Table 1. Fee Calculation Summary for the Pennsylvania Pipeline Project2 (PPP) – Cambria County – 5/24/2016

| **Crossing ID1** | **Resources** | **Permanent Impacts area (acre)** | **Temporary Impact area (acre)** |
| --- | --- | --- | --- |
| 1 | W137 | 0.001 | - |
| 2 | S-N64 | 0.174 | 0.049 |
| 3 | W139 | 0.014 | - |
| 4 | S-N63 | 0.171 | 0.055 |
| 5 | W140 | 0.026 | - |
| 6 | S-N62 | 0.138 | 0.052 |
| 7 | S-BB61 | - | 0.076 |
| 8 | S-N61 | 0.169 | 0.047 |
| 9 | S-N60 | 0.045 | 0.049 |
| 10 | S-N59 | 0.175 | 0.048 |
| 11 | S-N58 | 0.075 | - |
| 12 | S-N57 | 0.028 | - |
| 13 | S-N56 | 0.257 | 0.051 |
| 14 | N33 | 0.183 | - |
| 15 | S-N53 | 0.462 | 0.176 |
| 16 | S-N54 |
| 17 | S-N55 |
| 18 | N31 | 0.025 | - |
| 19 | S-N51 | 0.329 | 0.117 |
| 20 | S-N52 |
| 21 | N30 | 0.011 | - |
| 22 | S-N49 | 0.250 | 0.053 |
| 23 | S-N50 |
| 24 | S-N48 | 0.226 | 0.070 |
| 25 | S-N45 | 0.372 | 0.166 |
| 26 | S-N46 |
| 27 | S-N47 |
| 28 | S-Q56 |
| 29 | N29 | 0.039 | - |
| 30 | S-N43 | 0.001 | - |
| 31 | N27 | 0.027 | - |
| 32 | N26 | 0.102 | - |
| 33 | S-N42 | 0.050 | - |
| 34 | S-N41 | 0.076 | 0.054 |
| 35 | N25 | 0.011 | - |
| 36 | S-N40 | 0.006 | - |
| 37 | N24 | 0.029 | - |
| 38 | S-N39 | 0.055 | - |
| 39 | N20 | 0.055 | - |
| 40 | S-N36 | 0.008 | - |
| 41 | S-O43 | 0.091 | - |
| 42 | S-O44 |
| 43 | S-N35 |
| 44 | O35 | 0.004 | - |
| 45 | S-O40 | 0.486 | 0.085 |
| 46 | S-O41 |
| 47 | S-O42 |
| 48 | O27 | 0.115 | - |
| 49 | O25 | 0.080 | - |
| 50 | O24 | 0.002 | - |
| 51 | S-O38 | 0.215 | 0.067 |
| 52 | S-O39 |
| 53 | O23 | 0.145 | - |
| 54 | O21 | 0.120 | - |
| 55 | O20 | 0.056 | - |
| 56 | S-O37 | 0.133 | 0.029 |
| 57 | S-O59 | 0.278 | 0.051 |
| 58 | S-O60 |
| 59 | S-O56 | 0.151 | 0.049 |
| 60 | S-O57 |
| 61 | S-O58 |
| 62 | O42 | 0.046 | - |
| 63 | S-O54 | 0.153 | 0.050 |
| 64 | S-O45 | 1.753 | 0.261 |
| 65 | S-O46 |
| 66 | S-O47 |
| 67 | S-O48 |
| 68 | S-O49 |
| 69 | S-O50 |
| 70 | S-O51 |
| 71 | S-O52 |
| 72 | S-O53 |
| 73 | S-O30 |
| 74 | S-O31 |
| 75 | S-O32 |
| 76 | O37 | 0.022 | - |
| 77 | O16 | 0.066 | - |
| 78 | O17 | 0.139 | - |
| 79 | S-O33 | 0.274 | 0.089 |
| 80 | S-O34 | 0.147 | 0.049 |
| 81 | S-O35 |
| 82 | S-O36 | 0.217 | 0.109 |
| 83 | CC6 | 0.009 | - |
| 84 | S-CC4 | 0.462 | 0.175 |
| 85 | S-CC5 |
| 86 | S-CC6 |
| 87 | CC7 | 0.008 | - |
| 88 | S-CC7 | 0.264 | 0.151 |
| 89 | CC20 | 0.011 | - |
| 90 | CC21 | 0.004 | - |
| 91 | CC15 | 0.050 | - |
| 92 | CC12 | 0.004 | - |
| 93 | CC13 | 0.001 | - |
| 94 | CC19 | 0.010 | - |
| 95 | CC16 | 0.018 | 0.012 |
| 96 | CC18 | 0.001 | - |
| 97 | CC17 | 0.330 | - |
| 98 | S-CC8 | 0.149 | - |
| 99 | S-CC3 | 0.083 | - |
| 100 | CC4 | 0.024 | - |
| 101 | S-CC2 | 0.008 | - |
| 102 | S-CC1 | 0.135 | 0.028 |
| 103 | CC2 | 0.009 | - |
| 104 | O15 | 0.019 | - |
| 105 | S-O29 | 0.163 | 0.047 |
| 106 | S-O28 | 0.187 | 0.045 |
| 107 | S-O27\* | - | - |
| 108 | S-O25 | 0.262 | 0.059 |
| 109 | S-O24\* | - | - |
| 110 | S-O21 | 0.887 | 0.154 |
| 111 | S-O22 |
| 112 | S-O23 |
| 113 | O12 | 0.003 | - |
| 114 | O10 | 0.003 | - |
| 115 | O9 | 0.073 | - |
| 116 | S-O17 | 1.082 | 0.366 |
| 117 | S-O18 |
| 118 | S-O19 |
| 119 | S-O20 |
| 120 | O8 | 0.050 | - |
| 121 | S-O15 | 0.373 | 0.099 |
| 122 | S-O16 |
| 123 | N1 | 0.074 | - |
| 124 | S-N1 | 0.155 | 0.026 |
| 125 | S-N2 |
| 126 | S-N3 |
| 127 | N2 | 0.029 | - |
| 128 | S-N4 | 0.235 | 0.026 |
| 129 | S-N5 |
| 130 | S-N6 |
| 131 | S-N7 | 0.003 | 0.027 |
| 132 | S-N8 | 0.113 | 0.049 |
| 133 | S-N9 | - | 0.038 |
| 134 | N4 | 0.045 | - |
| 135 | S-N10 | 0.144 | 0.024 |
| 136 | S-N11 |
| 137 | S-N12 |
| 138 | N6 | 0.008 | - |
| 139 | N5 | 0.022 | - |
| 140 | S-N13 | 0.169 | 0.024 |
| 141 | S-N14 |
| 142 | S-N15 | 0.344 | - |
| 143 | S-N16 |
| 144 | S-N17 |
| 145 | S-BB64 | - | 0.039 |
| 146 | BB89 | - | 0.002 |
| 147 | S-N34 | 0.280 | - |
| 148 | N18 | 0.268 | 0.004 |
| 149 | S-N33 | 0.229 | 0.058 |
| 150 | N17 | 0.048 | - |
| 151 | S-N31 | 0.014 | - |
| 152 | S-N32 |
| 153 | S-N29 | 0.092 | 0.024 |
| 154 | S-N30 |
| 155 | N15 | 0.056 | - |
| 156 | N14 | 0.002 | - |
| 157 | N12 | 0.074 | - |
| 158 | S-N27 | 0.118 | 0.048 |
| 159 | S-N25 | 0.269 | 0.034 |
| 160 | S-N26 |
| 161 | S-N28 |
| 162 | N11 | 0.026 | - |
| 163 | S-N21 | 0.267 | 0.072 |
| 164 | S-N22 |
| 165 | N10 | 0.035 | - |
| 166 | N9 | 0.139 | - |
| 167 | S-N19 | 0.037 | 0.028 |
| 168 | S-N20 |
| 169 | N8 | 0.093 | - |
| 170 | S-N18 | 0.119 | 0.009 |
| 171 | S-O14 | 0.158 | 0.014 |
| 172 | O6 | 0.018 | - |
| 173 | S-O13 | 0.233 | 0.061 |
| 174 | S-O11 | 0.281 | 0.055 |
| 175 | S-O12 |
| 176 | O5 | 0.055 | - |
| 177 | S-O7 | 0.232 | 0.048 |
| 178 | S-O8 |
| 179 | S-O9 |
| 180 | S-O10 |
| 181 | O4 | 0.027 | - |
| 182 | S-O5 | 0.409 | 0.024 |
| 183 | S-O6 |
| 184 | O3 | 0.049 | - |
| 185 | Pond-O1 | 0.001 | - |
| 186 | O2 | 0.390 | - |
| 187 | S-O4 | 0.207 | 0.054 |
| 188 | S-O2 | 0.062 | 0.067 |
| 189 | S-O3 |
| 190 | S-O1 | 0.138 | 0.052 |
| 191 | O1 | 0.047 | - |
| 192 | K27 | 0.038 | - |
| 193 | K28 | 0.183 | - |
| 194 | S-K25 | 0.077 | 0.025 |
| 195 | K30 | 0.010 | - |
| 196 | S-K26\* | - | - |
| 197 | S-K27 | 0.298 | 0.048 |
| 198 | S-K28\* | - | - |
| 199 | S-K29\* |
| 200 | S-K30\* |
| 201 | S-K31\* |
| 202 | K31 | 0.064 | - |
| 203 | S-K32 | 0.240 | - |
| 204 | S-K33 |
| 205 | S-BB112 | 0.121 | 0.023 |
| 206 | BB141 | 0.010 | - |
| 207 | BB142 | 0.011 | - |
| 208 | S-BB114 | 0.252 | - |
| 209 | S-BB115 |
| 210 | BB144 | 0.108 | - |
| 211 | BB145 | 0.011 | - |
| 212 | BB146 | 0.013 | 0.001 |
| 213 | BB147 | 0.178 | - |
| 214 | S-BB116 | 0.124 | 0.016 |
| 215 | BB148 | 0.008 | - |
| 216 | S-BB117 | 0.136 | 0.010 |
| 217 | S-M94 | 0.122 | - |
| 218 | S-M92 | 0.140 | 0.038 |
| 219 | S-M91\* | - | - |
| 220 | S-M90 | 0.280 | 0.113 |
| 221 | M61 | 0.119 | - |
| 222 | S-Q57 | 0.514 | 0.099 |
| 223 | S-M87 |
| 224 | S-M88 |
| 225 | S-M86\* | - | - |
| 226 | L66 | 0.012 | - |
| 227 | L65 | 0.108 | - |
| 228 | S-L92 | 0.094 | 0.045 |
| 229 | M60 | 0.056 | - |
| 230 | S-M83 | 0.143 | 0.028 |
| 231 | S-BB53 |
| 232 | BB67 | 0.034 | - |
| 233 | S-M84 | 0.229 | 0.111 |
| 234 | S-BB54 |
| 235 | S-BB56 |
| 236 | L64 | 0.053 | 0.224 |
| 237 | S-M82 | 0.064 | 0.01 |
| 238 | L63 | 0.064 | - |
| 239 | S-L91 | 0.001 | - |
| 240 | S-L90 | 0.142 | 0.051 |
| 241 | M59 | 0.074 | - |
| 242 | S-M81 | 0.050 | - |
| 243 | L62 | 0.004 | - |
| 244 | S-Q71 | 0.520 | 0.123 |
| 245 | S-L94 |
| 246 | S-L95 |
| 247 | Q65 | 0.011 | - |
| 248 | BB111 | 0.006 | - |
| 249 | Q49 | - | 0.010 |
| 250 | Q50 | - | 0.005 |
| 251 | Q51 | - | 0.016 |
| **TOTAL AREA4** | | 23.501 | 4.941 |
| **IMPACT FEES** | | $188,800 | $20,000 |
| **Administrative Fees3** | | | $1,750 |
| **TOTAL FEES** | | | **$210,550** |
| Notes:  1 Crossing ID is the sequential resource crossing from west to east. Some resources are grouped due to complete containment in other resources (e.g. a wetland entirely within a floodway).  2 The Pennsylvania Pipeline Project is seeking permits for two new pipelines.  3 Fees include the rates listed in the Chapter 105 Fee Calculation Sheet of $8,000 per acre of permanent impact and $4,000 per acre of temporary impact.  4Total Area includes the Chapter 106 floodplain impacts.  \*PADEP-Waived stream impacts are not included in impact fee calculation | | | |

