

## Attachment B

### Storage and Discharge Capacity Tables

J.C. Boyle Dam - Diversion Capacities During Dam Removal (Streambed El 3732)

Key Elevations - Dam Crest El. 3800, Top of Gates El. 3793.5, Spillway Crest El. 3781.5,  
Penstock Invert El. 3768, Top of Dead (box culvert invert) El. 3751.5

| RWS<br>feet | Storage<br>acre-feet | Spillway<br>cfs | Penstock<br>cfs | Culvert<br>cfs | Total<br>cfs | Notched<br>Spillway<br>cfs |
|-------------|----------------------|-----------------|-----------------|----------------|--------------|----------------------------|
| 3732.0      | 0                    | 0               | 0               | 0              | 0            | 0                          |
| 3735.0      | 0                    | 0               | 0               | 0              | 0            | 0                          |
| 3740.0      | 0                    | 0               | 0               | 0              | 0            | 0                          |
| 3745.0      | 0                    | 0               | 0               | 0              | 0            | 0                          |
| 3750.0      | 0                    | 0               | 0               | 0              | 0            | 0                          |
| 3751.5      | 0                    | 0               | 0               | 0              | 0            | 0                          |
| 3752.0      | 0                    | 0               | 0               | 25             | 25           | 0                          |
| 3753.0      | 1                    | 0               | 0               | 100            | 100          | 0                          |
| 3754.0      | 4                    | 0               | 0               | 250            | 250          | 0                          |
| 3755.0      | 9                    | 0               | 0               | 375            | 375          | 0                          |
| 3756.0      | 15                   | 0               | 0               | 500            | 500          | 0                          |
| 3757.0      | 24                   | 0               | 0               | 750            | 750          | 0                          |
| 3758.0      | 35                   | 0               | 0               | 1000           | 1000         | 0                          |
| 3759.0      | 47                   | 0               | 0               | 1250           | 1250         | 0                          |
| 3760.0      | 62                   | 0               | 0               | 1500           | 1500         | 0                          |
| 3761.0      | 78                   | 0               | 0               | 1750           | 1750         | 0                          |
| 3762.0      | 96                   | 0               | 0               | 2000           | 2000         | 0                          |
| 3763.0      | 116                  | 0               | 0               | 2175           | 2175         | 0                          |
| 3764.0      | 138                  | 0               | 0               | 2350           | 2350         | 109                        |
| 3765.0      | 163                  | 0               | 0               | 2630           | 2630         | 565                        |
| 3766.0      | 180                  | 0               | 0               | 2910           | 2910         | 1216                       |
| 3767.0      | 197                  | 0               | 0               | 3150           | 3150         | 2015                       |
| 3768.0      | 214                  | 0               | 0               | 3390           | 3390         | 2937                       |
| 3769.0      | 232                  | 0               | 170             | 3595           | 3765         | 3969                       |
| 3770.0      | 250                  | 0               | 340             | 3800           | 4140         | 5099                       |
| 3771.0      | 276                  | 0               | 500             | 3985           | 4485         | 6320                       |
| 3772.0      | 302                  | 0               | 670             | 4170           | 4840         | 7626                       |
| 3773.0      | 328                  | 0               | 830             | 4345           | 5175         | 9010                       |
| 3774.0      | 354                  | 0               | 1000            | 4520           | 5520         | 10469                      |
| 3775.0      | 380                  | 0               | 1170            | 4675           | 5845         | 12000                      |
| 3776.0      | 410                  | 0               | 1340            | 4830           | 6170         | 13599                      |
| 3777.0      | 450                  | 0               | 1500            | 5050           | 6550         | 15263                      |
| 3778.0      | 490                  | 0               | 1670            | 5270           | 6940         | 16990                      |
| 3779.0      | 550                  | 0               | 1830            | 5340           | 7170         | 18778                      |
| 3780.0      | 610                  | 0               | 2000            | 5410           | 7410         | 20624                      |
| 3781.0      | 670                  | 0               | 2190            | 5515           | 7705         | 22527                      |
| 3781.5      | 710                  | 0               | 2280            | 5620           | 7900         | 23499                      |
| 3782.0      | 750                  | 120             | 2370            | 5680           | 8170         | 24485                      |
| 3783.0      | 850                  | 650             | 2560            | 5810           | 9020         | 26497                      |
| 3784.0      | 950                  | 1300            | 2740            | 5940           | 9980         | 28561                      |
| 3785.0      | 1070                 | 2200            | 2930            | 6060           | 11190        | 30676                      |
| 3786.0      | 1200                 | 3300            | 3000            | 6180           | 12480        | 32841                      |
| 3787.0      | 1350                 | 5000            | 3000            | 6300           | 14300        | 35054                      |

