241 |
| 3.286729212 | 0.37 | 9.841049426 | 0.123333202 | 0.960344753 |
| 3.283460383 | 0.37 | 9.841277889 | 0.119491647 | 0.912589323 |
| 3.280913299 | 0.37 | 9.841029207 | 0.115655885 | 0.865485385 |
| 3.279652144 | 0.37 | 9.840394073 | 0.113475303 | 0.838868974 |
| 3.279427216 | 0.37 | 9.839534559 | 0.112827246 | 0.831109422 |
| 3.27918175 | 0.37 | 9.83875099 | 0.11243472 | 0.826273754 |
| 3.279182055 | 0.37 | 9.837912055 | 0.112348829 | 0.825280723 |
| 3.279182055 | 0.37 | 9.83710785 | 0.112338227 | 0.825179205 |
| 3.279182055 | 0.37 | 9.836290534 | 0.112328623 | 0.825088243 |
| 3.279182055 | 0.37 | 9.835497322 | 0.112319051 | 0.824999223 |
| 3.279242852 | 0.37 | 9.834693498 | 0.112309504 | 0.824908929 |
| 3.283855625 | 0.37 | 9.832484253 | 0.117535491 | 0.889896948 |
| 3.317645955 | 0.37 | 9.821292691 | 0.156982154 | 1.380022521 |
| 3.459227431 | 0.37 | 9.782192902 | 0.316343141 | 3.36590284 |
| 3.427879411 | 0.37 | 9.796866358 | 0.315063608 | 3.32924714 |
| 3.342512801 | 0.37 | 9.822706214 | 0.219535465 | 2.137180562 |
| 3.320169893 | 0.37 | 9.823940111 | 0.175149847 | 1.59592613 |
| 3.389787795 | 0.37 | 9.798191354 | 0.244288581 | 2.46250155 |
| 3.397235537 | 0.37 | 9.797992868 | 0.267522204 | 2.74218711 |
| 3.399936001 | 0.37 | 9.796944824 | 0.271643733 | 2.792375245 |
| 3.492908408 | 0.37 | 9.764678222 | 0.36501334 | 3.96246184 |
| 3.528228686 | 0.37 | 9.754101563 | 0.417632509 | 4.612322875 |
| 3.46369254 | 0.37 | 9.777794231 | 0.363017518 | 3.920898603 |
| 3.454223149 | 0.37 | 9.780438059 | 0.341330664 | 3.656734152 |
| 3.420478391 | 0.37 | 9.792958641 | 0.306097229 | 3.216870248 |
| 3.408837055 | 0.37 | 9.797522347 | 0.286928399 | 2.981783541 |
| 3.379421167 | 0.37 | 9.808699712 | 0.254078257 | 2.572944197 |
| 3.339936557 | 0.37 | 9.822627859 | 0.205355839 | 1.968775087 |
| 3.317236688 | 0.37 | 9.829799979 | 0.171212416 | 1.549459782 |
| 3.302216145 | 0.37 | 9.835410129 | 0.148709005 | 1.273193216 |
| 3.294506528 | 0.37 | 9.839099331 | 0.13616618 | 1.119977554 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.289229692 | 0.37 | 9.842690786 | 0.127766948 | 1.01705827 |
| 3.297507058 | 0.37 | 9.841947146 | 0.135429885 | 1.1138393 |
| 3.304874817 | 0.37 | 9.842310771 | 0.146115929 | 1.24591061 |
| 3.297523649 | 0.37 | 9.847842979 | 0.139638037 | 1.164183146 |
| 3.310070541 | 0.37 | 9.845589454 | 0.151774648 | 1.317105452 |
| 3.317313243 | 0.37 | 9.846136558 | 0.163496529 | 1.461611916 |
| 3.3099314 | 0.37 | 9.851825485 | 0.157091911 | 1.380765907 |
| 3.294572702 | 0.37 | 9.85928426 | 0.13804461 | 1.144741954 |
| 3.28565911 | 0.37 | 9.864163973 | 0.123963939 | 0.972060634 |
| 3.282245842 | 0.37 | 9.867611967 | 0.117443387 | 0.892617959 |
| 3.28010154 | 0.37 | 9.870802693 | 0.114111581 | 0.852022888 |
| 3.279694709 | 0.37 | 9.873676192 | 0.112943149 | 0.838075094 |
| 3.279695303 | 0.37 | 9.876596672 | 0.112770803 | 0.836258972 |
| 3.279674919 | 0.37 | 9.87957099 | 0.112763514 | 0.836421691 |
| 3.279438388 | 0.37 | 9.882609899 | 0.112469342 | 0.833000901 |
| 3.279418117 | 0.37 | 9.88562886 | 0.112386697 | 0.832256977 |
| 3.279171388 | 0.37 | 9.888775436 | 0.112092285 | 0.828830524 |
| 3.278925096 | 0.37 | 9.891978758 | 0.111719769 | 0.824465827 |
| 3.278921203 | 0.37 | 9.895066459 | 0.111638849 | 0.823736076 |
| 3.278618588 | 0.37 | 9.898326789 | 0.111346595 | 0.820333882 |
| 3.278417197 | 0.37 | 9.901606492 | 0.110978851 | 0.816011947 |
| 3.278630696 | 0.37 | 9.904813016 | 0.11119316 | 0.818857252 |
| 3.278424206 | 0.37 | 9.908168921 | 0.11097318 | 0.816311035 |
| 3.27864131 | 0.37 | 9.916225578 | 0.11117656 | 0.819372066 |
| 3.278411663 | 0.37 | 9.925714371 | 0.110955171 | 0.817101656 |
| 3.278429523 | 0.37 | 9.935475683 | 0.110870143 | 0.816606849 |
| 3.278650257 | 0.37 | 9.945267322 | 0.111151967 | 0.82065368 |
| 3.278432525 | 0.37 | 9.955481114 | 0.110929342 | 0.818344965 |
| 3.278654854 | 0.37 | 9.965608069 | 0.111136734 | 0.821484387 |
| 3.278411673 | 0.37 | 9.976216676 | 0.110914565 | 0.819169256 |
| 3.27839695 | 0.37 | 9.986677578 | 0.11083489 | 0.818698112 |
| 3.278171855 | 0.37 | 9.997781194 | 0.110535001 | 0.815435516 |
| 3.279017234 | 0.37 | 10.00823532 | 0.111331596 | 0.825939216 |
| 3.305056461 | 0.37 | 10.00625049 | 0.141043681 | 1.199045173 |
| 3.607432098 | 0.37 | 9.864971138 | 0.452086289 | 5.120544309 |
| 3.69939238 | 0.37 | 9.822521705 | 0.581650019 | 6.742351891 |
| 3.935392044 | 0.37 | 9.715855444 | 0.766894709 | 9.108463005 |
| 4.079334121 | 0.37 | 9.651358608 | 0.881049318 | 10.56918536 |
| 4.472097877 | 0.37 | 9.49549381 | 1.093834485 | 13.3208602 |
| 5.223643311 | 0.37 | 9.264321512 | 1.370872573 | 16.9335205 |
| 5.665446193 | 0.37 | 9.166524046 | 1.49039728 | 18.50068106 |
| 5.538569964 | 0.37 | 9.202163592 | 1.472657868 | 18.26437289 |
| 5.142689409 | 0.37 | 9.297997277 | 1.377064054 | 17.00990321 |
| 4.470639472 | 0.37 | 9.508735714 | 1.141380404 | 13.93582431 |
| 4.049184467 | 0.37 | 9.687947471 | 0.90481834 | 10.88232607 |
| 3.974297588 | 0.37 | 9.732879993 | 0.83079916 | 9.940382864 |
| 3.816512865 | 0.37 | 9.819499833 | 0.71820114 | 8.49831454 |
| 3.687395665 | 0.37 | 9.901789677 | 0.60357616 | 7.038555233 |
| 3.631163434 | 0.37 | 9.94593155 | 0.540421017 | 6.240119023 |
| 3.557823072 | 0.37 | 9.999608791 | 0.468388539 | 5.327598487 |
| 3.486452163 | 0.37 | 10.05615061 | 0.390520565 | 4.34437105 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.439289456 | 0.37 | 10.0996465 | 0.331676022 | 3.60451977 |
| 3.404527847 | 0.37 | 10.13592823 | 0.285795867 | 3.028278042 |
| 3.504606574 | 0.37 | 10.07640454 | 0.376528531 | 4.186226488 |
| 3.894695603 | 0.37 | 9.836480079 | 0.713970452 | 8.493774086 |
| 4.381013245 | 0.37 | 9.583216968 | 1.038986186 | 12.67298879 |
| 6.273958149 | 0.37 | 9.066446404 | 1.577778804 | 19.70221616 |
| 7.051925192 | 0.37 | 8.970673641 | 1.691322644 | 21.19117161 |
| 7.009219896 | 0.37 | 8.990856895 | 1.694116863 | 21.22541657 |
| 6.640330895 | 0.37 | 9.040286026 | 1.657112641 | 20.73845031 |
| 6.30817549 | 0.37 | 9.083944777 | 1.613594381 | 20.16920285 |
| 5.998668924 | 0.37 | 9.132750633 | 1.565436878 | 19.54015563 |
| 5.777512366 | 0.37 | 9.171858021 | 1.523867617 | 18.99902569 |
| 6.185050095 | 0.37 | 9.088896564 | 1.586122662 | 19.82170662 |
| 8.477397558 | 0.37 | 8.849741848 | 1.78761158 | 22.47799378 |
| 17.38492339 | 0.37 | 8.705573608 | 1.908412858 | 24.07516051 |
| 17.41576706 | 0.37 | 8.747063881 | 1.918921476 | 24.20367641 |
| 11.14975372 | 0.37 | 8.828528873 | 1.894668007 | 23.87414281 |
| 9.291622156 | 0.37 | 8.877618109 | 1.843506692 | 23.2028264 |
| 7.246132471 | 0.37 | 9.010820908 | 1.729454777 | 21.70294782 |
| 6.326486951 | 0.37 | 9.096369703 | 1.621746444 | 20.29921109 |
| 5.719595031 | 0.37 | 9.193950435 | 1.51802636 | 18.94750942 |
| 4.947596204 | 0.37 | 9.390323437 | 1.325997124 | 16.44713449 |
| 4.374159685 | 0.37 | 9.606677031 | 1.092540067 | 13.42213104 |
| 5.158106045 | 0.37 | 9.320465722 | 1.350190268 | 16.77833741 |
| 5.689736006 | 0.37 | 9.182843904 | 1.493460198 | 18.64472344 |
| 6.072464825 | 0.37 | 9.111031781 | 1.568418532 | 19.62427128 |