**Table 2. Wetland Impact Summary for the Pennsylvania Pipeline Project (PPP) – Cambria County – 5/24/2016**

| **Wetland ID** | **USFWS Cowardin Classification2** | **Coordinates** | **12-Digit HUC Code** | **Crossing Method1,3** | **Length of Centerline Crossing (feet)4** | **PADEP Permanent Impact5** | **PADEP Temporary Impact6** | **PADEP & USACE Permanent Loss7** | **Conversion Impact (acre)8** | **Exceptional Value** | **Site Plan/E&S Plan/HDD Sheet Number** | **Permit** | **USACE District** | **USACE Section 10/404 Activity** | **Fee Crossing Reference Number** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pond-O1 | PUB | -78.6393, 40.4528 | 050100070502 | Open Cut | - | 0.001 | - | - | - | n/a | 35/2.56 | Individual | Pittsburgh | Activity in WOUS | 185 |
| W137 | PEM | -78.9537, 40.4294 | 050100071002 | Open Cut | - | 0.001 | - | - | - | n/a | 1/2.01 | Individual | Pittsburgh | Activity in WOUS | 1 |
| W139 | PEM | -78.9447, 40.4271 | 050100071002 | Open Cut | 22 | 0.014 | - | - | - | Wild Trout | 2/2.02  WL-139 S-N63-Layout1 | Individual | Pittsburgh | Activity in WOUS | 3 |
| W140 | PEM | -78.9439, 40.4269 | 050100071002 | Open Cut | 59 | 0.026 | - | - | - | Wild Trout | 2/2.02  WL-140 S-N62-Layout1 | Individual | Pittsburgh | Activity in WOUS | 5 |
| BB67 | PEM | -78.5784, 40.4235 | 050100070502 | Open Cut | - | 0.005 | - | - | - | n/a | 45/2.7 | Individual | Pittsburgh | Activity in WOUS | 232 |
| PSS | -78.5782, 40.4235 | 050100070502 | Open Cut | 33 | 0.029 | - | - | - | n/a | 45/2.7 | Individual | Pittsburgh | Activity in WOUS | 232 |
| BB89 | PEM | -78.6875, 40.4505 | 050100070501 | Temporary Matting | - | - | 0.002 | - | - | n/a | 30/2.47 | Individual | Pittsburgh | Activity in WOUS | 146 |
| BB111 | PEM | -78.5569, 40.4085 | 020503020201 | Open Cut | - | 0.006 | - | - | - | n/a | 48/3.01 | Individual | Baltimore | Activity in WOUS | 248 |
| BB141 | PEM | -78.5954, 40.4459 | 050100070502 | Open Cut | - | 0.010 | - | - | - | n/a | 41/2.64 | Individual | Pittsburgh | Activity in WOUS | 206 |
| BB142 | PEM | -78.5951, 40.4461 | 050100070502 | Open Cut | - | 0.001 | - | - | - | n/a | 41/2.64 | Individual | Pittsburgh | Activity in WOUS | 207 |
| PSS | -78.5948, 40.4459 | 050100070502 | Open Cut | 18 | 0.010 | - | - | - | n/a | 41/2.64 | Individual | Pittsburgh | Activity in WOUS | 207 |
| BB144 | PEM | -78.5947, 40.4456 | 050100070502 | Open Cut | 9 | 0.013 | - | - | - | n/a | 41/2.64 | Individual | Pittsburgh | Activity in WOUS | 210 |
| PSS | -78.5946, 40.4457 | 050100070502 | Open Cut | 102 | 0.095 | - | - | - | n/a | 41/2.64 | Individual | Pittsburgh | Activity in WOUS | 210 |
| BB145 | PEM | -78.5944, 40.4453 | 050100070502 | Open Cut | 6 | 0.011 | - | - | - | n/a | 41/2.64 | Individual | Pittsburgh | Activity in WOUS | 211 |
| BB146 | PEM | -78.5947, 40.4443 | 050100070502 | Open Cut | 13 | 0.013 | - | - | - | n/a | 41/2.65 | Individual | Pittsburgh | Activity in WOUS | 212 |
| PSS | -78.5950, 40.4444 | 050100070502 | Open Cut | - | - | 0.001 | - | - | n/a | 41/2.65 | Individual | Pittsburgh | Activity in WOUS | 212 |
| BB147 | PEM | -78.5952, 40.4442 | 050100070502 | Bore/ Temporary Matting | 11 | 0.178 | - | - | - | n/a | 41/2.65 | Individual | Pittsburgh | Activity in WOUS | 213 |
| BB148 | PEM | -78.5959, 40.4435 | 050100070502 | Open Cut | - | 0.008 | - | - | - | n/a | 41/2.65 | Individual | Pittsburgh | Activity in WOUS | 215 |
| CC2 | PEM | -78.7617, 40.4374 | 050100070901 | Open Cut | - | 0.009 | - | - | - | n/a | 20/2.34 | Individual | Pittsburgh | Activity in WOUS | 103 |
| CC4 | PEM | -78.7650, 40.4368 | 050100070901 | Open Cut | 49 | 0.024 | - | - | - | n/a | 22/2.34 | Individual | Pittsburgh | Activity in WOUS | 100 |
| CC6 | PEM | -78.7822, 40.4330 | 050100070901 | Open Cut | 14 | 0.009 | - | - | - | Wild Trout | 19/2.31  WL-CC6\_WL-CC7-Layout1 | Individual | Pittsburgh | Activity in WOUS | 83 |
| CC7 | PEM | -78.7810, 40.4333 | 050100070901 | Open Cut | - | 0.008 | - | - | - | Wild Trout | 19/2.31  WL-CC6\_WL-CC7-Layout1 | Individual | Pittsburgh | Activity in WOUS | 87 |
| CC12 | PEM | -78.7732, 40.4349 | 050100070901 | Open Cut | - | 0.004 | - | - | - | n/a | 20/2.32 | Individual | Pittsburgh | Activity in WOUS | 92 |
| CC13 | PEM | -78.7726, 40.4350 | 050100070901 | Open Cut | - | 0.001 | - | - | - | n/a | 20/2.32 | Individual | Pittsburgh | Activity in WOUS | 93 |
| CC15 | PEM | -78.7732, 40.4350 | 050100070901 | Open Cut | 112 | 0.043 | - | - | - | n/a | 20/2.32 | Individual | Pittsburgh | Activity in WOUS | 91 |
| PFO | -78.7728, 40.4348 | 050100070901 | Open Cut | 4 | 0.007 | - | - | 0.007 | n/a | 20/2.32 | Individual | Pittsburgh | Activity in WOUS | 91 |
| CC16 | PEM | -78.7710, 40.4356 | 050100070901 | Open Cut/Travel Lane | 14 | 0.018 | 0.012 | - | - | n/a | 20/2.33 | Individual | Pittsburgh | Activity in WOUS | 95 |
| CC17 | PSS | -78.7697, 40.4357 | 050100070901 | HDD/Travel Lane | 599 | 0.330 | - | - | - | Wild Trout | 20/2.33  PA-CA-0047.0000-SR & -16 | Individual | Pittsburgh | Activity in WOUS | 97 |
| CC18 | PEM | -78.7716, 40.4351 | 050100070901 | Open Cut | - | 0.001 | - | - | - | n/a | 20/2.33 | Individual | Pittsburgh | Activity in WOUS | 96 |
| CC19 | PEM | -78.7721, 40.4351 | 050100070901 | Open Cut | 10 | 0.010 | - | - | - | n/a | 20/2.32 | Individual | Pittsburgh | Activity in WOUS | 94 |
| CC20 | PEM | -78.7749, 40.4347 | 050100070901 | Open Cut | - | 0.011 | - | - | - | n/a | 21/2.32 | Individual | Pittsburgh | Activity in WOUS | 89 |
| CC21 | PEM | -78.7750, 40.4344 | 050100070901 | Open Cut | - | 0.004 | - | - | - | Wild Trout | 22/2.32  WL-CC21-Layout1 | Individual | Pittsburgh | Activity in WOUS | 90 |
| K27 | PEM | -78.6173, 40.4542 | 050100070502 | Open Cut | 44 | 0.038 | - | - | - | n/a | 37/2.59 | Individual | Pittsburgh | Activity in WOUS | 192 |
| K28 | PEM | -78.6131, 40.4529 | 050100070502 | Open Cut | 196 | 0.183 | - | - | - | n/a | 38/2.6 | Individual | Pittsburgh | Activity in WOUS | 193 |
| K30 | PFO | -78.6118, 40.4524 | 050100070502 | Open Cut | 9 | 0.010 | - | - | 0.010 | n/a | 38/2.6  S-K27\_S-K29-Layout1 | Individual | Pittsburgh | Activity in WOUS | 195 |
| K31 | PEM | -78.6081, 40.4505 | 050100070502 | HDD | 201 | 0.014 | - | - | - | n/a | 38/2.61  PA-CA-0089.0000-RR & -16 | Individual | Pittsburgh | Non-jurisdictional | 202 |
| PFO | -78.6074, 40.4502 | 050100070502 | HDD | 499 | 0.034 | - | - | - | n/a | 38/2.61  PA-CA-0089.0000-RR & -16 | Individual | Pittsburgh | Non-jurisdictional | 202 |
| PSS | -78.6063, 40.4497 | 050100070502 | HDD | 230 | 0.016 | - | - | - | n/a | 38/2.61  PA-CA-0089.0000-RR & -16 | Individual | Pittsburgh | Non-jurisdictional | 202 |
| L62 | PFO | -78.5626, 40.4121 | 050100070502 | HDD | 62 | 0.004 | - | - | - | Plant | 47/2.74  PA-CA-0091.0016-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 243 |
| L63 | PEM | -78.5755, 40.4204 | 050100070502 | Open Cut | 10 | 0.028 | - | - | - | Wild Trout | 45/2.71  WL-L63-Layout1 | Individual | Pittsburgh | Activity in WOUS | 238 |
| PFO | -78.5754, 40.4205 | 050100070502 | Open Cut | 54 | 0.036 | - | - | 0.036 | Wild Trout | 45/2.71  WL-L63-Layout1 | Individual | Pittsburgh | Activity in WOUS | 238 |
| L64 | PEM | -78.5772, 40.4220 | 050100070502 | Open Cut | 52 | 0.053 | 0.224 | - | - | Wild Trout | 45/2.7  WL-L64-Layout1 | Individual | Pittsburgh | Activity in WOUS | 236 |
| L65 | PEM | -78.5807, 40.4252 | 050100070502 | Travel Lane | - | 0.097 | - | - | - | Wild Trout | 44/2.69  WL-L65-Layout1 | Individual | Pittsburgh | Activity in WOUS | 227 |
| PFO | -78.5806, 40.4252 | 050100070502 | Bore | 155 | 0.011 | - | - | - | Wild Trout | 44/2.69  PA-CA-0091.0000-RD | Individual | Pittsburgh | Non-jurisdictional | 227 |
| L66 | PEM | -78.5838, 40.4301 | 050100070502 | Open Cut | 19 | 0.012 | - | - | - | n/a | 44/2.68 | Individual | Pittsburgh | Activity in WOUS | 226 |
| M59 | PEM | -78.5657, 40.4135 | 050100070502 | HDD | 293 | 0.020 | - | - | - | n/a | 47/2.73  PA-CA-0091.0016-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 241 |
| PFO | -78.5661, 40.4141 | 050100070502 | HDD | 499 | 0.035 | - | - | - | n/a | 47/2.73  PA-CA-0091.0016-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 241 |
| PSS | -78.5638, 40.4127 | 050100070502 | HDD | 280 | 0.019 | - | - | - | n/a | 47/2.73  PA-CA-0091.0016-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 241 |
| M60 | PSS | -78.5794, 40.4244 | 050100070502 | Open Cut | 71 | 0.056 | - | - | - | n/a | 45/2.7 | Individual | Pittsburgh | Activity in WOUS | 229 |
| M61 | PEM | -78.5874, 40.4341 | 050100070502 | Open Cut | 193 | 0.115 | - | - | - | n/a | 43/2.67 | Individual | Pittsburgh | Activity in WOUS | 221 |
| PSS | -78.5875, 40.4346 | 050100070502 | Open Cut | - | 0.004 | - | - | - | n/a | 43/2.67 | Individual | Pittsburgh | Activity in WOUS | 221 |
| N1 | PEM | -78.7124, 40.4491 | 050100070501 | Bore/Travel Lane | - | 0.069 | - | - | - | n/a | 27/2.43  PPP-PA-CA-0065.0000-AR | Individual | Pittsburgh | Activity in WOUS | 123 |
| PFO | -78.7124, 40.4488 | 050100070501 | Bore | 71 | 0.005 | - | - | - | n/a | 27/2.43  PPP-PA-CA-0065.0000-AR | Individual | Pittsburgh | Non-jurisdictional | 123 |
| N2 | PEM | -78.7086, 40.4498 | 050100070501 | Open Cut | - | 0.029 | - | - | - | n/a | 28/2.44 | Individual | Pittsburgh | Activity in WOUS | 127 |
| N4 | PEM | -78.7043, 40.4508 | 050100070501 | Open Cut | 45 | 0.045 | - | - | - | RTE Plant | 28/2.44  WL-N4-Layout1 | Individual | Pittsburgh | Activity in WOUS | 134 |
| N5 | PEM | -78.7006, 40.4519 | 050100070501 | Open Cut | 27 | 0.022 | - | - | - | n/a | 28/2.45 | Individual | Pittsburgh | Activity in WOUS | 139 |
| N6 | PEM | -78.7007, 40.4515 | 050100070501 | Open Cut | - | 0.008 | - | - | - | n/a | 28/2.45 | Individual | Pittsburgh | Activity in WOUS | 138 |
| N8 | PEM | -78.6566, 40.4526 | 050100070502 | Open Cut | 136 | 0.093 | - | - | - | n/a | 33/2.53 | Individual | Pittsburgh | Activity in WOUS | 169 |
| N9 | PEM | -78.6593, 40.4526 | 050100070502 | Open Cut | 131 | 0.139 | - | - | - | n/a | 33/2.52 | Individual | Pittsburgh | Activity in WOUS | 166 |
| N10 | PEM | -78.6610, 40.4525 | 050100070502 | Open Cut | 48 | 0.035 | - | - | - | n/a | 33/2.52  S-N21\_S-N22-Layout1 | Individual | Pittsburgh | Activity in WOUS | 165 |
| N11 | PEM | -78.6624, 40.4525 | 050100070502 | Open Cut | 23 | 0.026 | - | - | - | n/a | 33/2.52 | Individual | Pittsburgh | Activity in WOUS | 162 |
| N12 | PEM | -78.6667, 40.4525 | 050100070501 | Open Cut | 89 | 0.074 | - | - | - | n/a | 32/2.51 | Individual | Pittsburgh | Activity in WOUS | 157 |
| N14 | PEM | -78.6686, 40.4525 | 050100070501 | Open Cut | - | 0.002 | - | - | - | n/a | 32/2.51 | Individual | Pittsburgh | Activity in WOUS | 156 |
| N15 | PEM | -78.6714, 40.4525 | 050100070501 | Open Cut | 125 | 0.056 | - | - | - | n/a | 32/2.5 | Individual | Pittsburgh | Activity in WOUS | 155 |
| N17 | PEM | -78.6791, 40.4526 | 050100070501 | Open Cut | 88 | 0.048 | - | - | - | n/a | 31/2.49 | Individual | Pittsburgh | Activity in WOUS | 150 |
| N18 | PEM | -78.6847, 40.4528 | 050100070501 | HDD/Travel Lane | 249 | 0.253 | 0.004 | - | - | n/a | 30/2.48  PA-CA-0069.0000-RD & -16 | Individual | Pittsburgh | Activity in WOUS | 148 |
| PFO | -78.6848, 40.4525 | 050100070501 | HDD | 215 | 0.015 | - | - | - | n/a | 30/2.48  PA-CA-0069.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 148 |
| N20 | PEM | -78.8625, 40.4154 | 050100071001 | HDD | 496 | 0.034 | - | - | - | n/a | 10/2.16  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 39 |
| PFO | -78.8635, 40.4157 | 050100071001 | HDD | 309 | 0.021 | - | - | - | n/a | 10/2.16  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 39 |
| N24 | PEM | -78.8668, 40.4158 | 050100071001 | HDD | 265 | 0.018 | - | - | - | n/a | 10/2.16  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 37 |
| PFO | -78.8665, 40.4159 | 050100071001 | HDD | 163 | 0.011 | - | - | - | n/a | 10/2.16  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 37 |
| N25 | PSS | -78.8724, 40.4162 | 050100071001 | HDD/Travel Lane | 61 | 0.011 | - | - | - | n/a | 9/2.15  PA-CA-0016.0000-RD & -16 | Individual | Pittsburgh | Activity in WOUS | 35 |
| N26 | PEM | -78.8729, 40.4165 | 050100071001 | HDD/Travel Lane | 227 | 0.097 | - | - | - | n/a | 9/2.15  PA-CA-0016.0000-RD & -16 | Individual | Pittsburgh | Activity in WOUS | 32 |
| PSS | -78.7830, 40.4162 | 050100071001 | HDD | 74 | 0.005 | - | - | - | n/a | 9/2.15  PA-CA-0016.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 32 |
| N27 | PEM | -78.8743, 40.4164 | 050100071001 | HDD/Travel Lane | 123 | 0.027 | - | - | - | n/a | 9/2.14  PA-CA-0016.0000-RD & -16 | Individual | Pittsburgh | Activity in WOUS | 31 |
| N29 | PFO | -78.8847, 40.4193 | 050100071001 | Open Cut | 33 | 0.039 | - | - | 0.039 | Wild Trout | 8/2.13  WL-N29-Layout1 | Individual | Pittsburgh | Activity in WOUS | 29 |
| N30 | PEM | -78.8974, 40.4210 | 050100071001 | Open Cut | 22 | 0.011 | - | - | - | Wild Trout | 7/2.1  WL-N30\_S-N51\_S-N52-Layout1 | Individual | Pittsburgh | Activity in WOUS | 21 |
| N31 | PEM | -78.8980, 40.4211 | 050100071001 | Open Cut | 103 | 0.025 | - | - | - | n/a | 7/2.1  S-N49\_S-N50-Layout1 | Individual | Pittsburgh | Activity in WOUS | 18 |
| N33 | PEM | -78.9061, 40.4222 | 050100071001 | Open Cut | 238 | 0.183 | - | - | - | Wild Trout | 6/2.09  WL-N33-Layout1 | Individual | Pittsburgh | Activity in WOUS | 14 |
| O1 | PEM | -78.6275, 40.4537 | 050100070502 | Open Cut | 46 | 0.047 | - | - | - | n/a | 36/2.58 | Individual | Pittsburgh | Activity in WOUS | 191 |
| O2 | PEM | -78.6365, 40.4531 | 050100070502 | Open Cut | 386 | 0.390 | - | - | - | n/a | 35/2.56 | Individual | Pittsburgh | Activity in WOUS | 186 |
| O3 | PEM | -78.6397, 40.4528 | 050100070502 | Open Cut | 42 | 0.049 | - | - | - | n/a | 35/2.55 | Individual | Pittsburgh | Activity in WOUS | 184 |
| O4 | PEM | -78.6428, 40.4527 | 050100070502 | Open Cut | 59 | 0.027 | - | - | - | n/a | 35/2.55 | Individual | Pittsburgh | Activity in WOUS | 181 |
| O5 | PEM | -78.6475, 40.4527 | 050100070502 | Open Cut | 67 | 0.055 | - | - | - | n/a | 34/2.54 | Individual | Pittsburgh | Activity in WOUS | 176 |
| O6 | PEM | -78.6507, 40.4527 | 050100070502 | Open Cut | 39 | 0.018 | - | - | - | n/a | 34/2.54 | Individual | Pittsburgh | Activity in WOUS | 172 |
| O8 | PEM | -78.7210, 40.4471 | 050100070501 | Open Cut | 81 | 0.050 | - | - | - | n/a | 26/2.41 | Individual | Pittsburgh | Activity in WOUS | 120 |
| O9 | PEM | -78.7231, 40.4465 | 050100070501 | Open Cut | 41 | 0.073 | - | - | - | n/a | 26/2.41 | Individual | Pittsburgh | Activity in WOUS | 115 |
| O10 | PEM | -78.7244, 40.4464 | 050100070501 | Open Cut | 5 | 0.003 | - | - | - | n/a | 26/2.41 | Individual | Pittsburgh | Activity in WOUS | 114 |
| O12 | PEM | -78.7304, 40.4450 | 050100070501 | Open Cut | - | 0.003 | - | - | - | n/a | 25/2.4 | Individual | Pittsburgh | Activity in WOUS | 113 |
| O15 | PEM | -78.7523, 40.4403 | 050100070501 | Open Cut | 49 | 0.019 | - | - | - | n/a | 23/2.36 | Individual | Pittsburgh | Activity in WOUS | 104 |
| O16 | PEM | -78.8155, 40.4252 | 050100070503 | Open Cut | 79 | 0.066 | - | - | - | Wild Trout | 15/2.25  WL-O16-Layout1 | Individual | Pittsburgh | Activity in WOUS | 77 |
| O17 | PEM | -78.8068, 40.4272 | 050100070503 | Bore/Travel Lane | 119 | 0.133 | - | - | - | n/a | 16/2.26  PPP-PA-CA-0043.0000-AR | Individual | Pittsburgh | Activity in WOUS | 78 |
| PFO | -78.8072, 40.4270 | 050100070503 | Bore | 87 | 0.006 | - | - | - | n/a | 16/2.26  PPP-PA-CA-0043.0000-AR | Individual | Pittsburgh | Non-jurisdictional | 78 |
| O20 | PEM | -78.8349, 40.4207 | 050100070503 | Open Cut | 30 | 0.014 | - | - | - | Wild Trout | 13/2.21  WL-O20-Layout1 | Individual | Pittsburgh | Activity in WOUS | 55 |
| PSS | -78.8350, 40.4209 | 050100070503 | Open Cut | 40 | 0.042 | - | - | - | Wild Trout | 13/2.21  WL-O20-Layout1 | Individual | Pittsburgh | Activity in WOUS | 55 |
| O21 | PEM | -78.8399, 40.4196 | 050100070503 | Open Cut | 125 | 0.120 | - | - | - | n/a | 13/2.2 | Individual | Pittsburgh | Activity in WOUS | 54 |
| O23 | PEM | -78.8413, 40.4194 | 050100070503 | Open Cut | 140 | 0.145 | - | - | - | n/a | 13/2.2 | Individual | Pittsburgh | Activity in WOUS | 53 |
| O24 | PEM | -78.8463, 40.4185 | 050100071001 | Open Cut | - | 0.002 | - | - | - | n/a | 12/2.19 | Individual | Pittsburgh | Activity in WOUS | 50 |
| O25 | PEM | -78.8484, 40.4176 | 050100071001 | Open Cut | 89 | 0.080 | - | - | - | n/a | 12/2.19 | Individual | Pittsburgh | Activity in WOUS | 49 |
| O27 | PEM | -78.8499, 40.4174 | 050100071001 | Open Cut | 119 | 0.115 | - | - | - | n/a | 12/2.19 | Individual | Pittsburgh | Activity in WOUS | 48 |
| O35 | PSS | 78.8606, 40.4156 | 050100071001 | HDD | 58 | 0.004 | - | - | - | n/a | 10/2.17  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 44 |
| O37 | PEM | -78.8176, 40.4247 | 050100070503 | Open Cut | 50 | 0.022 | - | - | - | Wild Trout | 15/2.24  WL-O37\_S-O30\_S-O31\_S-O48\_S-O45-Layout1 | Individual | Pittsburgh | Activity in WOUS | 76 |
| O42 | PEM | -78.8236, 40.4232 | 050100070503 | Open Cut | 43 | 0.046 | - | - | - | Wild Trout | 14/2.23  WL-O42-Layout1 | Individual | Pittsburgh | Activity in WOUS | 62 |
| Q49 | PEM | -78.5621, 40.3998 | 020503020201 | Temporary Matting | - | - | 0.010 | - | - | n/a | 50/2.76 | Individual | Baltimore | Activity in WOUS | 249 |
| Q50 | PEM | -78.5580, 40.4057 | 020503020201 | Temporary Matting | - | - | 0.005 | - | - | n/a | 49/2.76 | Individual | Baltimore | Activity in WOUS | 250 |
| Q51 | PEM | -78.5569, 40.4064 | 020503020201 | Temporary Matting | - | - | 0.016 | - | - | n/a | 49/3.01 | Individual | Baltimore | Activity in WOUS | 251 |
| Q65 | PEM | -78.5573, 40.4086 | 020503020201 | Open Cut | 27 | 0.011 | - | - | - | n/a | 48/3.01 | Individual | Baltimore | Activity in WOUS | 247 |
|  | | | **88 Wetlands** | **82 Temp. Crossings** | **9,124 feet**  **1.728 miles** | **4.626 acres** | **0.274 acre** | **0 acre** | **0.092 acre** |  | | | | | |