|        |      |       |      |      |       |       |
|--------|------|-------|------|------|-------|-------|
| 3788.0 | 1500 | 6400  | 3000 | 6420 | 15820 | 37316 |
| 3789.0 | 1650 | 8000  | 3000 | 6535 | 17535 | 39623 |
| 3790.0 | 1850 | 10000 | 3000 | 6650 | 19650 | 41977 |
| 3791.0 | 2050 | 12000 | 3000 | 6760 | 21760 | 44375 |
| 3792.0 | 2270 | 14000 | 3000 | 6870 | 23870 | 46818 |
| 3793.0 | 2500 | 16000 | 3000 | 6980 | 25980 | 49303 |
| 3793.5 | 2629 | 17500 | 3000 | 7030 | 27530 | 50562 |

Notes - Spillway discharge from plotted rating curve, or  $Q=108 \cdot C \cdot (RWS-3781.5)^{1.5}$  with  $C>3$   
 Penstock discharge from pressure flow equation, for discharge to river from pipe,  
 but limited to 3,000 cfs for 20 ft/s in pipe, or for flow in canal to wasteway.  
 Box culvert discharge from pressure flow equation (Design of Small Dams)  
 Revised Storage data to match PacifiCorp data in FERC 2007 report.  
 All elevations in project datum as shown on design drawings.

Copco 1 Dam - Diversion Capacities During Dam Removal (Streambed El. 2479)

Key Elevations - Dam Crest El. 2613, Top of Gates El. 2607.5, Spillway Crest El. 2593.5,  
Penstock Invert El. 2575, Top of Dead (tunnel invert) El. 2489