| 6.010021721 | 0.37 | 9.130893399 | 1.564130815 | 19.568545 |
| 5.991738141 | 0.37 | 9.134158091 | 1.560090134 | 19.51846728 |
| 6.262639391 | 0.37 | 9.082634248 | 1.599614981 | 20.03785691 |
| 6.554312012 | 0.37 | 9.040402124 | 1.639438937 | 20.55970992 |
| 17.7688969 | 0.37 | 8.696217193 | 1.908834844 | 24.09212235 |
| 21.05041551 | 0.37 | 8.700823296 | 1.933292864 | 24.40788492 |
| 10.51857904 | 0.37 | 8.902401015 | 1.895079905 | 23.88397484 |
| 7.212982665 | 0.37 | 9.043802295 | 1.734517086 | 21.79219062 |
| 6.30771585 | 0.37 | 9.102819248 | 1.619013843 | 20.296959 |
| 5.753773716 | 0.37 | 9.191091487 | 1.523939377 | 19.06183468 |
| 5.129663608 | 0.37 | 9.341298421 | 1.377642901 | 17.16149985 |
| 4.475347017 | 0.37 | 9.574022666 | 1.143142269 | 14.12209174 |
| 4.133043299 | 0.37 | 9.747462853 | 0.952074415 | 11.6540834 |
| 4.014928183 | 0.37 | 9.822702806 | 0.862102625 | 10.49589599 |
| 3.949998016 | 0.37 | 9.867872335 | 0.810631121 | 9.83412897 |
| 3.902425974 | 0.37 | 9.900856918 | 0.773663411 | 9.359455165 |
| 3.871171889 | 0.37 | 9.924499542 | 0.747430038 | 9.023100431 |
| 3.839118791 | 0.37 | 9.947979535 | 0.721738873 | 8.693619125 |
| 3.800125644 | 0.37 | 9.976429577 | 0.690435829 | 8.291765755 |
| 3.775559929 | 0.37 | 9.996474738 | 0.667716955 | 8.000719998 |
| 3.75532908 | 0.37 | 10.01297064 | 0.649108048 | 7.762512352 |
| 3.841971616 | 0.37 | 9.954077187 | 0.709739872 | 8.546500958 |
| 4.016453661 | 0.37 | 9.837013892 | 0.835040668 | 10.16474036 |
| 4.138643148 | 0.37 | 9.75720258 | 0.923671219 | 11.3100118 |
| 4.037052687 | 0.37 | 9.811130787 | 0.876136295 | 10.69589303 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.875000017 | 0.37 | 9.917951737 | 0.763363291 | 9.241165977 |
| 3.793847567 | 0.37 | 9.981352574 | 0.689907837 | 8.295914686 |
| 3.751193487 | 0.37 | 10.01551533 | 0.649912265 | 7.782007079 |
| 3.7333256 | 0.37 | 10.03257465 | 0.630296538 | 7.530636116 |
| 3.722666584 | 0.37 | 10.04235952 | 0.619607055 | 7.394119623 |
| 3.704087564 | 0.37 | 10.05820939 | 0.603156282 | 7.183118089 |
| 3.68659203 | 0.37 | 10.0734845 | 0.586996603 | 6.975969177 |
| 3.667413002 | 0.37 | 10.09071468 | 0.568857776 | 6.743203061 |
| 3.65404589 | 0.37 | 10.10341438 | 0.555446519 | 6.571454717 |
| 3.651426192 | 0.37 | 10.10914459 | 0.549940471 | 6.501556963 |
| 4.328878749 | 0.37 | 9.683034816 | 0.993238757 | 12.22866894 |
| 4.910679672 | 0.37 | 9.412305669 | 1.273098021 | 15.84869951 |
| 5.249089686 | 0.37 | 9.300876409 | 1.389541809 | 17.35657325 |
| 5.480591661 | 0.37 | 9.23990522 | 1.452153005 | 18.16806392 |
| 5.503246052 | 0.37 | 9.2373375 | 1.461735574 | 18.29194453 |
| 5.180803661 | 0.37 | 9.327605522 | 1.3869213 | 17.32157248 |
| 4.705215476 | 0.37 | 9.487488273 | 1.233525774 | 15.33478186 |
| 4.222969406 | 0.37 | 9.708030257 | 1.009290678 | 12.43416505 |
| 4.26620827 | 0.37 | 9.695125183 | 1.004349332 | 12.37287738 |
| 5.023533846 | 0.37 | 9.377162731 | 1.306610534 | 16.28639865 |
| 5.283013756 | 0.37 | 9.290920265 | 1.401730402 | 17.51734667 |
| 4.785138171 | 0.37 | 9.457059657 | 1.264180443 | 15.73376205 |
| 4.238557111 | 0.37 | 9.698074004 | 1.02292201 | 12.61239867 |
| 4.162109502 | 0.37 | 9.752221456 | 0.952408374 | 11.70288694 |
| 4.223758139 | 0.37 | 9.71806728 | 0.980590873 | 12.06847663 |
| 4.187543621 | 0.37 | 9.736787231 | 0.965618836 | 11.87480579 |
| 4.065516965 | 0.37 | 9.807009863 | 0.896186683 | 10.97752108 |
| 3.938970778 | 0.37 | 9.890654846 | 0.808850898 | 9.849515295 |
| 3.871386318 | 0.37 | 9.942421524 | 0.75123386 | 9.10620419 |
| 3.845472037 | 0.37 | 9.962674425 | 0.727485285 | 8.800324391 |
| 3.816031779 | 0.37 | 9.985663322 | 0.703243017 | 8.487666132 |
| 3.779313335 | 0.37 | 10.0147818 | 0.672722195 | 8.093963771 |
| 3.755841271 | 0.37 | 10.03593593 | 0.649574838 | 7.795639624 |
| 4.098409682 | 0.37 | 9.812768317 | 0.87550237 | 10.71538758 |
| 6.690883592 | 0.37 | 9.02144278 | 1.627428763 | 20.45042605 |
| 10.67994787 | 0.37 | 8.757601004 | 1.863127951 | 23.50823252 |
| 10.44501651 | 0.37 | 8.810458864 | 1.870813085 | 23.60311845 |
| 9.223191516 | 0.37 | 8.87163142 | 1.838420885 | 23.18081979 |
| 6.889667553 | 0.37 | 9.059283875 | 1.698597173 | 21.36406009 |
| 5.883362306 | 0.37 | 9.180798732 | 1.553331143 | 19.4839847 |
| 5.295420286 | 0.37 | 9.303886127 | 1.422400102 | 17.78910441 |
| 4.744743882 | 0.37 | 9.478314323 | 1.251046774 | 15.57094896 |
| 4.594170079 | 0.37 | 9.539988539 | 1.177607606 | 14.62206667 |
| 4.64096039 | 0.37 | 9.518108928 | 1.189572483 | 14.77725714 |
| 4.598377896 | 0.37 | 9.534420443 | 1.176354765 | 14.60534007 |
| 4.428330044 | 0.37 | 9.610926657 | 1.10422447 | 13.67111787 |
| 4.231444018 | 0.37 | 9.712471202 | 1.001214198 | 12.33834184 |
| 4.11920139 | 0.37 | 9.779095047 | 0.928720316 | 11.4011065 |
| 4.096646784 | 0.37 | 9.796771481 | 0.906103055 | 11.10860009 |
| 4.128279746 | 0.37 | 9.775925329 | 0.923537771 | 11.33370457 |
| 4.078065092 | 0.37 | 9.802775823 | 0.898312352 | 11.00667482 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.966503032 | 0.37 | 9.872609341 | 0.826975829 | 10.08408328 |
| 3.87584512 | 0.37 | 9.937324329 | 0.756678725 | 9.175700805 |
| 3.901896217 | 0.37 | 9.925514593 | 0.76322207 | 9.260334341 |
| 3.92349849 | 0.37 | 9.907081027 | 0.781316327 | 9.49340799 |
| 3.925438454 | 0.37 | 9.903792216 | 0.785112829 | 9.541670582 |
| 3.927993545 | 0.37 | 9.901805084 | 0.786616114 | 9.560426457 |
| 4.023799122 | 0.37 | 9.840322251 | 0.847893083 | 10.35166121 |
| 5.119829009 | 0.37 | 9.351277186 | 1.325069305 | 16.52533443 |
| 5.949590734 | 0.37 | 9.133379807 | 1.539954504 | 19.30839953 |
| 6.111946485 | 0.37 | 9.110485923 | 1.577635014 | 19.79496561 |
| 5.787609008 | 0.37 | 9.182582469 | 1.527268869 | 19.13946331 |
| 6.359152788 | 0.37 | 9.066403134 | 1.610282435 | 20.21842839 |
| 7.025830732 | 0.37 | 8.980147777 | 1.689722212 | 21.24926841 |
| 6.659850783 | 0.37 | 9.044475862 | 1.659240972 | 20.85021731 |
| 6.151642415 | 0.37 | 9.119732854 | 1.592172867 | 19.97875306 |
| 6.062093283 | 0.37 | 9.12711827 | 1.573231381 | 19.73353474 |
| 5.786922426 | 0.37 | 9.181112349 | 1.526717737 | 19.128896 |
| 5.419370788 | 0.37 | 9.264323828 | 1.44925704 | 18.1231892 |
| 4.922792199 | 0.37 | 9.407760495 | 1.312171281 | 16.3451099 |
| 4.807477199 | 0.37 | 9.447165329 | 1.260404844 | 15.67496457 |
| 5.855290563 | 0.37 | 9.153855853 | 1.518226015 | 19.01999126 |
| 6.309441179 | 0.37 | 9.073228777 | 1.6044083 | 20.13667517 |
| 6.101902371 | 0.37 | 9.121635084 | 1.581094639 | 19.83107731 |
| 5.686186951 | 0.37 | 9.203178245 | 1.508816562 | 18.89072235 |
| 5.194273859 | 0.37 | 9.323317817 | 1.393602019 | 17.39400484 |
| 4.775543843 | 0.37 | 9.456632918 | 1.258193813 | 15.63718918 |
| 5.690968807 | 0.37 | 9.188958225 | 1.486403331 | 18.59931552 |
| 6.330486446 | 0.37 | 9.068629533 | 1.60529283 | 20.14138328 |
| 6.367210427 | 0.37 | 9.072669705 | 1.617360884 | 20.29493566 |
| 6.063299644 | 0.37 | 9.130101243 | 1.575654054 | 19.74976548 |
| 6.554651833 | 0.37 | 9.038379085 | 1.637463408 | 20.55492562 |