\ &W72n s odd; no acres in CROW but there is temp disturbance.d out if indeed being avoided Notes:

1 All open cut wetlands will also require a temporary road crossing (using wetland matting) placed on the travel lane within the workspace limits. HDD areas will not be traveled through unless “Travel Only” is indicated. Travel Only areas are HDD crossings where travel through with equipment is necessary to facilitate installation. Wetland matting will be placed along the Travel Only lane in these cases and the impact is presented in the Permanent and Temporary Impact columns. “Clearing Only” areas are areas between HDD exit and entry points where clearing of the trees is planned to maximize aerial inspection of the line to meet Department of Transportation regulations. “Temporary Matting” is the crossing method used when wetlands are crossed by temporary access roads.

2 Field classification based on Cowardin et al. 1979. PEM = palustrine emergent wetland, PSS = palustrine scrub-shrub wetland, PFO = palustrine forested wetland.

3 Additional crossing details can be found in Attachment 12 which includes the Project’s Erosion and Sediment Control Plan; Additional site-specific drawings (HDD, bore, and site-specific open-cut) can be found in Attachment 7.

4 A zero length of centerline crossing indicates the wetland is located in the construction right-of-way but is not directly crossed by the pipeline centerlines.

5 Permanent impacts are those areas affected by a water obstruction or encroachment that consist of both direct and indirect impacts that result from the placement or construction of a water obstruction or encroachment and include areas necessary for the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into the wetland. Permanent disturbance impacts at HDD crossings are calculated on the width of the pipes multiplied by the length of the wetland crossing.

6Temporary impacts are those areas affected during the construction of a water obstruction or encroachment that consists of both direct and indirect impacts located in, along or across, or projecting into a watercourse, floodway or body of water that are restored upon completion of construction. This does not include areas that will be maintained as a result of the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into the wetland. These areas consist of additional temporary workspaces and temporary access roads.

7 Loss of wetland acreages due to permanent fill.

8 For PSS located in the permanent and temporary disturbance areas, these areas will be replanted with wetland shrubs in accordance with the wetland restoration and mitigation plan (Attachment 18).  PFO located in temporary disturbance areas will be replanted with wetland tree species in accordance with the wetland restoration and mitigation plan (Attachment 18).  PFO located in the permanent ROW will be restored to the wetland condition, however PFO habitat is expected to be permanently converted to PEM habitat in these areas.

**Table 3. Waterbody Impact Summary for the Pennsylvania Pipeline Project (PPP) – Cambria County – 5/24/2016**

| **Stream ID** | **Stream Name** | **Coordinates** | **Flow Regime** | **Bank to Bank Width (feet)** | **Length of Centerline Stream Crossing at HDD/Bore1** | **Stream Disturbance Length in ROW (feet)2** | | | **Crossing Method3,4** | **Stream Permanent Impact (square feet)5** | **Stream Temporary Impact (square feet)5** | **PADEP Permanent Floodway Impact (acre)6** | **PADEP Temporary Floodway Disturbance (acre)7** | **Ch. 93 Designated Use8** | **PAFBC Stream Designation9** | **Site Plan/E&S Plan/HDD Sheet Number** | **Permit10** | **USACE District** | **USACE Section 10/404 Activity** | **Fee Crossing Reference Number** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Perm.** | **Temp.** | **Total** |
| S-BB61 | UNT to Findley Run | -78.9389, 40.4243 | Perennial | 16 | *-* | *-* | *24* | 24 | Temporary Bridge | - | 384 | - | 0.076 | HQ-CWF | Drains to TNR | 2/2.03 | Individual | Pittsburgh | Non-jurisdictional | 7 |
| S-BB64 | UNT to North Branch | -78.6879, 40.4505 | Perennial | 8 | *-* | *-* | *-* | - | Floodway Crossing | - | - | - | 0.039 | CWF | Drains to STS, ATW | 30/2.47 | Individual | Pittsburgh | Non-jurisdictional | 145 |
| S-BB112 | UNT to Little Conemaugh River | -78.5959, 40.4458 | Perennial | 3.5 | *-* | *45* | *-* | 45 | Dry Crossing | 157.5 | - | 0.121 | 0.023 | Drains to CWF | n/a | 41/2.64 | Individual | Pittsburgh | Activity in WOUS | 205 |
| S-BB114 | UNT to Little Conemaugh River | -78.5949, 40.4458 | Perennial | 12 | *-* | *60* | *-* | 60 | Dry Crossing | 720 | - | 0.165 | - | CWF | n/a | 41/2.64 | Individual | Pittsburgh | Activity in WOUS | 208 |
| S-BB115 | UNT to Little Conemaugh River | -78.5944, 40.4459 | Perennial | 3.5 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | n/a | 41/2.64 | Individual | Pittsburgh | Non-jurisdictional | 209 |
| S-BB116 | UNT to Little Conemaugh River | -78.5951, 40.4441 | Perennial | 3 | *-* | *56* | *-* | 56 | Bore/ Temporary Bridge | 168 | - | 0.124 | 0.016 | Drains to CWF | n/a | 41/2.65  PA-CA-0091.0000-RD | Individual | Pittsburgh | Non-jurisdictional | 214 |
| S-BB117 | UNT to Little Conemaugh River | -78.5958, 40.4434 | Perennial | 3 | *-* | *29* | *-* | 29 | Dry Crossing | 87 | - | 0.136 | 0.010 | Drains to CWF | n/a | 41/2.65 | Individual | Pittsburgh | Activity in WOUS | 216 |
| S-CC1 | UNT to Stewart Run | -78.7635, 40.4370 | Ephemeral | 2 | *-* | *60* | *-* | 60 | Bore/ Temporary Bridge | 120 | - | 0.135 | 0.028 | Drains to HQ-CWF | Drains to TNR | 22/2.34  PPP-PA-CA-0047.0000-RD | Individual | Pittsburgh | Non-jurisdictional | 102 |
| S-CC2 | UNT to Stewart Run | -78.7640, 40.4370 | Ephemeral | 2 | *2* | *3* | *-* | 3 | Bore | 6 | - | 0.008 | - | Drains to HQ-CWF | Drains to TNR | 22/2.34  PPP-PA-CA-0047.0000-RD | Individual | Pittsburgh | Non-jurisdictional | 101 |
| S-CC3 | UNT to Stewart Run | -78.7655, 40.4370 | Intermittent | 2 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.083 | - | Drains to HQ-CWF | Drains to STS, STW, TNR | 22/2.34 | Individual | Pittsburgh | Non-jurisdictional | 99 |
| S-CC4 | Stewart Run | -78.7815, 40.4328 | Perennial | 15 | *-* | *53* | *-* | 53 | Dry Crossing | 795 | - | 0.462 | 0.174 | HQ-CWF | TNR | 19/2.31  WL-CC6\_WL-CC7-Layout1 | Individual | Pittsburgh | Activity in WOUS | 84 |
| S-CC5 | UNT to Stewart Run | -78.7819, 40.4331 | Perennial | 4 | *-* | *57* | *-* | 57 | Dry Crossing | 228 | - | Drains to HQ-CWF | Drains to TNR | 19/2.31  WL-CC6\_WL-CC7-Layout1 | Individual | Pittsburgh | Activity in WOUS | 85 |
| S-CC6 | UNT to Stewart Run | -78.7812, 40.4330 | Intermittent | 6 | *-* | *80* | *-* | 80 | Dry Crossing | 480 | - | HQ-CWF | Drains to TNR | 19/2.31  WL-CC6\_WL-CC7-Layout1 | Individual | Pittsburgh | Activity in WOUS | 86 |
| S-CC7 | UNT to Stewart Run | -78.7763, 40.4339 | Perennial | 20 | *-* | *137* | *-* | 137 | Dry Crossing | 2,740 | - | 0.264 | 0.141 | HQ-CWF | Drains to TNR | 19/2.32 | Individual | Pittsburgh | Activity in WOUS | 88 |
| S-CC8 | UNT to Stewart Run | -78.7694, 40.4355 | Perennial | 5 | *-* | *32* | *-* | 32 | HDD/Travel Lane | 160 | - | 0.149 | - | Drains to HQ-CWF | Drains to STS, ATW | 20/2.33  PA-CA-0047.0000-SR & -16 | Individual | Pittsburgh | Non-jurisdictional | 98 |
| S-K25 | UNT to Little Conemaugh River | -78.6134, 40.4528 | Ephemeral | 5 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.077 | 0.025 | Drains to CWF | n/a | 38/2.6 | Individual | Pittsburgh | Non-jurisdictional | 194 |
| S-K26 | UNT to Little Conemaugh River | -78.6117, 40.4525 | Intermittent | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.001 | - | Drains to CWF | n/a | 38/2.6 | PA-DEP Waived | Pittsburgh | Non-jurisdictional | 196 |
| S-K27 | UNT to Little Conemaugh River | -78.6110, 40.4513 | Perennial | 12 | *-* | *53* | *-* | 53 | Dry Crossing | 636 | - | 0.298 | 0.048 | Drains to CWF | n/a | 38/2.6  S-K27\_S-K29-Layout1 | Individual | Pittsburgh | Activity in WOUS | 197 |
| S-K28 | UNT to Little Conemaugh River | -78.6116, 40.4524 | Ephemeral | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.112 | 0.003 | Drains to CWF | n/a | 38/2.6 | PA-DEP Waived | Pittsburgh | Non-jurisdictional | 198 |
| S-K29 | UNT to Little Conemaugh River | -78.6114, 40.4523 | Ephemeral | 2 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | n/a | 38/2.6 | PA-DEP Waived | Pittsburgh | Non-jurisdictional | 199 |
| S-K30 | UNT to Little Conemaugh River | -78.6111, 40.4520 | Ephemeral | 3 | *-* | *53* | *-* | 53 | Dry Crossing | 159 | - | Drains to CWF | n/a | 38/2.6  S-K27\_S-K29-Layout1 | PA-DEP Waived | Pittsburgh | Activity in WOUS | 200 |
| S-K31 | UNT to Little Conemaugh River | -78.6108, 40.4519 | Ephemeral | 3 | *-* | *56* | *-* | 56 | Dry Crossing | 168 | - | Drains to CWF | n/a | 38/2.6  S-K27\_S-K29-Layout1 | PA-DEP Waived | Pittsburgh | Activity in WOUS | 201 |
| S-K32 | UNT to Little Conemaugh River | -78.6044, 40.4492 | Intermittent | 3 | *-* | *-* | *-* | - | HDD Floodway | - | - | 0.215 | - | Drains to CWF | n/a | 39/2.62  PA-CA-0089.0000-RR & 16 | Individual | Pittsburgh | Non-jurisdictional | 203 |
| S-K33 | Little Conemaugh River | -78.6059, 40.4495 | Perennial | 12 | *12* | *3* | *-* | 3 | HDD | 36 | - | CWF | n/a | 38/2.62  PA-CA-0089.0000-RR & -16 | Individual | Pittsburgh | Non-jurisdictional | 204 |
| S-L90 | UNT to Bear Rock Run | -78.5744, 40.4195 | Ephemeral | 3 | *-* | *31* | *-* | 31 | Dry Crossing | 93 | - | 0.142 | 0.051 | Drains to CWF | Drains to TNR | 46/2.71 | Individual | Pittsburgh | Activity in WOUS | 240 |
| S-L91 | UNT to Bear Rock Run | -78.5761, 40.4206 | Ephemeral | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.001 | - | Drains to CWF | Drains to TNR | 45/2.71 | Individual | Pittsburgh | Non-jurisdictional | 239 |
| S-L92 | UNT to Bear Rock Run | -78.5803, 40.4253 | Perennial | 4 | *-* | *24* | *-* | 24 | Bore/Travel Lane | 96 | - | 0.094 | 0.045 | Drains to CWF | Drains to TNR | 44/2.69  PPP-PA-CA-0091.0011-AR | Individual | Pittsburgh | Non-jurisdictional | 228 |
| S-M81 | UNT to Blair Run | -78.5650, 40.4130 | Intermittent | 3 | *-* | *-* | *-* | - | HDD Floodway | - | - | 0.050 | - | Drains to CWF | n/a | 47/2.73  PA-CA-0091.0016-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 242 |
| S-M82 | UNT to Bear Rock Run | -78.5764, 40.4210 | Ephemeral | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.064 | 0.010 | Drains to CWF | Drains to TNR | 45/2.71 | Individual | Pittsburgh | Non-jurisdictional | 237 |
| S-M83 | UNT to Bear Rock Run | -78.5787, 40.4237 | Perennial | 7 | *-* | *58* | *-* | 58 | Dry Crossing | 406 | - | 0.143 | 0.028 | Drains to CWF | Drains to TNR | 45/2.7 | Individual | Pittsburgh | Activity in WOUS | 230 |
| S-BB53 | UNT to Bear Rock Run | -78.5787, 40.4236 | Intermittent | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to TNR | 45/2.7 | Individual | Pittsburgh | Non-jurisdictional | 231 |
| S-M84 | UNT to Bear Rock Run | -78.5783, 40.4229 | Ephemeral | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.229 | 0.111 | Drains to CWF | Drains to TNR | 45/2.7 | Individual | Pittsburgh | Non-jurisdictional | 233 |
| S-BB54 | UNT to Bear Rock Run | -78.5778, 40.4231 | Perennial | 6 | *-* | *93* | *-* | 93 | Dry Crossing | 558 | - | Drains to CWF | Drains to TNR | 45/2.7 | Individual | Pittsburgh | Activity in WOUS | 234 |
| S-BB56 | UNT to Bear Rock Run | -78.5777, 40.4226 | Intermittent | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to TNR | 45/2.7 | Individual | Pittsburgh | Non-jurisdictional | 235 |
| S-M86 | UNT to Burgoon Run | -78.5862, 40.4320 | Ephemeral | 1 | *-* | *54* | *-* | 54 | Dry Crossing | 54 | - | 0.126 | 0.049 | Drains to CWF | n/a | 43/2.68 | PADEP-Waived | Pittsburgh | Activity in WOUS | 225 |
| S-M90 | Burgoon Run | -78.5877, 40.4350 | Perennial | 12 | *-* | *135* | *-* | 135 | Dry Crossing | 1,620 | - | 0.269 | 0.105 | CWF | n/a | 43/2.67 | Individual | Pittsburgh | Activity in WOUS | 220 |
| S-M91 | UNT to Burgoon Run | -78.5892, 40.4374 | Ephemeral | 4 | *-* | *-* | *-* | - | Bore Floodway | - | - | 0.105 | 0.072 | Drains to CWF | n/a | 42/2.66 | PADEP-Waived | Pittsburgh | Non-jurisdictional | 219 |