| 7.082982249 | 0.37 | 8.97421286 | 1.696228628 | 21.31855736 |
| 6.917082205 | 0.37 | 9.008846683 | 1.686058925 | 21.18220264 |
| 6.422778055 | 0.37 | 9.077440065 | 1.630701794 | 20.4586106 |
| 5.989593846 | 0.37 | 9.145082512 | 1.565231322 | 19.60493458 |
| 5.537638847 | 0.37 | 9.236174385 | 1.477858381 | 18.46642667 |
| 5.114963636 | 0.37 | 9.343221453 | 1.370303885 | 17.06683504 |
| 4.759450902 | 0.37 | 9.459602297 | 1.250924878 | 15.51535857 |
| 4.483969507 | 0.37 | 9.569811567 | 1.133773334 | 13.99507478 |
| 4.296950624 | 0.37 | 9.658012204 | 1.036660971 | 12.73620886 |
| 4.174661262 | 0.37 | 9.721888961 | 0.964599884 | 11.80249146 |
| 4.100294137 | 0.37 | 9.764221912 | 0.914608425 | 11.15450502 |
| 4.053892299 | 0.37 | 9.790826161 | 0.882096676 | 10.73250809 |
| 4.042121701 | 0.37 | 9.798120732 | 0.870605791 | 10.58185089 |
| 4.04049903 | 0.37 | 9.796736897 | 0.869358441 | 10.5629907 |
| 3.997480131 | 0.37 | 9.819156321 | 0.844202145 | 10.23504407 |
| 3.930348535 | 0.37 | 9.859196865 | 0.797807822 | 9.633954346 |
| 3.884576582 | 0.37 | 9.890342793 | 0.758627364 | 9.12690207 |
| 3.921215752 | 0.37 | 9.867871181 | 0.77728644 | 9.365476756 |
| 4.021752416 | 0.37 | 9.802187765 | 0.847094199 | 10.26222266 |
| 3.992265526 | 0.37 | 9.812534748 | 0.839038536 | 10.153188 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.938504706 | 0.37 | 9.845368333 | 0.80105419 | 9.661150288 |
| 3.930675611 | 0.37 | 9.850469595 | 0.790653775 | 9.525877657 |
| 3.887119754 | 0.37 | 9.874880939 | 0.761040458 | 9.142092083 |
| 3.824145268 | 0.37 | 9.913964767 | 0.713319552 | 8.526189056 |
| 3.787343717 | 0.37 | 9.938499732 | 0.679773044 | 8.093800347 |
| 3.763852668 | 0.37 | 9.952560715 | 0.658564495 | 7.820031833 |
| 3.753597905 | 0.37 | 9.959682224 | 0.646325008 | 7.661229333 |
| 3.768726472 | 0.37 | 9.94843412 | 0.655492984 | 7.77719982 |
| 3.878647617 | 0.37 | 9.8764873 | 0.736782732 | 8.819983723 |
| 4.517082085 | 0.37 | 9.547645031 | 1.100695228 | 13.51535058 |
| 4.606484001 | 0.37 | 9.496410954 | 1.173097644 | 14.44355984 |
| 4.302998266 | 0.37 | 9.624721118 | 1.045786235 | 12.78776774 |
| 3.990965557 | 0.37 | 9.784676855 | 0.859286904 | 10.37751291 |
| 3.844851355 | 0.37 | 9.875272293 | 0.739524753 | 8.837512544 |
| 3.769029497 | 0.37 | 9.926344259 | 0.668512386 | 7.925893951 |
| 3.733589267 | 0.37 | 9.949739902 | 0.632328227 | 7.461589487 |
| 3.700849682 | 0.37 | 9.969104461 | 0.602965991 | 7.084062769 |
| 3.686106186 | 0.37 | 9.977791641 | 0.586722835 | 6.874912559 |
| 3.669228691 | 0.37 | 9.988455251 | 0.568821601 | 6.64397557 |
| 3.683487469 | 0.37 | 9.976679449 | 0.578097895 | 6.76157628 |
| 3.738137409 | 0.37 | 9.939034558 | 0.622420043 | 7.326857088 |
| 3.76975948 | 0.37 | 9.911613567 | 0.656459538 | 7.759196715 |
| 3.72850308 | 0.37 | 9.934696783 | 0.627668298 | 7.386267811 |
| 3.861093415 | 0.37 | 9.855030719 | 0.719617814 | 8.565702261 |
| 4.210109656 | 0.37 | 9.662964297 | 0.950551395 | 11.53427605 |
| 4.192823863 | 0.37 | 9.660819161 | 0.967425699 | 11.74178389 |
| 3.938713652 | 0.37 | 9.787767345 | 0.818833748 | 9.821578328 |
| 3.797249332 | 0.37 | 9.872974082 | 0.699754099 | 8.293831301 |
| 3.734291799 | 0.37 | 9.912083019 | 0.637519653 | 7.498176924 |
| 3.685480588 | 0.37 | 9.941357335 | 0.591234771 | 6.905869757 |
| 3.647821532 | 0.37 | 9.964532813 | 0.552804334 | 6.414585495 |
| 3.622186864 | 0.37 | 9.979374973 | 0.525019315 | 6.059638888 |
| 3.627238634 | 0.37 | 9.974264482 | 0.524586857 | 6.053616101 |
| 3.752318037 | 0.37 | 9.895564175 | 0.626315361 | 7.351696082 |
| 3.924946329 | 0.37 | 9.790382263 | 0.767378916 | 9.152693526 |
| 3.761782821 | 0.37 | 9.871047218 | 0.672345531 | 7.924231237 |
| 3.665093187 | 0.37 | 9.932940995 | 0.575685242 | 6.691053662 |
| 3.946874471 | 0.37 | 9.776583872 | 0.770695506 | 9.192158316 |
| 4.252358465 | 0.37 | 9.617347944 | 0.9798662 | 11.87636482 |
| 3.971621908 | 0.37 | 9.741410574 | 0.84375995 | 10.11024093 |
| 3.723907733 | 0.37 | 9.878098902 | 0.648767393 | 7.611973481 |
| 3.638167557 | 0.37 | 9.931422539 | 0.550938776 | 6.37048583 |
| 3.58042724 | 0.37 | 9.964579824 | 0.489282238 | 5.588123961 |
| 3.549512801 | 0.37 | 9.982030638 | 0.451884108 | 5.114704524 |
| 3.524327471 | 0.37 | 9.994256755 | 0.42360757 | 4.756541607 |
| 3.498776098 | 0.37 | 10.00625747 | 0.395405448 | 4.399312346 |
| 3.473142018 | 0.37 | 10.01842074 | 0.366208773 | 4.029989304 |
| 3.446566352 | 0.37 | 10.03061426 | 0.335815932 | 3.646065984 |
| 3.420942313 | 0.37 | 10.04290877 | 0.304339336 | 3.249002789 |
| 3.393671588 | 0.37 | 10.05516365 | 0.271621737 | 2.837014793 |
| 3.366835524 | 0.37 | 10.06728148 | 0.2376107 | 2.409350685 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.340149325 | 0.37 | 10.07930891 | 0.202224882 | 1.965201215 |
| 3.340181964 | 0.37 | 10.07481637 | 0.195556346 | 1.883841391 |
| 3.340371396 | 0.37 | 10.06933318 | 0.195530409 | 1.883180824 |
| 3.849369333 | 0.37 | 9.787230165 | 0.658385292 | 7.755751644 |
| 3.808573813 | 0.37 | 9.790543747 | 0.697331749 | 8.220300279 |
| 3.609406986 | 0.37 | 9.89226043 | 0.537803225 | 6.182652817 |
| 3.601471186 | 0.37 | 9.899184799 | 0.502341674 | 5.741028015 |
| 3.591827437 | 0.37 | 9.89935841 | 0.493072331 | 5.622832239 |
| 3.58358234 | 0.37 | 9.900552809 | 0.483864844 | 5.50535577 |
| 3.573777307 | 0.37 | 9.901668377 | 0.474456314 | 5.385373677 |
| 3.565545176 | 0.37 | 9.902874678 | 0.465012834 | 5.265075153 |
| 3.555634472 | 0.37 | 9.904013318 | 0.455360953 | 5.142195273 |
| 3.547538917 | 0.37 | 9.90516086 | 0.445677751 | 5.019020767 |
| 3.538006379 | 0.37 | 9.906252809 | 0.435737914 | 4.892616675 |
| 3.528806277 | 0.37 | 9.90724128 | 0.425753339 | 4.765773954 |
| 3.519624805 | 0.37 | 9.908189873 | 0.415637524 | 4.637374468 |
| 3.51027661 | 0.37 | 9.909074802 | 0.405383533 | 4.507320728 |
| 3.501223537 | 0.37 | 9.90991766 | 0.395009156 | 4.37584623 |
| 3.491272547 | 0.37 | 9.910648251 | 0.384483186 | 4.242576929 |
| 3.482764965 | 0.37 | 9.911387955 | 0.373866793 | 4.108262068 |
| 3.473146473 | 0.37 | 9.912056224 | 0.363010799 | 3.970993014 |
| 3.463908844 | 0.37 | 9.912633346 | 0.352018042 | 3.83210053 |
| 3.454397313 | 0.37 | 9.91313608 | 0.340952564 | 3.692476854 |
| 3.444638518 | 0.37 | 9.91359876 | 0.329671838 | 3.550216908 |
| 3.435398127 | 0.37 | 9.914009615 | 0.318234779 | 3.406095146 |
| 3.425533513 | 0.37 | 9.914337278 | 0.30667166 | 3.260565009 |
| 3.416087952 | 0.37 | 9.914605406 | 0.294915949 | 3.112702416 |
| 3.406119691 | 0.37 | 9.914734901 | 0.283032251 | 2.963423613 |
| 3.396759298 | 0.37 | 9.914891001 | 0.270937544 | 2.811574697 |
| 3.386822871 | 0.37 | 9.914926676 | 0.258706334 | 2.658217619 |
| 3.376945969 | 0.37 | 9.914888539 | 0.246257059 | 2.502236955 |
| 3.367175889 | 0.37 | 9.914755503 | 0.233644623 | 2.34438267 |
| 3.357317632 | 0.37 | 9.914550611 | 0.220853482 | 2.184467928 |
| 3.35013753 | 0.37 | 9.913231552 | 0.210538941 | 2.055796094 |
| 3.350665059 | 0.37 | 9.90875 | 0.208712611 | 2.033422937 |
| 3.391558994 | 0.37 | 9.886609062 | 0.253119751 | 2.590342029 |
| 3.367275785 | 0.37 | 9.893772627 | 0.237012563 | 2.382013836 |
| 3.352971939 | 0.37 | 9.895501172 | 0.21555966 | 2.115325298 |
| 3.357102904 | 0.37 | 9.88884254 | 0.217219521 | 2.137660573 |
| 3.335015703 | 0.37 | 9.893884665 | 0.194385861 | 1.850319898 |
| 3.319739226 | 0.37 | 9.895059594 | 0.172387974 | 1.577601111 |
| 3.309711452 | 0.37 | 9.89585622 | 0.157418301 | 1.392376031 |
| 3.302304697 | 0.37 | 9.896183065 | 0.146321738 | 1.255048794 |
| 3.297271597 | 0.37 | 9.895577122 | 0.138634568 | 1.160065186 |
| 3.294599862 | 0.37 | 9.894115303 | 0.13440621 | 1.107920657 |
| 3.292144153 | 0.37 | 9.892762547 | 0.130840467 | 1.063663602 |
| 3.289635744 | 0.37 | 9.891436754 | 0.127265765 | 1.019296806 |
| 3.287632923 | 0.37 | 9.889907284 | 0.124257063 | 0.982031182 |
| 3.287779404 | 0.37 | 9.887658086 | 0.123683797 | 0.975085862 |
| 3.307731996 | 0.37 | 9.878142754 | 0.146110259 | 1.254918598 |
| 3.317997359 | 0.37 | 9.873269666 | 0.16246245 | 1.455794497 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.332733971 | 0.37 | 9.866084487 | 0.181666309 | 1.69402484 |
| 3.340014897 | 0.37 | 9.861996203 | 0.193623911 | 1.840979162 |
| 3.332516211 | 0.37 | 9.863340557 | 0.187402878 | 1.761755073 |
| 3.327590934 | 0.37 | 9.863009308 | 0.180062229 | 1.670838351 |
| 3.309919987 | 0.37 | 9.867277648 | 0.159335209 | 1.412440188 |
| 3.307529315 | 0.37 | 9.865411808 | 0.151992031 | 1.323348189 |
| 3.322655179 | 0.37 | 9.857759153 | 0.168038589 | 1.523960136 |
| 3.322585289 | 0.37 | 9.856601113 | 0.171958129 | 1.570335353 |
| 3.309720377 | 0.37 | 9.859297115 | 0.158038044 | 1.396262537 |
| 3.30477975 | 0.37 | 9.858637277 | 0.149167049 | 1.287355735 |
| 3.294524982 | 0.37 | 9.859972586 | 0.136443121 | 1.129370479 |
| 3.28614264 | 0.37 | 9.860401031 | 0.124184898 | 0.978110058 |
| 3.281535515 | 0.37 | 9.859547674 | 0.116666653 | 0.885778549 |
| 3.27760567 | 0.37 | 9.85875168 | 0.110712645 | 0.812335385 |
| 3.276703377 | 0.37 | 9.856942207 | 0.10839177 | 0.784074082 |
| 3.278261337 | 0.37 | 9.854410621 | 0.11013448 | 0.805845069 |
| 3.275298965 | 0.37 | 9.853744068 | 0.107136915 | 0.768099416 |
| 3.272670249 | 0.37 | 9.852606144 | 0.103346119 | 0.721387595 |
| 3.272288638 | 0.37 | 9.850825356 | 0.102033076 | 0.70542621 |
| 3.289256763 | 0.37 | 9.843491742 | 0.121178649 | 0.943584309 |
| 3.30516794 | 0.37 | 9.839669222 | 0.143591008 | 1.219787807 |
| 3.332822794 | 0.37 | 9.832124377 | 0.178536208 | 1.652896416 |
| 3.349974362 | 0.37 | 9.828628114 | 0.204437058 | 1.97179507 |
| 3.322275994 | 0.37 | 9.84003259 | 0.178787679 | 1.648779356 |
| 3.302175277 | 0.37 | 9.846340813 | 0.149593086 | 1.289046452 |
| 3.292208862 | 0.37 | 9.849219038 | 0.132909884 | 1.084660793 |
| 3.288186576 | 0.37 | 9.85071154 | 0.125545977 | 0.994832835 |
| 3.305280156 | 0.37 | 9.84559834 | 0.143305772 | 1.216890993 |
| 3.320267689 | 0.37 | 9.842175675 | 0.164597584 | 1.479700613 |
| 3.367692224 | 0.37 | 9.827684117 | 0.219982062 | 2.168924265 |
| 3.428233765 | 0.37 | 9.809001544 | 0.294303355 | 3.092631996 |
| 3.389203381 | 0.37 | 9.825976218 | 0.268039599 | 2.755351238 |
| 3.352382947 | 0.37 | 9.83897885 | 0.22061899 | 2.166720962 |
| 3.342505594 | 0.37 | 9.84152774 | 0.201333757 | 1.931210913 |
| 3.317317083 | 0.37 | 9.850562572 | 0.171438 | 1.559430425 |
| 3.302338836 | 0.37 | 9.855423262 | 0.148315266 | 1.275003629 |
| 3.294624468 | 0.37 | 9.857927362 | 0.135743797 | 1.120886414 |
| 3.287062741 | 0.37 | 9.860891182 | 0.125078655 | 0.989386549 |
| 3.281675502 | 0.37 | 9.863208482 | 0.116872408 | 0.888507557 |
| 3.277304233 | 0.37 | 9.865250917 | 0.110443311 | 0.809462259 |
| 3.275032415 | 0.37 | 9.866692472 | 0.106569974 | 0.762038262 |
| 3.272631448 | 0.37 | 9.868252414 | 0.103276458 | 0.721510292 |
| 3.271308993 | 0.37 | 9.869479155 | 0.101146038 | 0.695447866 |
| 3.269381196 | 0.37 | 9.87107112 | 0.098406859 | 0.661613916 |
| 3.268116411 | 0.37 | 9.872332641 | 0.096347748 | 0.636400462 |
| 3.268224967 | 0.37 | 9.873219229 | 0.095953352 | 0.631749903 |
| 3.269632797 | 0.37 | 9.87364889 | 0.097719485 | 0.653796404 |
| 3.26943982 | 0.37 | 9.874791433 | 0.097881987 | 0.655603742 |
| 3.270308783 | 0.37 | 9.875534163 | 0.098684024 | 0.665671268 |
| 3.277135049 | 0.37 | 9.874116316 | 0.10684335 | 0.767232689 |
| 3.277127751 | 0.37 | 9.875454157 | 0.108811286 | 0.790612529 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.272659107 | 0.37 | 9.836600782 | 0.103856517 | 0.726285077 |
| 3.26938189 | 0.37 | 9.830181163 | 0.098834247 | 0.664227604 |
| 3.26708093 | 0.37 | 9.83254216 | 0.095173712 | 0.619567119 |
| 3.266071857 | 0.37 | 9.834694879 | 0.093311322 | 0.597017664 |
| 3.266034273 | 0.37 | 9.836797672 | 0.092967085 | 0.593080528 |
| 3.26631134 | 0.37 | 9.839071178 | 0.093154393 | 0.59556124 |
| 3.269946981 | 0.37 | 9.840278277 | 0.097478138 | 0.64940365 |
| 3.292013409 | 0.37 | 9.835825357 | 0.124121875 | 0.980252661 |
| 3.273728425 | 0.37 | 9.845698061 | 0.109060186 | 0.788977121 |
| 3.271838457 | 0.37 | 9.847693283 | 0.101760816 | 0.701614827 |
| 3.278657801 | 0.37 | 9.847725484 | 0.10905128 | 0.792896827 |
| 3.276070871 | 0.37 | 9.851549658 | 0.10807994 | 0.77975115 |
| 3.272464129 | 0.37 | 9.855273141 | 0.103252003 | 0.720257436 |
| 3.269682891 | 0.37 | 9.858608485 | 0.098992828 | 0.668078595 |
| 3.310216871 | 0.37 | 9.847618436 | 0.144181126 | 1.231585515 |
| 3.32237944 | 0.37 | 9.848033042 | 0.168692681 | 1.530847386 |
| 3.30981741 | 0.37 | 9.855993862 | 0.158065217 | 1.396313766 |
| 3.289493341 | 0.37 | 9.865276706 | 0.131913106 | 1.072309247 |
| 3.280423091 | 0.37 | 9.870085886 | 0.116146606 | 0.879423426 |
| 3.274786466 | 0.37 | 9.874372892 | 0.107120854 | 0.768765971 |
| 3.272836597 | 0.37 | 9.877598373 | 0.103199668 | 0.721093285 |
| 3.299903044 | 0.37 | 9.870797814 | 0.133486284 | 1.099234185 |
| 3.29974612 | 0.37 | 9.874992582 | 0.140730738 | 1.185379366 |
| 3.281322445 | 0.37 | 9.884977367 | 0.119939621 | 0.926036603 |
| 3.274248155 | 0.37 | 9.889719618 | 0.10685672 | 0.766108676 |
| 3.269626524 | 0.37 | 9.894153359 | 0.099495124 | 0.675728396 |
| 3.267228854 | 0.37 | 9.897878148 | 0.095546188 | 0.627478203 |
| 3.266114718 | 0.37 | 9.901439445 | 0.093433731 | 0.601666278 |
| 3.266234171 | 0.37 | 9.904508536 | 0.093205696 | 0.599154754 |
| 3.266293097 | 0.37 | 9.907876907 | 0.093242556 | 0.599721659 |
| 3.267016176 | 0.37 | 9.910956745 | 0.094218543 | 0.612024136 |
| 3.26630114 | 0.37 | 9.919487466 | 0.093707654 | 0.605811562 |
| 3.265128542 | 0.37 | 9.929654416 | 0.092060672 | 0.585690751 |
| 3.264968378 | 0.37 | 9.939512157 | 0.091479463 | 0.578960098 |
| 3.264968588 | 0.37 | 9.94967432 | 0.091421957 | 0.578589805 |
| 3.264976577 | 0.37 | 9.959953956 | 0.091421455 | 0.578893154 |
| 3.265100169 | 0.37 | 9.970411885 | 0.091568788 | 0.581042219 |
| 3.265123612 | 0.37 | 9.981035053 | 0.091636439 | 0.582170819 |
| 3.265123581 | 0.37 | 9.991888896 | 0.091644312 | 0.582566236 |
| 3.265122277 | 0.37 | 10.00280188 | 0.091644258 | 0.582861151 |
| 3.265100344 | 0.37 | 10.01396053 | 0.091614568 | 0.582784094 |
| 3.265120011 | 0.37 | 10.02508382 | 0.091636121 | 0.583346021 |