| S-M92 | UNT to Little Conemaugh River | -78.5961, 40.4421 | Perennial | 12 | *-* | *56* | *-* | 56 | Dry Crossing | 672 | - | 0.140 | 0.038 | CWF | n/a | 41/2.65 | Individual | Pittsburgh | Activity in WOUS | 218 |
| S-M94 | UNT to Little Conemaugh River | -78.5963, 40.4428 | Intermittent | 5 | *-* | *50* | *-* | 50 | Dry Crossing | 250 | - | 0.122 | - | Drains to CWF | n/a | 41/2.65 | Individual | Pittsburgh | Activity in WOUS | 217 |
| S-N1 | UNT to Howells Run | -78.7125, 40.4489 | Intermittent | 6 | *6* | *26* | *-* | 26 | Bore/Travel Lane | 156 | - | 0.155 | 0.026 | Drains to CWF | Drains to STS, ATW | 27/2.43  PPP-PA-CA-0065.0000-AR | Individual | Pittsburgh | Non-jurisdictional | 124 |
| S-N2 | UNT to Howells Run | -78.7122, 40.4488 | Intermittent | 5 | *5* | *3* | *-* | 3 | Bore | 15 | - | Drains to CWF | Drains to STS, ATW | 27/2.43  PPP-PA-CA-0065.0000-AR | Individual | Pittsburgh | Non-jurisdictional | 125 |
| S-N3 | UNT to Howells Run | -78.7123, 40.4489 | Ephemeral | 3 | *-* | *-* | *-* | - | Bore Floodway | - | - | Drains to CWF | Drains to STS, ATW | 27/2.43 | Individual | Pittsburgh | Non-jurisdictional | 126 |
| S-N4 | UNT to Howells Run | -78.7085, 40.4497 | Ephemeral | 2 | *-* | *17* | *-* | 17 | Dry Crossing | 34 | - | 0.235 | 0.026 | Drains to CWF | Drains to STS, ATW | 28/2.44 | Individual | Pittsburgh | Activity in WOUS | 128 |
| S-N5 | UNT to Howells Run | -78.7083, 40.4497 | Ephemeral | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS, ATW | 28/2.44 | Individual | Pittsburgh | Non-jurisdictional | 129 |
| S-N6 | UNT to Howells Run | -78.708, 40.4498 | Ephemeral | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS, ATW | 28/2.44 | Individual | Pittsburgh | Non-jurisdictional | 130 |
| S-N7 | UNT to Howells Run | -78.7071, 40.4499 | Intermittent | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.003 | 0.027 | Drains to CWF | Drains to STS, ATW | 28/2.44 | Individual | Pittsburgh | Non-jurisdictional | 131 |
| S-N8 | UNT to Howells Run | -78.7066, 40.4502 | Ephemeral | 3 | *-* | *5* | *-* | - | Dry Crossing | 15 | - | 0.113 | 0.049 | Drains to CWF | Drains to STS, ATW | 28/2.44 | Individual | Pittsburgh | Activity in WOUS | 132 |
| S-N9 | UNT to Howells Run | -78.7058, 40.4503 | Ephemeral | 5 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.000 | 0.038 | Drains to CWF | Drains to STS, ATW | 28/2.44 | Individual | Pittsburgh | Non-jurisdictional | 133 |
| S-N10 | UNT to Howells Run | -78.7044, 40.4509 | Perennial | 6 | *-* | *65* | *-* | 65 | Dry Crossing | 390 | - | 0.144 | 0.024 | CWF | Drains to STS, ATW | 28/2.44  WL-N4-Layout1 | Individual | Pittsburgh | Activity in WOUS | 135 |
| S-N11 | UNT to Howells Run | -78.7048, 40.4510 | Intermittent | 5 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS, ATW | 28/2.44 | Individual | Pittsburgh | Non-jurisdictional | 136 |
| S-N12 | UNT to Howells Run | -78.7048, 40.4511 | Ephemeral | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS, ATW | 28/2.44 | Individual | Pittsburgh | Non-jurisdictional | 137 |
| S-N13 | UNT to Howells Run | -78.7005, 40.4519 | Perennial | 10 | *-* | *52* | *-* | 52 | Dry Crossing | 520 | - | 0.169 | 0.024 | CWF | Drains to STS, ATW | 28/2.45 | Individual | Pittsburgh | Activity in WOUS | 140 |
| S-N14 | UNT to Howells Run | -78.7008, 40.4520 | Perennial | 6 | *-* | *2* | *-* | 2 | Dry Crossing | 12 | - | Drains to CWF | Drains to STS, ATW | 28/2.45 | Individual | Pittsburgh | Activity in WOUS | 141 |
| S-N15 | UNT to North Branch | -78.6885, 40.4527 | Ephemeral | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.344 | - | Drains to CWF | Drains to STS, ATW | 30/2.47 | Individual | Pittsburgh | Non-jurisdictional | 142 |
| S-N16 | UNT to North Branch | -78.688, 40.4528 | Intermittent | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS, ATW | 30/2.47 | Individual | Pittsburgh | Non-jurisdictional | 143 |
| S-N17 | UNT to North Branch | -78.6877, 40.4526 | Perennial | 6 | *-* | *54* | *-* | 54 | Dry Crossing | 324 | - | Drains to CWF | Drains to STS, ATW | 30/2.47 | Individual | Pittsburgh | Activity in WOUS | 144 |
| S-N18 | UNT to Noels Creek | -78.6566, 40.4524 | Intermittent | 5 | *-* | *47* | *-* | 47 | Dry Crossing | 235 | - | 0.119 | 0.009 | Drains to HQ-CWF | Drains to STS | 33/2.53 | Individual | Pittsburgh | Activity in WOUS | 148 |
| S-N19 | UNT to Noels Creek | -78.6591, 40.4522 | Intermittent | 7 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.037 | 0.028 | Drains to HQ-CWF | Drains to STS | 33/2.52 | Individual | Pittsburgh | Non-jurisdictional | 167 |
| S-N20 | UNT to Noels Creek | -78.6595, 40.4522 | Ephemeral | 2 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to STS | 33/2.52 | Individual | Pittsburgh | Non-jurisdictional | 168 |
| S-N21 | UNT to Noels Creek | -78.6611, 40.4525 | Perennial | 5 | *-* | *57* | *-* | 57 | Dry Crossing | 285 | - | 0.267 | 0.072 | Drains to HQ-CWF | Drains to STS | 33/2.52  S-N21\_S-N22-Layout1 | Individual | Pittsburgh | Activity in WOUS | 163 |
| S-N22 | UNT to Noels Creek | -78.6613, 40.4524 | Intermittent | 4 | *-* | *85* | *-* | 85 | Dry Crossing | 340 | - | Drains to HQ-CWF | Drains to STS | 33/2.52  S-N21\_S-N22-Layout1 | Individual | Pittsburgh | Activity in WOUS | 164 |
| S-N25 | UNT to North Branch Little Conemaugh River | -78.6666, 40.4526 | Intermittent | 5 | *-* | *56* | *-* | 56 | Dry Crossing | 280 | - | 0.269 | 0.034 | Drains to CWF | Drains to STS, ATW | 32/2.51 | Individual | Pittsburgh | Activity in WOUS | 159 |
| S-N26 | UNT to North Branch | -78.6665, 40.4526 | Ephemeral | 3 | *-* | *51* | *-* | 51 | Dry Crossing | 153 | - | Drains to CWF | Drains to STS, ATW | 32/2.51 | Individual | Pittsburgh | Activity in WOUS | 160 |
| S-N28 | UNT to North Branch Little Conemaugh River | -78.6669, 40.4524 | Intermittent | 3 | *-* | *55* | *-* | 55 | Dry Crossing | 165 | - | Drains to CWF | Drains to STS, ATW | 32/2.51 | Individual | Pittsburgh | Activity in WOUS | 161 |
| S-N27 | UNT to North Branch Little Conemaugh River | -78.6661, 40.4526 | Perennial | 6 | *-* | *9* | *-* | 9 | Dry Crossing | 54 | - | 0.118 | 0.048 | Drains to CWF | Drains to STS, ATW | 32/2.51 | Individual | Pittsburgh | Activity in WOUS | 158 |
| S-N29 | UNT to North Branch Little Conemaugh River | -78.6716, 40.4524 | Perennial | 10 | *-* | *22* | *-* | 22 | Dry Crossing | 220 | - | 0.092 | 0.024 | Drains to CWF | Drains to STS, ATW | 32/2.5 | Individual | Pittsburgh | Activity in WOUS | 153 |
| S-N30 | UNT to North Branch Little Conemaugh River | -78.6716, 40.4526 | Perennial | 10 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS, ATW | 32/2.5 | Individual | Pittsburgh | Non-jurisdictional | 154 |
| S-N31 | UNT to North Branch Little Conemaugh River | -78.6768, 40.4528 | Intermittent | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.014 | - | Drains to CWF | Drains to STS, ATW | 31/2.49 | Individual | Pittsburgh | Non-jurisdictional | 151 |
| S-N32 | UNT to North Branch Little Conemaugh River | -78.6769, 40.4528 | Ephemeral | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS, ATW | 31/2.49 | Individual | Pittsburgh | Non-jurisdictional | 152 |
| S-N33 | UNT to North Branch Little Conemaugh River | -78.6796, 40.4524 | Perennial | 15 | *-* | *79* | *-* | 79 | Dry Crossing | 1,185 | - | 0.229 | 0.058 | Drains to CWF | Drains to STS, ATW | 31/2.49 | Individual | Pittsburgh | Activity in WOUS | 149 |
| S-N34 | North Branch Little Conemaugh River | -78.6852, 40.4525 | Perennial | 15 | *40* | *33* | *-* | 33 | HDD/Travel Lane | 615 | - | 0.145 | - | CWF | STS, ATW | 30/2.48  PA-CA-0069.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 147 |
| S-N36 | UNT to Hinckston Run | -78.8630, 40.4150 | Perennial | 3 | *3* | *3* | *-* | 3 | HDD | 9 | - | 0.008 | - | Drains to CWF | Drains to STS, ATW | 10/2.16  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 40 |
| S-N39 | Hinckston Run | -78.8660, 40.4160 | Perennial | 17 | *23* | *3* | *-* | 3 | HDD | 69 | - | 0.011 | - | CWF | Drains to STS | 10/2.16  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 38 |
| S-N40 | UNT to Hinckston Run | -78.8670, 40.4160 | Ephemeral | 4 | *-* | *-* | *-* | - | HDD Floodway | - | - | 0.006 | - | Drains to CWF | Drains to STS, ATW | 10/2.16  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 36 |
| S-N41 | UNT to Hinckston Run | -78.8723, 40.4163 | Intermittent | 2 | *-* | *24* | *-* | 24 | HDD/Travel Lane | 48 | - | 0.076 | 0.054 | Drains to CWF | Drains to STS, ATW | 9/2.15  PA-CA-0016.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 34 |
| S-N42 | UNT to Hinckston Run | -78.8732, 40.4164 | Intermittent | 2 | *2* | *3* | *-* | 3 | HDD/ Floodway Crossing | 6 | - | 0.050 | - | Drains to CWF | Drains to STS, ATW | 9/2.15  PA-CA-0016.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 33 |
| S-N43 | UNT to Hinckston Run | -78.8772, 40.4173 | Ephemeral | 3 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.001 | - | Drains to CWF | Drains to STS | 9/2.14 | Individual | Pittsburgh | Non-jurisdictional | 30 |
| S-N45 | UNT to Laurel Run | -78.8846, 40.4194 | Perennial | 6 | *-* | *53* | *-* | 53 | Dry Crossing | 318 | - | 0.333 | 0.150 | Drains to HQ-CWF | Drains to TNR | 8/2.13  WL-N29-Layout1 | Individual | Pittsburgh | Activity in WOUS | 25 |
| S-N46 | UNT to Laurel Run | -78.8851, 40.4196 | Perennial | 18 | *-* | *50* | *-* | 50 | Dry Crossing | 900 | - | HQ-CWF | Drains to TNR | 8/2.13 | Individual | Pittsburgh | Activity in WOUS | 26 |
| S-N47 | Laurel Run | -78.8851, 40.4192 | Ephemeral | 5 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to ATW, TNR | 8/2.13 | Individual | Pittsburgh | Non-jurisdictional | 27 |
| S-Q56 | Laurel Run | -78.8846, 40.4198 | Perennial | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | HQ-CWF | TNR, STS, ATW | 8/2.13 | Individual | Pittsburgh | Non-jurisdictional | 28 |
| S-N48 | UNT to Laurel Run | -78.8877, 40.4197 | Perennial | 10 | *-* | *70* | *-* | 70 | Dry Crossing | 700 | - | 0.226 | 0.070 | Drains to HQ-CWF | Drains to TNR | 8/2.12 | Individual | Pittsburgh | Activity in WOUS | 24 |
| S-N49 | UNT to Laurel Run | -78.8960, 40.4207 | Perennial | 6 | *-* | *77* | *-* | 77 | Dry Crossing | 462 | - | 0.250 | 0.053 | Drains to HQ-CWF | Drains to TNR | 7/2.11  S-N49\_S-N50-Layout1 | Individual | Pittsburgh | Activity in WOUS | 22 |
| S-N50 | UNT to Laurel Run | -78.8962, 40.4208 | Ephemeral | 5 | *-* | *83* | *-* | 83 | Dry Crossing | 415 | - | Drains to HQ-CWF | Drains to TNR | 7/2.11  S-N49\_S-N50-Layout1 | Individual | Pittsburgh | Activity in WOUS | 23 |
| S-N51 | UNT to Laurel Run | -78.8972, 40.4209 | Perennial | 15 | *-* | *141* | *-* | 141 | Dry Crossing | 2,115 | - | 0.329 | 0.117 | Drains to HQ-CWF | Drains to TNR | 7/2.1  WL-N30\_S-N51\_S-N52-Layout1 | Individual | Pittsburgh | Activity in WOUS | 19 |
| S-N52 | UNT to Laurel Run | -78.8977, 40.4212 | Perennial | 12 | *-* | *67* | *-* | 67 | Dry Crossing | 804 | - | Drains to HQ-CWF | Drains to TNR | 7/2.1  WL-N30\_S-N51\_S-N52-Layout1 | Individual | Pittsburgh | Activity in WOUS | 20 |
| S-N53 | UNT to Laurel Run | -78.9062, 40.4223 | Perennial | 6 | *-* | *72* | *-* | 72 | Dry Crossing | 432 | - | 0.462 | 0.176 | Drains to HQ-CWF | Drains to TNR | 6/2.09  WL-N33-Layout1 | Individual | Pittsburgh | Activity in WOUS | 15 |
| S-N54 | UNT to Laurel Run | -78.9057, 40.4221 | Ephemeral | 3 | *-* | *75* | *-* | 75 | Dry Crossing | 225 | - | Drains to HQ-CWF | Drains to TNR | 6/2.09  WL-N33-Layout1 | Individual | Pittsburgh | Activity in WOUS | 16 |
| S-N55 | UNT to Laurel Run | -78.9067, 40.4221 | Perennial | 8 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to ATW, TNR | 6/2.09 | Individual | Pittsburgh | Non-jurisdictional | 17 |
| S-N56 | UNT to Findley Run | -78.9248, 40.4247 | Ephemeral | 3 | *-* | *72* | *-* | 72 | Dry Crossing | 216 | - | 0.257 | 0.051 | Drains to HQ-CWF | Drains to TNR | 4/2.06 | Individual | Pittsburgh | Activity in WOUS | 13 |
| S-N57 | UNT to Findley Run | -78.9276, 40.4249 | Intermittent | 6 | *-* | *-* | *-* |  | Open Cut Floodway | - | - | 0.028 | - | Drains to HQ-CWF | Drains to TNR | 3/2.05 | Individual | Pittsburgh | Non-jurisdictional | 12 |
| S-N58 | UNT to Findley Run | -78.9297, 40.4251 | Ephemeral | 3 | *-* | *-* | *-* |  | Open Cut Floodway | - | - | 0.075 | - | Drains to HQ-CWF | Drains to TNR | 3/2.05 | Individual | Pittsburgh | Non-jurisdictional | 11 |
| S-N59 | UNT to Findley Run | -78.9301, 40.4256 | Ephemeral | 4 | *-* | *42* | *-* | 42 | Dry Crossing | 168 | - | 0.175 | 0.048 | Drains to HQ-CWF | Drains to TNR | 3/2.05 | Individual | Pittsburgh | Activity in WOUS | 10 |
| S-N60 | UNT to Findley Run | -78.9352, 40.4262 | Ephemeral | 3 | *-* | *-* | *-* |  | Open Cut Floodway | - | - | 0.045 | 0.049 | Drains to HQ-CWF | Drains to TNR | 3/2.04 | Individual | Pittsburgh | Non-jurisdictional | 9 |
| S-N61 | UNT to Findley Run | -78.9386, 40.4265 | Ephemeral | 5 | *-* | *47* | *-* | 47 | Dry Crossing | 235 | - | 0.169 | 0.047 | Drains to HQ-CWF | Drains to TNR | 2/2.03 | Individual | Pittsburgh | Activity in WOUS | 8 |
| S-N62 | UNT to Findley Run | -78.9439, 40.4270 | Intermittent | 3 | *-* | *61* | *-* | 61 | Dry Crossing | 183 | - | 0.138 | 0.052 | Drains to HQ-CWF | Drains to TNR | 2/2.02  WL-140 S-N62-Layout1 | Individual | Pittsburgh | Activity in WOUS | 6 |
| S-N63 | UNT to Findley Run | -78.9447, 40.4271 | Perennial | 5 | *-* | *54* | *-* | 54 | Dry Crossing | 270 | - | 0.171 | 0.055 | Drains to HQ-CWF | Drains to TNR | 2/2.02  WL-139 S-N63-Layout1 | Individual | Pittsburgh | Activity in WOUS | 4 |
| S-N64 | UNT to Findley Run | -78.9453, 40.4271 | Perennial | 5 | *-* | *69* | *-* | 69 | Dry Crossing | 345 | - | 0.174 | 0.049 | Drains to HQ-CWF | Drains to TNR | 2/2.02 | Individual | Pittsburgh | Activity in WOUS | 2 |
| S-O1 | UNT to Noels Creek | -78.6303, 40.4535 | Ephemeral | 2 | *-* | *50* | *-* | 50 | Dry Crossing | 100 | - | 0.138 | 0.052 | Drains to HQ-CWF | Drains to STS, ATW | 36/2.57 | Individual | Pittsburgh | Activity in WOUS | 190 |
| S-O2 | UNT to Noels Creek | -78.6338, 40.4535 | Ephemeral | 1 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | 0.062 | 0.067 | Drains to HQ-CWF | Drains to STS, ATW | 36/2.56 | Individual | Pittsburgh | Non-jurisdictional | 188 |
| S-O3 | UNT to Noels Creek | -78.6337, 40.4535 | Ephemeral | 1 | *-* | *-* | *-* | -- | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to STS, ATW | 36/2.56 | Individual | Pittsburgh | Non-jurisdictional | 189 |
| S-O4 | UNT to Noels Creek | -78.6361, 40.4530 | Intermittent | 5 | *-* | *75* | *-* | 75 | Dry Crossing | 375 | - | 0.207 | 0.054 | Drains to HQ-CWF | Drains to STS, ATW | 35/2.56 | Individual | Pittsburgh | Activity in WOUS | 187 |
| S-O5 | UNT to Noels Creek | -78.6385, 40.4528 | Perennial | 5 | *-* | *58* | *-* | 58 | Dry Crossing | 290 | - | 0.409 | 0.024 | HQ-CWF | Drains to STS, ATW | 35/2.56 | Individual | Pittsburgh | Activity in WOUS | 182 |
| S-O6 | UNT to Noels Creek | -78.6399, 40.4529 | Intermittent | 3 | *-* | *55* | *-* | 55 | Dry Crossing | 165 | - | HQ-CWF | Drains to STS, ATW | 35/2.55 | Individual | Pittsburgh | Activity in WOUS | 183 |
| S-O7 | UNT to Noels Creek | -78.6428, 40.4530 | Ephemeral | 1 | *-* | *17* | *-* | 17 | Dry Crossing | 17 | - | 0.232 | 0.048 | Drains to HQ-CWF | Drains to STS, ATW | 35/2.55 | Individual | Pittsburgh | Activity in WOUS | 177 |
| S-O8 | UNT to Noels Creek | -78.6427, 40.4526 | Intermittent | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to STS, ATW | 35/2.55 | Individual | Pittsburgh | Non-jurisdictional | 178 |
| S-O9 | UNT to Noels Creek | -78.6430, 40.4528 | Intermittent | 5 | *-* | *54* | *-* | 54 | Dry Crossing | 270 | - | Drains to HQ-CWF | Drains to STS, ATW | 35/2.55 | Individual | Pittsburgh | Activity in WOUS | 179 |
| S-O10 | UNT to Noels Creek | -78.6431, 40.4526 | Intermittent | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to STS, ATW | 35/2.55 | Individual | Pittsburgh | Non-jurisdictional | 180 |
| S-O11 | UNT to Noels Creek | -78.6473, 40.4522 | Perennial | 12 | *-* | *131* | *-* | 131 | Dry Crossing | 1,572 | - | 0.281 | 0.055 | HQ-CWF | Drains to STS, ATW | 34/2.54 | Individual | Pittsburgh | Activity in WOUS | 174 |
| S-O12 | UNT to Noels Creek | -78.6473, 40.4526 | Intermittent | 4 | *-* | *49* | *-* | 49 | Dry Crossing | 196 | - | Drains to HQ-CWF | Drains to STS, ATW | 34/2.54 | Individual | Pittsburgh | Activity in WOUS | 175 |
| S-O13 | UNT to Noels Creek | -78.6491, 40.4525 | Ephemeral | 1 | *-* | *79* | *-* | 79 | Dry Crossing | 79 | - | 0.233 | 0.061 | Drains to HQ-CWF | Drains to STS, ATW | 34/2.54 | Individual | Pittsburgh | Activity in WOUS | 173 |
| S-O14 | UNT to Noels Creek | -78.6518, 40.4528 | Ephemeral | 2 | *-* | *13* | *-* | 13 | Dry Crossing | 26 | - | 0.158 | 0.014 | Drains to HQ-CWF | Drains to STS, ATW | 34/2.53 | Individual | Pittsburgh | Activity in WOUS | 171 |
| S-O15 | UNT to Howells Run | -78.7174, 40.4477 | Ephemeral | 2 | *-* | *71* | *-* | 71 | Dry Crossing | 142 | - | 0.373 | 0.099 | Drains to CWF | Drains to STS, ATW | 27/2.42 | Individual | Pittsburgh | Activity in WOUS | 121 |
| S-O16 | UNT to Howells Run | -78.7180, 40.4477 | Ephemeral | 4 | *-* | *60* | *-* | 60 | Dry Crossing | 240 | - | Drains to CWF | Drains to STS, ATW | 27/2.42 | Individual | Pittsburgh | Activity in WOUS | 122 |
| S-O17 | UNT to Howells Run | -78.7225, 40.4467 | Perennial | 20 | *-* | *75* | *-* | 75 | Dry Crossing | 1,500 | - | 0.765 | 0.054 | Drains to CWF | STS, Drains to ATW | 26/2.41 | Individual | Pittsburgh | Activity in WOUS | 116 |
| S-O18 | UNT to Howells Run | -78.7232, 40.4464 | Intermittent | 10 | *-* | *84* | *-* | 84 | Dry Crossing | 840 | - | Drains to CWF | Drains to STS, ATW | 26/2.41 | Individual | Pittsburgh | Activity in WOUS | 117 |
| S-O19 | UNT to Howells Run | -78.7228, 40.4464 | Ephemeral | 5 | *-* | *57* | *-* | 57 | Dry Crossing | 285 | - | Drains to CWF | Drains to STS, ATW | 26/2.41 | Individual | Pittsburgh | Activity in WOUS | 118 |
| S-O20 | UNT to Howells Run | -78.7238, 40.4463 | Ephemeral | 3 | *-* | *67* | *-* | 67 | Dry Crossing | 201 | - | Drains to CWF | Drains to STS, ATW | 26/2.41 | Individual | Pittsburgh | Activity in WOUS | 119 |
| S-O21 | Roaring Run | -78.7299, 40.4452 | Perennial | 15 | *-* | *197* | *-* | 197 | Dry Crossing | 2,295 | - | 0.841 | 0.154 | CWF | STS | 25/2.4 | Individual | Pittsburgh | Activity in WOUS | 110 |
| S-O22 | UNT to Roaring Run | -78.7305, 40.4452 | Intermittent | 8 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS | 25/2.4 | Individual | Pittsburgh | Non-jurisdictional | 111 |