| 3.265043145 | 0.37 | 10.03652938 | 0.091555403 | 0.582619847 |
| 3.265020223 | 0.37 | 10.04782885 | 0.091503343 | 0.582258777 |
| 3.265025232 | 0.37 | 10.05944978 | 0.091494938 | 0.582439372 |
| 3.265070953 | 0.37 | 10.07091029 | 0.09155336 | 0.583446812 |
| 3.265051705 | 0.37 | 10.08261186 | 0.091539541 | 0.583541227 |
| 3.265094534 | 0.37 | 10.09411775 | 0.091590105 | 0.584446277 |
| 3.265014747 | 0.37 | 10.10601815 | 0.091517903 | 0.583804147 |
| 3.2649716 | 0.37 | 10.11762815 | 0.091436772 | 0.583056566 |
| 3.265048632 | 0.37 | 10.12944483 | 0.091508586 | 0.584228884 |

| Pool Velocity (cm/s) | Thickness (m) | TN (mg/L) | TP (mg/L) | BOD5 (mg/L) |
|----------------------|---------------|-------------|-------------|-------------|
| 3.265072771 | 0.37 | 10.14107904 | 0.091560866 | 0.585132052 |
| 3.265097778 | 0.37 | 10.15284298 | 0.091598348 | 0.585856376 |
| 3.265098669 | 0.37 | 10.16442108 | 0.091606127 | 0.58620065 |
| 3.265118441 | 0.37 | 10.17621991 | 0.091635677 | 0.586825195 |
| 3.265144499 | 0.37 | 10.18779455 | 0.091584957 | 0.586428509 |
| 3.267458986 | 0.37 | 10.19785242 | 0.094477962 | 0.623132446 |
| 3.265239275 | 0.37 | 10.21070351 | 0.092542023 | 0.598748953 |
| 3.265044843 | 0.37 | 10.22231164 | 0.091609749 | 0.587730092 |
| 3.265020222 | 0.37 | 10.23386667 | 0.091502356 | 0.58688963 |

| Inorg. Deposition (kg/m2 | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|--------------------------|--------------------|---------------------------|---------------------------|
| 0 | 8.3 | 8.3 | 1539.305309 |
| 0 | 8.468891673 | 8.30343373 | 1539.305309 |
| 0 | 9.851897031 | 8.485256957 | 1539.305309 |
| 0 | 10.12409467 | 9.183252939 | 1539.305309 |
| 0 | 10.85604114 | 9.501659836 | 1539.305309 |
| 0 | 11.92407773 | 9.843983975 | 1539.305309 |
| 0 | 14.86992665 | 10.26515555 | 1539.305309 |
| 0 | 13.24954517 | 11.03892141 | 1539.305309 |
| 0 | 12.69422741 | 11.35498081 | 1539.305309 |
| 0 | 12.97527759 | 11.52423398 | 1539.305309 |
| 0 | 12.63310151 | 11.68536053 | 1539.305309 |
| 0 | 11.69115925 | 11.7805182 | 1539.305309 |
| 0 | 11.06656947 | 11.77230951 | 1539.305309 |
| 0 | 12.87735929 | 11.71336081 | 1539.305309 |
| 0 | 15.09739718 | 11.80341877 | 1539.305309 |
| 0 | 14.02866258 | 12.03933838 | 1539.305309 |
| 0 | 12.91862921 | 12.17242308 | 1539.305309 |
| 0 | 12.65993656 | 12.21906492 | 1539.305309 |
| 0 | 12.56057554 | 12.24505038 | 1539.305309 |
| 0 | 12.1094051 | 12.26253863 | 1539.305309 |
| 0 | 10.21873081 | 12.25349078 | 1539.305309 |
| 0 | 9.420837335 | 12.14880505 | 1539.305309 |
| 0 | 9.106174173 | 12.01897932 | 1539.305309 |
| 0 | 8.929376096 | 11.88078631 | 1539.305309 |
| 0 | 8.842487576 | 11.74169677 | 1539.305309 |
| 0 | 8.857608085 | 11.63439273 | 1539.305309 |
| 0 | 8.875862208 | 11.52212126 | 1539.305309 |
| 0 | 8.854798856 | 11.42296974 | 1539.305309 |
| 0 | 8.784034893 | 11.32914837 | 1539.305309 |
| 0 | 8.737196463 | 11.23819584 | 1539.305309 |
| 0 | 8.630493186 | 11.15190462 | 1539.305309 |
| 0 | 8.453142429 | 11.0660745 | 1539.305309 |
| 0 | 8.318245259 | 10.98254215 | 1539.305309 |
| 0 | 8.212316959 | 10.89835006 | 1539.305309 |
| 0 | 8.132575469 | 10.81853678 | 1539.305309 |
| 0 | 8.274455198 | 10.73816439 | 1539.305309 |
| 0 | 8.789467967 | 10.66867329 | 1539.305309 |
| 0 | 8.875559218 | 10.6158232 | 1539.305309 |
| 0 | 8.477185343 | 10.56883903 | 1539.305309 |
| 0 | 8.259013982 | 10.51375819 | 1539.305309 |
| 0 | 8.118369857 | 10.45637147 | 1539.305309 |
| 0 | 8.025453193 | 10.39691696 | 1539.305309 |
| 0 | 7.971429868 | 10.33810086 | 1539.305309 |
| 0 | 7.976031858 | 10.28290043 | 1539.305309 |
| 0 | 8.009848407 | 10.22908137 | 1539.305309 |
| 0 | 8.031529241 | 10.17791848 | 1539.305309 |
| 0 | 8.036033286 | 10.13094367 | 1539.305309 |
| 0 | 7.982504267 | 10.08537118 | 1539.305309 |
| 0 | 7.910058894 | 10.03967899 | 1539.305309 |
| 0 | 7.858467164 | 9.99659609 | 1539.305309 |
| 0 | 7.814695042 | 9.951745697 | 1539.305309 |

| Inorg. Deposition (kg/m2) | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|---------------------------|--------------------|---------------------------|---------------------------|
| 0 | 7.777764225 | 9.909758288 | 1539.305309 |
| 0 | 7.754921882 | 9.866525275 | 1539.305309 |
| 0 | 7.733636024 | 9.826306267 | 1539.305309 |
| 0 | 7.713115553 | 9.786103756 | 1539.305309 |
| 0 | 7.696854877 | 9.748563005 | 1539.305309 |
| 0 | 7.686875444 | 9.705391017 | 1539.305309 |
| 0 | 7.682250721 | 9.674161761 | 1539.305309 |
| 0 | 7.685971551 | 9.639414718 | 1539.305309 |
| 0 | 7.691524146 | 9.607310136 | 1539.305309 |
| 0 | 7.679659899 | 9.570190143 | 1539.305309 |
| 0 | 7.675174433 | 9.542701965 | 1539.305309 |
| 0 | 7.676437689 | 9.527152715 | 1539.305309 |
| 0 | 7.677448109 | 9.487134707 | 1539.305309 |
| 0 | 7.67295716 | 9.448338346 | 1539.305309 |
| 0 | 7.668845468 | 9.397055511 | 1539.305309 |
| 0 | 7.66889023 | 9.325557334 | 1539.305309 |
| 0 | 7.675506573 | 9.207943852 | 1539.305309 |
| 0 | 7.693293879 | 9.108288824 | 1539.305309 |
| 0 | 7.708683342 | 9.022681984 | 1539.305309 |
| 0 | 7.702822825 | 8.943286543 | 1539.305309 |
| 0 | 7.70226237 | 8.859470207 | 1539.305309 |
| 0 | 7.698704328 | 8.793861219 | 1539.305309 |
| 0 | 7.686263159 | 8.735297154 | 1539.305309 |
| 0 | 7.676463916 | 8.63284967 | 1539.305309 |
| 0 | 7.672038956 | 8.524668593 | 1539.305309 |
| 0 | 7.671101238 | 8.41963291 | 1539.305309 |
| 0 | 7.670748275 | 8.330460625 | 1539.305309 |
| 0 | 7.671193193 | 8.236552458 | 1539.305309 |
| 0 | 7.671740232 | 8.166674347 | 1539.305309 |
| 0 | 7.672280045 | 8.088726968 | 1539.305309 |
| 0 | 7.67282942 | 8.054825508 | 1539.305309 |
| 0 | 7.678917011 | 8.026630614 | 1539.305309 |
| 0 | 7.732951709 | 8.00254372 | 1539.305309 |
| 0 | 7.993588285 | 7.983704234 | 1539.305309 |
| 0 | 8.351651493 | 7.972077126 | 1539.305309 |
| 0 | 8.21285379 | 7.960351846 | 1539.305309 |
| 0 | 7.941617442 | 7.949682594 | 1539.305309 |
| 0 | 7.936247665 | 7.933318572 | 1539.305309 |
| 0 | 8.130914433 | 7.917546273 | 1539.305309 |
| 0 | 8.167724177 | 7.908808572 | 1539.305309 |
| 0 | 8.26553836 | 7.901056933 | 1539.305309 |
| 0 | 8.536953833 | 7.898325748 | 1539.305309 |
| 0 | 8.60774632 | 7.901873532 | 1539.305309 |
| 0 | 8.430061672 | 7.908368379 | 1539.305309 |
| 0 | 8.365194003 | 7.913184497 | 1539.305309 |
| 0 | 8.261916193 | 7.914981546 | 1539.305309 |
| 0 | 8.196877013 | 7.905927271 | 1539.305309 |
| 0 | 8.075124236 | 7.894934384 | 1539.305309 |
| 0 | 7.929602999 | 7.887883927 | 1539.305309 |
| 0 | 7.839037136 | 7.882314657 | 1539.305309 |
| 0 | 7.781471718 | 7.877480367 | 1539.305309 |

| Inorg. Deposition (kg/m2 | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|--------------------------|--------------------|---------------------------|---------------------------|
| 0 | 7.748975328 | 7.873630807 | 1539.305309 |
| 0 | 7.739324723 | 7.869901748 | 1539.305309 |
| 0 | 7.771526243 | 7.865946161 | 1539.305309 |
| 0 | 7.789215275 | 7.861986107 | 1539.305309 |
| 0 | 7.782005931 | 7.858094814 | 1539.305309 |
| 0 | 7.826162059 | 7.853667178 | 1539.305309 |
| 0 | 7.844948463 | 7.851121328 | 1539.305309 |