| S-O23 | UNT to Roaring Run | -78.7314, 40.4447 | Ephemeral | 3 | *-* | *128* | *-* | 128 | Dry Crossing | 384 | - | Drains to CWF | Drains to STS | 25/2.4 | Individual | Pittsburgh | Activity in WOUS | 112 |
| S-O24 | UNT to Roaring Run | -78.7348, 40.4440 | Ephemeral | 5 | *-* | *78* | *-* | 78 | Dry Crossing | 390 | - | 0.222 | 0.065 | Drains to CWF | n/a | 25/2.39 | PADEP Waived | Pittsburgh | Activity in WOUS | 109 |
| S-O25 | UNT to Roaring Run | -78.7396, 40.4430 | Ephemeral | 10 | *-* | *82* | *-* | 82 | Dry Crossing | 820 | - | 0.262 | 0.059 | Drains to CWF | n/a | 24/2.38 | Individual | Pittsburgh | Activity in WOUS | 108 |
| S-O27 | UNT to Roaring Run | -78.7442, 40.4421 | Intermittent | 5 | *-* | *61* | *-* | 61 | Dry Crossing | 305 | - | 0.180 | 0.049 | Drains to CWF | n/a | 24/2.38 | PADEP Waived | Pittsburgh | Activity in WOUS | 107 |
| S-O28 | UNT to Roaring Run | -78.7484, 40.4413 | Ephemeral | 4 | *-* | *50* | *-* | 50 | Dry Crossing | 200 | - | 0.187 | 0.045 | Drains to CWF | n/a | 23/2.37 | Individual | Pittsburgh | Activity in WOUS | 106 |
| S-O29 | UNT to Roaring Run | -78.7491, 40.4411 | Perennial | 4 | *-* | *53* | *-* | 53 | Dry Crossing | 212 | - | 0.163 | 0.047 | Drains to CWF | n/a | 23/2.37 | Individual | Pittsburgh | Activity in WOUS | 105 |
| S-O33 | UNT to Saltlick Run | -78.8046, 40.4275 | Perennial | 5 | *-* | *82* | *-* | 82 | Dry Crossing | 410 | - | 0.274 | 0.089 | Drains to HQ-CWF | Drains to TNR | 16/2.27 | Individual | Pittsburgh | Activity in WOUS | 79 |
| S-O34 | UNT to Saltlick Run | -78.7921, 40.4307 | Intermittent | 4 | *-* | *57* | *-* | 57 | Dry Crossing | 228 | - | 0.147 | 0.049 | Drains to HQ-CWF | Drains to TNR | 18/2.29 | Individual | Pittsburgh | Activity in WOUS | 80 |
| S-O35 | UNT to Saltlick Run | -78.7924, 40.4310 | Intermittent | 1 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 18/2.29 | Individual | Pittsburgh | Non-jurisdictional | 81 |
| S-O36 | UNT to Saltlick Run | -78.7903, 40.4309 | Ephemeral | 1 | *-* | *51* | *-* | 51 | Dry Crossing | 51 | - | 0.217 | 0.109 | Drains to HQ-CWF | Drains to TNR | 18/2.29 | Individual | Pittsburgh | Activity in WOUS | 82 |
| S-O37 | UNT to Saltlick Run | -78.8348, 40.4206 | Perennial | 4 | *-* | *59* | *-* | 59 | Dry Crossing | 236 | - | 0.133 | 0.029 | Drains to HQ-CWF | Drains to TNR | 13/2.21  WL-O20-Layout1 | Individual | Pittsburgh | Activity in WOUS | 56 |
| S-O38 | UNT to Saltlick Run | -78.8416, 40.4195 | Intermittent | 7 | *-* | *59* | *-* | 59 | Dry Crossing | 413 | - | 0.215 | 0.067 | Drains to HQ-CWF | Drains to TNR | 13/2.2 | Individual | Pittsburgh | Activity in WOUS | 51 |
| S-O39 | UNT to Saltlick Run | -78.8418, 40.4196 | Intermittent | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 12/2.2 | Individual | Pittsburgh | Non-jurisdictional | 52 |
| S-O40 | UNT to Hinckston Run | -78.8497, 40.4173 | Intermittent | 2 | *-* | *73* | *-* | 73 | Dry Crossing | 146 | - | 0.486 | 0.085 | Drains to CWF | Drains to STS, ATW | 12/2.19 | Individual | Pittsburgh | Activity in WOUS | 45 |
| S-O41 | UNT to Hinckston Run | -78.8489, 40.4176 | Ephemeral | 2 | *-* | *75* | *-* | 75 | Dry Crossing | 150 | - | Drains to CWF | Drains to STS, ATW | 12/2.19 | Individual | Pittsburgh | Activity in WOUS | 46 |
| S-O42 | UNT to Hinckston Run | -78.8508, 40.4171 | Ephemeral | 2 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to STS, ATW | 12/2.18 | Individual | Pittsburgh | Non-jurisdictional | 47 |
| S-O43 | UNT to Hinckston Run | -78.8603, 40.4156 | Intermittent | 1 | *1* | *3* | *-* | 3 | HDD/ Existing Culvert | 3 | - | 0.091 | - | Drains to CWF | Drains to STS, ATW | 11/2.17  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 41 |
| S-O44 | UNT to Hinckston Run | -78.8609, 40.4156 | Perennial | 5 | *5* | *3* | *-* | 3 | HDD | 15 | - | Drains to CWF | Drains to STS, ATW | 10/2.17  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 42 |
| S-N35 | UNT to Hinckston Run | -78.6769, 40.4528 | Intermittent | 2 | *-* | *-* | *-* | - | HDD Floodway | - | - | Drains to CWF | Drains to STS, ATW | 10/2.17  PA-CA-0023.0000-RD & -16 | Individual | Pittsburgh | Non-jurisdictional | 43 |
| S-O45 | UNT to Saltlick Run | -78.8175, 40.4250 | Perennial | 6 | *-* | *55* | *-* | 55 | Open Cut Floodway | 330 | - | 1.608 | 0.244 | Drains to HQ-CWF | Drains to TNR | 15/2.24  WL-O37\_S-O30\_S-O31\_S-O48\_S-O45-Layout1 | Individual | Pittsburgh | Non-jurisdictional | 64 |
| S-O46 | UNT to Saltlick Run | -78.8166, 40.4246 | Intermittent | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 15/2.25 | Individual | Pittsburgh | Non-jurisdictional | 65 |
| S-O47 | UNT to Saltlick Run | -78.8178, 40.4243 | Ephemeral | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 15/2.24 | Individual | Pittsburgh | Non-jurisdictional | 66 |
| S-O48 | UNT to Saltlick Run | -78.8174, 40.4245 | Intermittent | 2 | *-* | *1* | *-* | 1 | Dry Crossing | 2 | - | Drains to HQ-CWF | Drains to TNR | 15/2.24 | Individual | Pittsburgh | Activity in WOUS | 67 |
| S-O49 | UNT to Saltlick Run | -78.8183, 40.4247 | Intermittent | 6 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 15/2.24 | Individual | Pittsburgh | Non-jurisdictional | 68 |
| S-O50 | UNT to Saltlick Run | -78.8193, 40.4241 | Intermittent | 4 | *-* | *52* | *-* | 52 | Dry Crossing | 208 | - | Drains to HQ-CWF | Drains to TNR | 15/2.24 | Individual | Pittsburgh | Activity in WOUS | 69 |
| S-O51 | UNT to Saltlick Run | -78.8196, 40.4241 | Ephemeral | 4 | *-* | *51* | *-* | 51 | Dry Crossing | 204 | - | Drains to HQ-CWF | Drains to TNR | 15/2.24 | Individual | Pittsburgh | Activity in WOUS | 70 |
| S-O52 | UNT to Saltlick Run | -78.8201, 40.4240 | Ephemeral | 2 | *-* | *52* | *-* | 52 | Dry Crossing | 104 | - | Drains to HQ-CWF | Drains to TNR | 15/2.24 | Individual | Pittsburgh | Activity in WOUS | 71 |
| S-O53 | UNT to Saltlick Run | -78.8201, 40.4242 | Ephemeral | 2 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 15/2.24 | Individual | Pittsburgh | Non-jurisdictional | 72 |
| S-O30 | UNT to Saltlick Run | -78.8177, 40.4245 | Perennial | 22 | *-* | *191* | *-* | 191 | Dry Crossing/ Bore Floodway | 4,202 | - | Drains to HQ-CWF | Drains to TNR | 15/2.24  WL-O37\_S-O30\_S-O31\_S-O48\_S-O45-Layout1 | Individual | Pittsburgh | Activity in WOUS | 73 |
| S-O31 | UNT to Saltlick Run | -78.8158, 40.4250 | Ephemeral | 2 | *-* | *66* |  | 66 | Open Cut Floodway | 132 | - | Drains to HQ-CWF | Drains to TNR | 15/2.25  WL-O16-Layout1 | Individual | Pittsburgh | Non-jurisdictional | 74 |
| S-O32 | UNT to Saltlick Run | -78.8146, 40.4251 | Intermittent | 5 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 15/2.25 | Individual | Pittsburgh | Non-jurisdictional | 75 |
| S-O54 | UNT to Saltlick Run | -78.8213, 40.4236 | Intermittent | 7 | *-* | *54* | *-* | 54 | Dry Crossing | 378 | - | 0.153 | 0.050 | Drains to HQ-CWF | Drains to TNR | 15/2.24 | Individual | Pittsburgh | Activity in WOUS | 63 |
| S-O56 | UNT to Saltlick Run | -78.8233, 40.4232 | Intermittent | 2 | *-* | *61* | *-* | 61 | Dry Crossing | 122 | - | 0.151 | 0.049 | Drains to HQ-CWF | Drains to TNR | 14/2.23 | Individual | Pittsburgh | Activity in WOUS | 59 |
| S-O57 | UNT to Saltlick Run | -78.8240, 40.4234 | Perennial | 28 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 14/2.23 | Individual | Pittsburgh | Non-jurisdictional | 60 |
| S-O58 | UNT to Saltlick Run | -78.8246, 40.4232 | Ephemeral | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to HQ-CWF | Drains to TNR | 14/2.23 | Individual | Pittsburgh | Non-jurisdictional | 61 |
| S-O59 | Saltlick Run | -78.8258, 40.4227 | Perennial | 30 | *-* | *52* | *-* | 52 | Dry Crossing | 1,560 | - | 0.269 | 0.048 | HQ-CWF | TNR | 14/2.23 | Individual | Pittsburgh | Activity in WOUS | 57 |
| S-O60 | UNT to Saltlick Run | -78.8256, 40.4227 | Ephemeral | 4 | *-* | *51* | *-* | 51 | Dry Crossing | 204 | - | Drains to HQ-CWF | Drains to TNR | 14/2.23 | Individual | Pittsburgh | Activity in WOUS | 58 |
| S-Q57 | UNT to Burgoon Run | -78.5870, 40.4343 | Intermittent | 3 | *-* | *83* | *-* | 83 | Dry Crossing | 249 | - | 0.514 | 0.099 | CWF | n/a | 43/2.67 | Individual | Pittsburgh | Activity in WOUS | 222 |
| S-M87 | UNT to Burgoon Run | -78.5869, 40.4336 | Intermittent | 2 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | n/a | 43/2.67 | Individual | Pittsburgh | Non-jurisdictional | 223 |
| S-M88 | UNT to Burgoon Run | -78.5869, 40.4333 | Intermittent | 2 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | n/a | 43/2.67 | Individual | Pittsburgh | Non-jurisdictional | 224 |
| S-Q71 | Blair Run | -78.5585, 40.4092 | Ephemeral | 4 | *-* | *102* | *-* | 102 | Dry Crossing | 408 | - | 0.520 | 0.123 | Drains to CWF | Drains to TNR | 48/2.75 | Individual | Baltimore | Activity in WOUS | 244 |
| S-L94 | UNT to Blair Run | -78.5567, 40.4086 | Intermittent | 8 | *-* | *110* | *-* | 110 | Dry Crossing | 880 | - | Drains to CWF | Drains to TNR | 48/3.01 | Individual | Baltimore | Activity in WOUS | 245 |
| S-L95 | UNT to Blair Run | -78.5561, 40.4086 | Ephemeral | 4 | *-* | *-* | *-* | - | Open Cut Floodway | - | - | Drains to CWF | Drains to TNR | 48/3.01 | Individual | Baltimore | Non-jurisdictional | 246 |
|  | | | | | | | **163 Streams** | | **150 Temp. Crossings** | **44,882.5 sq. ft.**  **1.030 acre** | **384 sq. ft.**  **0.009 acre** | **18.763 acres** | **4.538 acres** |  | | | | | | |

Notes:

Many streams share a FEMA NFHL 100-year floodway or PADEP 50-foot buffer, these features have been grouped accordingly when cells are merged cells.

All direct stream impacts are temporary and the stream bank, bed, and channel will be restored to the pre-construction grades in accordance with the procedures of the Erosion and Sediment Control Plan.

1 Pipe length crossing the stream from bank to bank at HDDs and bores. May not always be the same as the bank to bank width which represents the stream width as measured in the field.

2 Length of stream traversing limits of disturbance. A “-“ length indicates the stream is adjacent to the construction workspaces and only the floodway extends into the construction workspaces. The disturbance length has been supplied to show the impact to the waterbody within the 50 foot permanent ROW and the temporarily impacted areas for construction, except at HDD crossing where the permanent impacts are limited to the width of the pipelines (3 feet)

3 All streams in the above table that will be crossed with a “Dry Crossing” will also require a temporary bridge crossing. “Open Cut Floodway” will require a travel lane across the floodway, but no matting or bridge will be used.

4 Crossing Methods: Dry Crossing designates a dry “dam-and pump” or “dam-and flume” or other method which conveys stream flow around the in-stream workspace for a relatively dry trenched work area. Horizontal Directional Drill (HDD) avoids all surface impacts and involves drilling below the stream; however, a travel lane across the stream may be required during construction in some cases and is noted by “Travel Lane” or “Clearing Only”. Additional crossing details can be found in Attachment 12 which includes the Project’s Erosion and Sediment Control Plan; Additional site-specific drawings (HDD, bore, and site-specific open-cut) can be found in Attachment 7.

5 For non-HDD crossings based on Bank to Bank Width multiplied by the Length in the ROW for perm and temp workspaces. At HDD and bore crossings, this is based on 3 feet (width of the two pipes) represented in the Length in ROW column multiplied by the Length of Centerline Stream Crossing at HDD column.

6 Permanent impacts are those areas affected by a water obstruction or encroachment that consist of both direct and indirect impacts that result from the placement or construction of a water obstruction or encroachment and include areas necessary for the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into the floodway. Permanent impacts as HDD crossings are calculated on the width of the bore (3 feet) multiplied by the length of crossing.

7 Temporary impacts are those areas affected during the construction of a water obstruction or encroachment that consists of both direct and indirect impacts located in, along or across, or projecting into a watercourse, floodway or body of water that are restored upon completion of construction. This does not include areas that will be maintained as a result of the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into the floodway. These areas consist of additional temporary workspaces and temporary access roads.

8 Based on Pennsylvania Data File Access (PASDA) “Designated Use” GIS shapefile (2014, from The PA Geospatial Data Clearinghouse).

9 PAFBC Designations: ATW = Approved Trout Water; STS = Stocked Trout Stream; TNR = Trout Natural Reproduction

10 Streams that are PADEP-Waived drain less than 100 acres at the point of intersection.

Table 4. Chapter 106 Floodplain Impacts on the Pennsylvania Pipeline Project (PPP) – Cambria County – 5/24/2016

| **Stream ID1** | **Stream Name** | **Coordinates** | **Crossing Method2** | **Permanent Floodplain Disturbance (acre) 3, 5** | **Temporary Floodplain Disturbance (acre) 4, 5** | **Total Floodplain**  **Disturbance (acre)** | **Site Plan Sheet Number** | **Permit** | **USACE District** | **USACE Section 10/404 Activity** | **Fee Crossing Reference Number** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S-BB114 | UNT to Little Conemaugh River | -78.5949,  40.4458 | Open Cut | *0.087* | *-* | 0.087 | 41 | Individual | Pittsburgh | Non-jurisdictional | 208 |
| S-CC4 | Stewart Run | -78.7815, 40.4328 | Open Cut | *-* | *0.001* | 0.001 | 19 | Individual | Pittsburgh | Non-jurisdictional | 84 |
| S-CC7 | UNT to Stewart Run | -78.7732, 40.4339 | Open Cut | *-* | *0.010* | 0.010 | 19 | Individual | Pittsburgh | Non-jurisdictional | 87 |
| S-K33 | Little Conemaugh River | -78.6059,  40.4495 | HDD | *0.025* | *-* | 0.025 | 38 | Individual | Pittsburgh | Non-jurisdictional | 204 |
| S-M90 | Burgoon Run | -78.5877,  40.4350 | Open Cut | *0.011* | *0.008* | 0.019 | 43 | Individual | Pittsburgh | Non-jurisdictional | 220 |
| S-N34 | North Branch Little Conemaugh River | -78.6852,  40.4525 | HDD | *0.135* | *-* | 0.135 | 30 | Individual | Pittsburgh | Non-jurisdictional | 147 |
| S-N39 | Hinckston Run | -78.8661, 40.4157 | HDD | *0.044* | *-* | 0.044 | 10 | Individual | Pittsburgh | Non-jurisdictional | 38 |
| S-N46 | UNT to Laurel Run | -78.8851, 40.4196 | Open Cut | *0.039* | *0.016* | 0.055 | 8 | Individual | Pittsburgh | Non-jurisdictional | 26 |
| S-O17 | UNT to Howells Run | -78.7225,  40.4467 | Open Cut | *0.317* | *0.312* | 0.629 | 26 | Individual | Pittsburgh | Non-jurisdictional | 116 |
| S-O21 | Roaring Run | -78.7299,  40.4452 | Open Cut | *0.046* | *-* | 0.046 | 25 | Individual | Pittsburgh | Non-jurisdictional | 110 |
| S-O30 | UNT to Saltlick Run | -78.8177, 40.4245 | Open Cut | *0.145* | *0.017* | 0.162 | 15 | Individual | Pittsburgh | Non-jurisdictional | 73 |
| S-O59 | Saltlick Run | -78.8258, 40.4227 | Open Cut | *0.009* | *0.003* | 0.012 | 14 | Individual | Pittsburgh | Non-jurisdictional | 57 |
|  | | | **12 Floodplains** | ***0.858 acres*** | ***0.367 acres*** | **1.225 acres** |  | | | | |

Notes:

100-Year Floodplain data is from the FEMA National Flood Hazard Layer (NFHL) geographic dataset, downloaded 7/2015, available at: http://www.floodmaps.fema.gov/NFHL/status.shtml

The Floodplain Fringe layer was developed by “erasing” (i.e. removing) the Section 105 areas from the entirety of the 100-year floodplain data. The above acreages represent the floodplain fringe impacts not covered by the Section 105 calculations.

1 These are the identified streams closest to the extents of the NFHL data. These areas have been named and grouped for easier review and analysis.

2 Crossing Methods: Open Cut is conventional construction technique in uplands and Horizontal Directional Drill (HDD) involves drilling below the floodplain; however, a travel lane across the stream may be required during construction. Typicals of these crossing methods can be found within Attachment 12 (Erosion and Sediment Control Plan).

3 Permanent disturbances are those areas of floodplain impact within the proposed permanent utility ROW. Permanent impacts as HDD crossings are calculated on the width of the bore (3 feet) multiplied by the length of crossing.

4 Temporary disturbances are those areas affected during the construction of a water obstruction or encroachment that consists of both direct and indirect impacts located in, along or across, or projecting into a watercourse, floodway or body of water that are restored upon completion of construction. This does not include areas that will be maintained as a result of the operation and maintenance of the water obstruction or encroachment located in, along or across, or projecting into the floodway. These areas consist of additional temporary workspaces and temporary access roads.

5 Permanent and temporary impact totals in Table 1 have been added to the Section 105 impact totals for streams with the same stream ID.