| 0 | 7.806707252 | 7.850016803 | 1539.305309 |
| 0 | 7.750517327 | 7.84907252 | 1539.305309 |
| 0 | 7.717307172 | 7.847996845 | 1539.305309 |
| 0 | 7.702588615 | 7.8468105 | 1539.305309 |
| 0 | 7.695080169 | 7.845971739 | 1539.305309 |
| 0 | 7.693233676 | 7.845380557 | 1539.305309 |
| 0 | 7.693622342 | 7.844946635 | 1539.305309 |
| 0 | 7.693934245 | 7.844950195 | 1539.305309 |
| 0 | 7.693667574 | 7.844306103 | 1539.305309 |
| 0 | 7.693889312 | 7.845141654 | 1539.305309 |
| 0 | 7.693381791 | 7.845337342 | 1539.305309 |
| 0 | 7.693028361 | 7.845579693 | 1539.305309 |
| 0 | 7.693218047 | 7.845161015 | 1539.305309 |
| 0 | 7.692698427 | 7.845871947 | 1539.305309 |
| 0 | 7.692623391 | 7.846080576 | 1539.305309 |
| 0 | 7.693643627 | 7.845903157 | 1539.305309 |
| 0 | 7.693741854 | 7.846663139 | 1539.305309 |
| 0 | 7.694751256 | 7.847280122 | 1539.305309 |
| 0 | 7.694575275 | 7.847675714 | 1539.305309 |
| 0 | 7.695292499 | 7.848124465 | 1539.305309 |
| 0 | 7.696401996 | 7.84774495 | 1539.305309 |
| 0 | 7.696455047 | 7.84752654 | 1539.305309 |
| 0 | 7.697486074 | 7.847790004 | 1539.305309 |
| 0 | 7.697306173 | 7.847622125 | 1539.305309 |
| 0 | 7.697513184 | 7.847648111 | 1539.305309 |
| 0 | 7.69798874 | 7.847720127 | 1539.305309 |
| 0 | 7.73174018 | 7.847408207 | 1539.305309 |
| 0 | 8.149670649 | 7.849160154 | 1539.305309 |
| 0 | 8.935573958 | 7.857175543 | 1539.305309 |
| 0 | 9.279849699 | 7.878283263 | 1539.305309 |
| 0 | 9.793701103 | 7.903804882 | 1539.305309 |
| 0 | 10.08439666 | 7.940052151 | 1539.305309 |
| 0 | 10.58020672 | 7.978800906 | 1539.305309 |
| 0 | 11.35635092 | 8.029331425 | 1539.305309 |
| 0 | 12.05221108 | 8.090556006 | 1539.305309 |
| 0 | 12.22068956 | 8.162591333 | 1539.305309 |
| 0 | 12.19395303 | 8.233076116 | 1539.305309 |
| 0 | 11.07972524 | 8.298140927 | 1539.305309 |
| 0 | 10.1221827 | 8.345493346 | 1539.305309 |
| 0 | 9.936985884 | 8.381742674 | 1539.305309 |
| 0 | 9.543861593 | 8.414938123 | 1539.305309 |
| 0 | 9.188143362 | 8.437040729 | 1539.305309 |
| 0 | 8.992208616 | 8.455147962 | 1539.305309 |
| 0 | 8.749298512 | 8.467198812 | 1539.305309 |

| Inorg. Deposition (kg/m2) | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|---------------------------|--------------------|---------------------------|---------------------------|
| 0 | 8.516672139 | 8.47072007 | 1539.305309 |
| 0 | 8.348113971 | 8.469189163 | 1539.305309 |
| 0 | 8.318706889 | 8.467768875 | 1539.305309 |
| 0 | 8.845014638 | 8.466822025 | 1539.305309 |
| 0 | 9.754492718 | 8.476710303 | 1539.305309 |
| 0 | 10.42202133 | 8.502632627 | 1539.305309 |
| 0 | 11.73288425 | 8.541934038 | 1539.305309 |
| 0 | 12.52125143 | 8.604892922 | 1539.305309 |
| 0 | 12.81306171 | 8.683092098 | 1539.305309 |
| 0 | 12.68449151 | 8.765919498 | 1539.305309 |
| 0 | 12.55130962 | 8.849654395 | 1539.305309 |
| 0 | 12.33463005 | 8.928875241 | 1539.305309 |
| 0 | 11.73308508 | 9.005185444 | 1539.305309 |
| 0 | 11.17585985 | 9.070658718 | 1539.305309 |
| 0 | 10.89743714 | 9.127746881 | 1539.305309 |
| 0 | 12.43113231 | 9.177387954 | 1539.305309 |
| 0 | 14.16446746 | 9.255314064 | 1539.305309 |
| 0 | 14.19846108 | 9.360450071 | 1539.305309 |
| 0 | 14.92557771 | 9.466299472 | 1539.305309 |
| 0 | 13.48225566 | 9.58901569 | 1539.305309 |
| 0 | 12.88050624 | 9.672143008 | 1539.305309 |
| 0 | 12.79977356 | 9.767272064 | 1539.305309 |
| 0 | 11.90804309 | 9.856553817 | 1539.305309 |
| 0 | 10.50093049 | 9.921316796 | 1539.305309 |
| 0 | 11.26668062 | 9.971062399 | 1539.305309 |
| 0 | 11.69214799 | 10.02807584 | 1539.305309 |
| 0 | 12.21869586 | 10.10048134 | 1539.305309 |
| 0 | 12.15894805 | 10.16849517 | 1539.305309 |
| 0 | 11.92082432 | 10.2487355 | 1539.305309 |
| 0 | 12.02077459 | 10.30361303 | 1539.305309 |
| 0 | 10.51586017 | 10.39067664 | 1539.305309 |
| 0 | 11.44581188 | 10.42611676 | 1539.305309 |
| 0 | 17.15751205 | 10.49770993 | 1539.305309 |
| 0 | 16.78533298 | 10.64943358 | 1539.305309 |
| 0 | 13.4742363 | 10.8037787 | 1539.305309 |
| 0 | 12.81580429 | 10.90050782 | 1539.305309 |
| 0 | 12.62396794 | 10.98518051 | 1539.305309 |
| 0 | 12.1797371 | 11.06631918 | 1539.305309 |
| 0 | 11.06078373 | 11.14399542 | 1539.305309 |
| 0 | 10.31470344 | 11.19542651 | 1539.305309 |
| 0 | 10.0421122 | 11.24318889 | 1539.305309 |
| 0 | 9.883100052 | 11.28740038 | 1539.305309 |
| 0 | 9.771781681 | 11.32529283 | 1539.305309 |
| 0 | 9.693094135 | 11.35921353 | 1539.305309 |
| 0 | 9.610154762 | 11.38426376 | 1539.305309 |
| 0 | 9.513279818 | 11.39572272 | 1539.305309 |
| 0 | 9.44716857 | 11.39914397 | 1539.305309 |
| 0 | 9.401746473 | 11.39400444 | 1539.305309 |
| 0 | 9.611622542 | 11.3827419 | 1539.305309 |
| 0 | 9.980823224 | 11.36640904 | 1539.305309 |
| 0 | 10.28934823 | 11.34328731 | 1539.305309 |

| Inorg. Deposition (kg/m2 | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|--------------------------|--------------------|---------------------------|---------------------------|
| 0 | 10.1144007 | 11.31416649 | 1539.305309 |
| 0 | 9.71984018 | 11.2786636 | 1539.305309 |
| 0 | 9.502021533 | 11.23552572 | 1539.305309 |
| 0 | 9.389533801 | 11.21026707 | 1539.305309 |
| 0 | 9.33526276 | 11.19827937 | 1539.305309 |
| 0 | 9.303000851 | 11.18848343 | 1539.305309 |
| 0 | 9.250988939 | 11.18363222 | 1539.305309 |
| 0 | 9.200626642 | 11.18517942 | 1539.305309 |
| 0 | 9.14542797 | 11.18966155 | 1539.305309 |
| 0 | 9.108673472 | 11.19478408 | 1539.305309 |
| 0 | 9.375549168 | 11.20413683 | 1539.305309 |
| 0 | 10.43643427 | 11.22335027 | 1539.305309 |
| 0 | 11.15271483 | 11.25904009 | 1539.305309 |
| 0 | 11.49910162 | 11.29731568 | 1539.305309 |
| 0 | 11.81516227 | 11.32646525 | 1539.305309 |
| 0 | 12.14124552 | 11.34970906 | 1539.305309 |
| 0 | 12.04117254 | 11.35661485 | 1539.305309 |
| 0 | 11.50971774 | 11.34763771 | 1539.305309 |
| 0 | 10.44125444 | 11.32686404 | 1539.305309 |
| 0 | 10.36372161 | 11.28939027 | 1539.305309 |
| 0 | 11.28945986 | 11.25307175 | 1539.305309 |
| 0 | 12.13934294 | 11.23556691 | 1539.305309 |
| 0 | 11.67617733 | 11.24245258 | 1539.305309 |
| 0 | 10.53381749 | 11.25054094 | 1539.305309 |
| 0 | 10.30341778 | 11.243048 | 1539.305309 |
| 0 | 10.44662878 | 11.20881411 | 1539.305309 |
| 0 | 10.41616987 | 11.1458999 | 1539.305309 |
| 0 | 10.1838288 | 11.08215218 | 1539.305309 |
| 0 | 9.885821459 | 11.00440695 | 1539.305309 |
| 0 | 9.709491246 | 10.94151403 | 1539.305309 |
| 0 | 9.644027029 | 10.89074676 | 1539.305309 |
| 0 | 9.568571558 | 10.83856314 | 1539.305309 |
| 0 | 9.470431075 | 10.8006303 | 1539.305309 |
| 0 | 9.487905552 | 10.7842924 | 1539.305309 |
| 0 | 10.26888722 | 10.75393953 | 1539.305309 |
| 0 | 10.9363421 | 10.73060972 | 1539.305309 |
| 0 | 12.85373484 | 10.71115629 | 1539.305309 |
| 0 | 13.67780985 | 10.72057263 | 1539.305309 |
| 0 | 15.46751319 | 10.74973559 | 1539.305309 |
| 0 | 13.57564244 | 10.80711915 | 1539.305309 |
| 0 | 12.68271799 | 10.85813176 | 1539.305309 |
| 0 | 12.24228283 | 10.8782043 | 1539.305309 |
| 0 | 11.32340426 | 10.79592687 | 1539.305309 |
| 0 | 10.98027179 | 10.70515359 | 1539.305309 |
| 0 | 11.08850015 | 10.66373214 | 1539.305309 |
| 0 | 11.12437 | 10.63518388 | 1539.305309 |
| 0 | 10.89286011 | 10.6102789 | 1539.305309 |
| 0 | 10.51301309 | 10.58880807 | 1539.305309 |
| 0 | 10.26671424 | 10.57966991 | 1539.305309 |
| 0 | 10.18473304 | 10.57843867 | 1539.305309 |
| 0 | 10.27308036 | 10.58120415 | 1539.305309 |

| Inorg. Deposition (kg/m2) | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|---------------------------|--------------------|---------------------------|---------------------------|
| 0 | 10.20013781 | 10.58708868 | 1539.305309 |
| 0 | 9.959527841 | 10.59455265 | 1539.305309 |
| 0 | 9.731167937 | 10.59926301 | 1539.305309 |
| 0 | 9.769393565 | 10.60110757 | 1539.305309 |
| 0 | 9.826534975 | 10.60582417 | 1539.305309 |
| 0 | 9.834695807 | 10.61199984 | 1539.305309 |
| 0 | 9.835605398 | 10.61920669 | 1539.305309 |
| 0 | 10.07802198 | 10.62289972 | 1539.305309 |
| 0 | 11.12469879 | 10.62443831 | 1539.305309 |
| 0 | 11.97433509 | 10.63837988 | 1539.305309 |
| 0 | 12.49549822 | 10.66937886 | 1539.305309 |
| 0 | 11.65291947 | 10.71524315 | 1539.305309 |
| 0 | 11.83420096 | 10.74778042 | 1539.305309 |
| 0 | 12.82485478 | 10.7891683 | 1539.305309 |
| 0 | 12.88159285 | 10.84910555 | 1539.305309 |
| 0 | 12.30062384 | 10.90956021 | 1539.305309 |
| 0 | 12.42426556 | 10.95945206 | 1539.305309 |
| 0 | 12.37990509 | 11.01346158 | 1539.305309 |
| 0 | 12.27793758 | 11.06080766 | 1539.305309 |
| 0 | 11.49549308 | 11.12146524 | 1539.305309 |
| 0 | 10.86225162 | 11.15678026 | 1539.305309 |
| 0 | 11.73536523 | 11.16397083 | 1539.305309 |
| 0 | 12.4624086 | 11.17375378 | 1539.305309 |
| 0 | 12.58396285 | 11.18987595 | 1539.305309 |
| 0 | 12.44995517 | 11.20254144 | 1539.305309 |
| 0 | 12.00701135 | 11.20770037 | 1539.305309 |
| 0 | 10.8782799 | 11.20703703 | 1539.305309 |
| 0 | 11.55811197 | 11.19628154 | 1539.305309 |
| 0 | 12.24378091 | 11.2151002 | 1539.305309 |
| 0 | 12.57915293 | 11.24654154 | 1539.305309 |
| 0 | 11.82324726 | 11.2680253 | 1539.305309 |
| 0 | 11.97320078 | 11.26276938 | 1539.305309 |
| 0 | 12.64991309 | 11.26750244 | 1539.305309 |
| 0 | 12.93442454 | 11.30260077 | 1539.305309 |
| 0 | 12.73458735 | 11.3454129 | 1539.305309 |
| 0 | 12.58024535 | 11.38482434 | 1539.305309 |
| 0 | 12.28276045 | 11.4204259 | 1539.305309 |
| 0 | 11.88347021 | 11.45491809 | 1539.305309 |
| 0 | 11.42466508 | 11.48869277 | 1539.305309 |
| 0 | 10.98409994 | 11.51371528 | 1539.305309 |
| 0 | 10.64717644 | 11.53889085 | 1539.305309 |
| 0 | 10.4038644 | 11.55652119 | 1539.305309 |
| 0 | 10.2435407 | 11.57480648 | 1539.305309 |
| 0 | 10.13989859 | 11.58608304 | 1539.305309 |
| 0 | 10.10536934 | 11.58363715 | 1539.305309 |
| 0 | 10.11598806 | 11.56828681 | 1539.305309 |
| 0 | 10.03603228 | 11.52152408 | 1539.305309 |
| 0 | 9.883787448 | 11.46169997 | 1539.305309 |
| 0 | 9.756871823 | 11.36983467 | 1539.305309 |
| 0 | 9.827702105 | 11.3046251 | 1539.305309 |
| 0 | 10.06329681 | 11.25809683 | 1539.305309 |

| Inorg. Deposition (kg/m2 | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|--------------------------|--------------------|---------------------------|---------------------------|
| 0 | 10.021461 | 11.22252502 | 1539.305309 |
| 0 | 9.891759569 | 11.20147896 | 1539.305309 |
| 0 | 9.870215 | 11.18329114 | 1539.305309 |
| 0 | 9.775291401 | 11.16247658 | 1539.305309 |
| 0 | 9.622933334 | 11.13968779 | 1539.305309 |
| 0 | 9.522724432 | 11.11723531 | 1539.305309 |
| 0 | 9.463013538 | 11.10204262 | 1539.305309 |
| 0 | 9.428636765 | 11.08749862 | 1539.305309 |
| 0 | 9.482897342 | 11.07669851 | 1539.305309 |
| 0 | 9.812756079 | 11.06352322 | 1539.305309 |
| 0 | 10.84157367 | 11.05702754 | 1539.305309 |
| 0 | 11.22369907 | 11.0719048 | 1539.305309 |
| 0 | 10.75097729 | 11.0929169 | 1539.305309 |
| 0 | 10.05369243 | 11.10869794 | 1539.305309 |
| 0 | 9.687061448 | 11.11243242 | 1539.305309 |
| 0 | 9.480061113 | 11.11427885 | 1539.305309 |
| 0 | 9.378195383 | 11.10768301 | 1539.305309 |
| 0 | 9.293088652 | 11.09556277 | 1539.305309 |
| 0 | 9.246994149 | 11.06314181 | 1539.305309 |
| 0 | 9.197118312 | 11.02069229 | 1539.305309 |
| 0 | 9.247990765 | 10.9642083 | 1539.305309 |
| 0 | 9.384666449 | 10.92420125 | 1539.305309 |
| 0 | 9.475651854 | 10.88514637 | 1539.305309 |
| 0 | 9.398806598 | 10.82929105 | 1539.305309 |
| 0 | 9.726496379 | 10.76840179 | 1539.305309 |
| 0 | 10.41898859 | 10.72846156 | 1539.305309 |
| 0 | 10.49314423 | 10.69473911 | 1539.305309 |
| 0 | 9.932843825 | 10.66286919 | 1539.305309 |
| 0 | 9.565269248 | 10.62389642 | 1539.305309 |
| 0 | 9.390522557 | 10.59141812 | 1539.305309 |
| 0 | 9.253361766 | 10.56758454 | 1539.305309 |
| 0 | 9.140236631 | 10.52060659 | 1539.305309 |
| 0 | 9.065994029 | 10.47073388 | 1539.305309 |
| 0 | 9.12481346 | 10.4122193 | 1539.305309 |
| 0 | 9.455817449 | 10.35704099 | 1539.305309 |
| 0 | 9.861194043 | 10.31440825 | 1539.305309 |
| 0 | 9.476384212 | 10.29751703 | 1539.305309 |
| 0 | 9.300799586 | 10.26334524 | 1539.305309 |
| 0 | 9.892470184 | 10.21370273 | 1539.305309 |
| 0 | 10.61221254 | 10.16908376 | 1539.305309 |
| 0 | 10.03757953 | 10.1485069 | 1539.305309 |
| 0 | 9.376324948 | 10.11620233 | 1539.305309 |
| 0 | 9.109051821 | 10.06015988 | 1539.305309 |
| 0 | 8.937390889 | 9.997522192 | 1539.305309 |
| 0 | 8.834527842 | 9.934217065 | 1539.305309 |
| 0 | 8.747430735 | 9.871760328 | 1539.305309 |
| 0 | 8.66031376 | 9.813446755 | 1539.305309 |
| 0 | 8.569052492 | 9.758666423 | 1539.305309 |
| 0 | 8.476165944 | 9.712356276 | 1539.305309 |
| 0 | 8.380230344 | 9.669785809 | 1539.305309 |
| 0 | 8.277932466 | 9.632957965 | 1539.305309 |

| Inorg. Deposition (kg/m2 | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|--------------------------|--------------------|---------------------------|---------------------------|
| 0 | 8.171891204 | 9.596422213 | 1539.305309 |
| 0 | 8.086254052 | 9.563179906 | 1539.305309 |
| 0 | 8.079425486 | 9.530352842 | 1539.305309 |
| 0 | 8.548990486 | 9.495069867 | 1539.305309 |
| 0 | 9.641361638 | 9.469578559 | 1539.305309 |
| 0 | 9.576248881 | 9.462340733 | 1539.305309 |
| 0 | 9.071923663 | 9.456969638 | 1537.067743 |
| 0 | 9.008599943 | 9.444411018 | 1461.627444 |
| 0 | 8.981437679 | 9.432467731 | 1461.627444 |
| 0 | 8.95309419 | 9.41275291 | 1461.627444 |
| 0 | 8.925360113 | 9.396422194 | 1461.627444 |
| 0 | 8.896282823 | 9.378209175 | 1461.627444 |
| 0 | 8.868213809 | 9.363764232 | 1461.627444 |
| 0 | 8.838849915 | 9.348324474 | 1461.627444 |
| 0 | 8.808831799 | 9.335303634 | 1461.627444 |
| 0 | 8.778775751 | 9.323839578 | 1461.627444 |
| 0 | 8.748164301 | 9.3117625 | 1461.627444 |
| 0 | 8.71748406 | 9.300532156 | 1461.627444 |
| 0 | 8.685600623 | 9.286319208 | 1461.627444 |
| 0 | 8.654520687 | 9.269440819 | 1461.627444 |
| 0 | 8.622281713 | 9.231739001 | 1461.627444 |
| 0 | 8.588990962 | 9.189367422 | 1461.627444 |
| 0 | 8.55586838 | 9.153519891 | 1461.627444 |
| 0 | 8.522244664 | 9.128497723 | 1461.627444 |
| 0 | 8.488207688 | 9.109257494 | 1461.627444 |
| 0 | 8.453940029 | 9.092229248 | 1461.627444 |
| 0 | 8.418982189 | 9.077709923 | 1461.627444 |
| 0 | 8.382786666 | 9.062352374 | 1461.627444 |
| 0 | 8.347269139 | 9.048686201 | 1461.627444 |
| 0 | 8.310975549 | 9.033721314 | 1461.627444 |
| 0 | 8.273778674 | 9.018342794 | 1461.627444 |
| 0 | 8.235774194 | 9.000037382 | 1461.627444 |
| 0 | 8.197535438 | 8.978689236 | 1461.627444 |
| 0 | 8.161335427 | 8.957055833 | 1461.627444 |
| 0 | 8.138042762 | 8.935915284 | 1461.627444 |
| 0 | 8.176636186 | 8.894534072 | 1461.627444 |
| 0 | 8.274012322 | 8.856767286 | 1461.627444 |
| 0 | 8.199582379 | 8.827873212 | 1461.627444 |
| 0 | 8.155604985 | 8.806500527 | 1461.627444 |
| 0 | 8.148217599 | 8.786137052 | 1461.627444 |
| 0 | 8.070254898 | 8.766690178 | 1461.627444 |
| 0 | 8.011725011 | 8.749908778 | 1461.627444 |
| 0 | 7.971837147 | 8.731472919 | 1461.627444 |
| 0 | 7.94242783 | 8.712176481 | 1461.627444 |
| 0 | 7.923563156 | 8.685172526 | 1461.627444 |
| 0 | 7.912649789 | 8.654616655 | 1461.627444 |
| 0 | 7.90252335 | 8.628641174 | 1461.627444 |
| 0 | 7.892735655 | 8.603474742 | 1461.627444 |
| 0 | 7.886147109 | 8.57225227 | 1461.627444 |
| 0 | 7.908043794 | 8.526526216 | 1461.627444 |
| 0 | 7.976443956 | 8.491388802 | 1461.627444 |

| Inorg. Deposition (kg/m2) | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|---------------------------|--------------------|---------------------------|---------------------------|
| 0 | 8.024372057 | 8.468429622 | 1461.627444 |
| 0 | 8.07707182 | 8.450274857 | 1461.627444 |
| 0 | 8.097717413 | 8.435475435 | 1461.627444 |
| 0 | 8.073631682 | 8.423486189 | 1461.627444 |
| 0 | 8.041277379 | 8.411973879 | 1461.627444 |
| 0 | 7.987001255 | 8.401871784 | 1461.627444 |
| 0 | 7.989191915 | 8.391977325 | 1461.627444 |
| 0 | 8.032686419 | 8.383986047 | 1461.627444 |
| 0 | 8.025442592 | 8.377931079 | 1461.627444 |
| 0 | 7.984930156 | 8.373841176 | 1461.627444 |
| 0 | 7.957731857 | 8.37045726 | 1461.627444 |
| 0 | 7.917794672 | 8.368176395 | 1461.627444 |
| 0 | 7.885947393 | 8.365512718 | 1461.627444 |
| 0 | 7.866630963 | 8.354723271 | 1461.627444 |
| 0 | 7.852299569 | 8.324249617 | 1461.627444 |
| 0 | 7.85006477 | 8.299512009 | 1461.627444 |
| 0 | 7.853193076 | 8.276864708 | 1461.627444 |
| 0 | 7.842238895 | 8.256320135 | 1461.627444 |
| 0 | 7.833518718 | 8.238688566 | 1461.627444 |
| 0 | 7.849651057 | 8.222105655 | 1461.627444 |
| 0 | 7.916250659 | 8.202020028 | 1461.627444 |
| 0 | 7.99438401 | 8.187804144 | 1461.627444 |
| 0 | 8.096475436 | 8.170690669 | 1461.627444 |
| 0 | 8.129696872 | 8.159155343 | 1461.627444 |
| 0 | 8.03514483 | 8.147776992 | 1461.627444 |
| 0 | 7.958433745 | 8.13550517 | 1461.627444 |
| 0 | 7.920140284 | 8.122525738 | 1461.627444 |
| 0 | 7.922021107 | 8.108509097 | 1461.627444 |
| 0 | 7.98563856 | 8.09724007 | 1461.627444 |
| 0 | 8.084056114 | 8.084354058 | 1461.627444 |
| 0 | 8.276900649 | 8.075788204 | 1461.627444 |
| 0 | 8.420521218 | 8.070203553 | 1461.627444 |
| 0 | 8.293465339 | 8.067944355 | 1461.627444 |
| 0 | 8.172952159 | 8.064522381 | 1461.627444 |
| 0 | 8.112572254 | 8.058725727 | 1461.627444 |
| 0 | 8.024756884 | 8.053426799 | 1461.627444 |
| 0 | 7.965662688 | 8.046506973 | 1461.627444 |
| 0 | 7.931680905 | 8.039923029 | 1461.627444 |
| 0 | 7.902358261 | 8.032559184 | 1461.627444 |
| 0 | 7.880764582 | 8.025788834 | 1461.627444 |
| 0 | 7.864212591 | 8.019378343 | 1461.627444 |
| 0 | 7.854331664 | 8.012652014 | 1461.627444 |
| 0 | 7.84580904 | 8.007094449 | 1461.627444 |
| 0 | 7.839728712 | 8.002409583 | 1461.627444 |
| 0 | 7.832367147 | 7.9968947 | 1461.627444 |
| 0 | 7.828266989 | 7.990966485 | 1461.627444 |
| 0 | 7.829777177 | 7.983212865 | 1461.627444 |
| 0 | 7.834854581 | 7.977947962 | 1461.627444 |
| 0 | 7.835876956 | 7.972411597 | 1461.627444 |
| 0 | 7.84567127 | 7.966591943 | 1461.627444 |
| 0 | 7.866752868 | 7.963510298 | 1461.627444 |

| Inorg. Deposition (kg/m2) | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|---------------------------|--------------------|---------------------------|---------------------------|
| 0 | 7.865036471 | 7.960993037 | 1461.627444 |
| 0 | 7.849752039 | 7.959208091 | 1461.627444 |
| 0 | 7.836238493 | 7.957659562 | 1461.627444 |
| 0 | 7.827668093 | 7.955972359 | 1461.627444 |
| 0 | 7.824752557 | 7.954707679 | 1461.627444 |
| 0 | 7.8250024 | 7.953441251 | 1461.627444 |
| 0 | 7.829909321 | 7.952231275 | 1461.627444 |
| 0 | 7.86598892 | 7.951421084 | 1461.627444 |
| 0 | 7.913777542 | 7.950725155 | 1461.627444 |
| 0 | 7.863557947 | 7.949699341 | 1461.627444 |
| 0 | 7.859621882 | 7.947010142 | 1461.627444 |
| 0 | 7.877733374 | 7.943488936 | 1461.627444 |
| 0 | 7.869437879 | 7.939842218 | 1461.627444 |
| 0 | 7.855513301 | 7.936341003 | 1461.627444 |
| 0 | 7.892000559 | 7.933293435 | 1461.627444 |
| 0 | 8.020171809 | 7.93166491 | 1461.627444 |
| 0 | 8.054921956 | 7.93225518 | 1461.627444 |
| 0 | 8.000540593 | 7.932543415 | 1461.627444 |
| 0 | 7.928977394 | 7.93224937 | 1461.627444 |
| 0 | 7.892110132 | 7.931198972 | 1461.627444 |
| 0 | 7.870515727 | 7.930100209 | 1461.627444 |
| 0 | 7.892209511 | 7.92926837 | 1461.627444 |
| 0 | 7.970400877 | 7.929334229 | 1461.627444 |
| 0 | 7.959319766 | 7.931101532 | 1461.627444 |
| 0 | 7.898501256 | 7.932790561 | 1461.627444 |
| 0 | 7.868823974 | 7.933602337 | 1461.627444 |
| 0 | 7.851608068 | 7.933932022 | 1461.627444 |
| 0 | 7.842230729 | 7.933690462 | 1461.627444 |
| 0 | 7.838310595 | 7.934242059 | 1461.627444 |
| 0 | 7.838858016 | 7.93400682 | 1461.627444 |
| 0 | 7.840211954 | 7.932548213 | 1461.627444 |
| 0 | 7.842799375 | 7.929893101 | 1461.627444 |
| 0 | 7.840395594 | 7.92555102 | 1461.627444 |
| 0 | 7.836659627 | 7.921064973 | 1461.627444 |
| 0 | 7.836253678 | 7.917756572 | 1461.627444 |
| 0 | 7.836746732 | 7.915765118 | 1461.627444 |
| 0 | 7.83741355 | 7.914337215 | 1461.627444 |
| 0 | 7.838389596 | 7.912935434 | 1461.627444 |
| 0 | 7.839061905 | 7.910222489 | 1461.627444 |
| 0 | 7.839617915 | 7.906170208 | 1461.627444 |
| 0 | 7.840148346 | 7.898313293 | 1461.627444 |
| 0 | 7.840638309 | 7.889337265 | 1461.627444 |
| 0 | 7.841194888 | 7.881609402 | 1461.627444 |
| 0 | 7.841486674 | 7.876318895 | 1461.627444 |
| 0 | 7.841935184 | 7.871765937 | 1461.627444 |
| 0 | 7.842518119 | 7.868858448 | 1461.627444 |
| 0 | 7.84321036 | 7.86674426 | 1461.627444 |
| 0 | 7.843743035 | 7.865356839 | 1461.627444 |
| 0 | 7.844379148 | 7.864355415 | 1461.627444 |
| 0 | 7.84465391 | 7.863793789 | 1461.627444 |
| 0 | 7.845088823 | 7.863452854 | 1461.627444 |

| Inorg. Deposition (kg/m2 | Inorg. Sed. (mg/L) | 60-day avg. Inorg. Sed. (| Mean Volume (annual) (cu. |
|--------------------------|--------------------|---------------------------|---------------------------|
| 0 | 7.845885518 | 7.863278226 | 1461.627444 |
| 0 | 7.846563752 | 7.863286376 | 1461.627444 |
| 0 | 7.847204596 | 7.863425246 | 1461.627444 |
| 0 | 7.847786234 | 7.863668184 | 1461.627444 |
| 0 | 7.848371275 | 7.863931602 | 1461.627444 |
| 0 | 7.851116086 | 7.864197271 | 1461.627444 |
| 0 | 7.857388021 | 7.864607093 | 1461.627444 |
| 0 | 7.851350816 | 7.864931412 | 1461.627444 |
| 0 | 7.850350105 | 7.864956411 | 1461.627444 |