| RWS<br>feet | Storage<br>acre-feet | Spillway<br>cfs | Penstock<br>cfs | Tunnel<br>cfs | Total<br>cfs | Notching<br>cfs | TOTAL<br>CFS |
|-------------|----------------------|-----------------|-----------------|---------------|--------------|-----------------|--------------|
| 2479.0      | 0                    | 0               | 0               | 0             | 0            | 0               | 0            |
| 2484.0      | 0                    | 0               | 0               | 0             | 0            | 839             | 839          |
| 2489.0      | 0                    | 0               | 0               | 0             | 0            | 2372            | 2372         |
| 2494.0      | 0                    | 0               | 0               | 0             | 0            | 5897            | 5897         |
| 2495.0      | 0                    | 0               | 0               | 0             | 0            | 1934            | 1934         |
| 2498.0      | 0                    | 0               | 0               | 1181          | 1181         | 3525            | 4706         |
| 2499.0      | 0                    | 0               | 0               | 1275          | 1275         | 4154            | 5429         |
| 2500.0      | 0                    | 0               | 0               | 1363          | 1363         | 4822            | 6185         |
| 2501.0      | 1                    | 0               | 0               | 1446          | 1446         | 5530            | 6976         |
| 2502.0      | 2                    | 0               | 0               | 1524          | 1524         | 1724            | 3248         |
| 2503.0      | 3                    | 0               | 0               | 1598          | 1598         | 2163            | 3761         |
| 2504.0      | 4                    | 0               | 0               | 1669          | 1669         | 2668            | 4337         |
| 2505.0      | 5                    | 0               | 0               | 1738          | 1738         | 3227            | 4965         |
| 2506.0      | 6                    | 0               | 0               | 1803          | 1803         | 3834            | 5637         |
| 2507.0      | 7                    | 0               | 0               | 1866          | 1866         | 4482            | 6348         |
| 2508.0      | 8                    | 0               | 0               | 1928          | 1928         | 5172            | 7100         |
| 2509.0      | 9                    | 0               | 0               | 1987          | 1987         | 5897            | 7884         |
| 2510.0      | 10                   | 0               | 0               | 2045          | 2045         | 1859            | 3904         |
| 2511.0      | 24                   | 0               | 0               | 2101          | 2101         | 2196            | 4297         |
| 2512.0      | 38                   | 0               | 0               | 2155          | 2155         | 2552            | 5133         |
| 2513.0      | 52                   | 0               | 0               | 2208          | 2208         | 2925            | 5133         |
| 2514.0      | 66                   | 0               | 0               | 2260          | 2260         | 3315            | 5575         |
| 2515.0      | 80                   | 0               | 0               | 2311          | 2311         | 3720            | 6031         |
| 2516.0      | 94                   | 0               | 0               | 2361          | 2361         | 4141            | 6502         |
| 2517.0      | 108                  | 0               | 0               | 2410          | 2410         | 0               | 2410         |
| 2518.0      | 122                  | 0               | 0               | 2457          | 2457         |                 | 2457         |
| 2519.0      | 136                  | 0               | 0               | 2504          | 2504         |                 | 2504         |
| 2520.0      | 150                  | 0               | 0               | 2550          | 2550         |                 | 2550         |
| 2521.0      | 215                  | 0               | 0               | 2595          | 2595         |                 | 2595         |
| 2522.0      | 280                  | 0               | 0               | 2639          | 2639         |                 | 2639         |
| 2523.0      | 345                  | 0               | 0               | 2683          | 2683         |                 | 2683         |
| 2524.0      | 410                  | 0               | 0               | 2726          | 2726         |                 | 2726         |
| 2525.0      | 475                  | 0               | 0               | 2768          | 2768         |                 | 2768         |
| 2526.0      | 540                  | 0               | 0               | 2810          | 2810         |                 | 2810         |
| 2527.0      | 605                  | 0               | 0               | 2851          | 2851         |                 | 2851         |
| 2528.0      | 670                  | 0               | 0               | 2891          | 2891         |                 | 2891         |
| 2529.0      | 735                  | 0               | 0               | 2931          | 2931         |                 | 2931         |
| 2530.0      | 800                  | 0               | 0               | 2971          | 2971         |                 | 2971         |
| 2531.0      | 940                  | 0               | 0               | 3009          | 3009         |                 | 3009         |
| 2532.0      | 1080                 | 0               | 0               | 3048          | 3048         |                 | 3048         |
| 2533.0      | 1220                 | 0               | 0               | 3086          | 3086         |                 | 3086         |
| 2534.0      | 1360                 | 0               | 0               | 3123          | 3123         |                 | 3123         |
| 2535.0      | 1500                 | 0               | 0               | 3160          | 3160         |                 | 3160         |
| 2536.0      | 1640                 | 0               | 0               | 3197          | 3197         |                 | 3197         |
| 2537.0      | 1780                 | 0               | 0               | 3233          | 3233         |                 | 3233         |

|        |       |   |      |      |      |       |
|--------|-------|---|------|------|------|-------|
| 2538.0 | 1920  | 0 | 0    | 3268 | 3268 | 3268  |
| 2539.0 | 2060  | 0 | 0    | 3304 | 3304 | 3304  |
| 2540.0 | 2200  | 0 | 0    | 3339 | 3339 | 3339  |
| 2541.0 | 2410  | 0 | 0    | 3373 | 3373 | 3373  |
| 2542.0 | 2620  | 0 | 0    | 3408 | 3408 | 3408  |
| 2543.0 | 2830  | 0 | 0    | 3441 | 3441 | 3441  |
| 2544.0 | 3040  | 0 | 0    | 3475 | 3475 | 3475  |
| 2545.0 | 3250  | 0 | 0    | 3508 | 3508 | 3508  |
| 2546.0 | 3460  | 0 | 0    | 3541 | 3541 | 3541  |
| 2547.0 | 3670  | 0 | 0    | 3574 | 3574 | 3574  |
| 2548.0 | 3880  | 0 | 0    | 3606 | 3606 | 3606  |
| 2549.0 | 4090  | 0 | 0    | 3638 | 3638 | 3638  |
| 2550.0 | 4300  | 0 | 0    | 3670 | 3670 | 3670  |
| 2551.0 | 4620  | 0 | 0    | 3702 | 3702 | 3702  |
| 2552.0 | 4940  | 0 | 0    | 3733 | 3733 | 3733  |
| 2553.0 | 5260  | 0 | 0    | 3764 | 3764 | 3764  |
| 2554.0 | 5580  | 0 | 0    | 3795 | 3795 | 3795  |
| 2555.0 | 5900  | 0 | 0    | 3825 | 3825 | 3825  |
| 2556.0 | 6220  | 0 | 0    | 3855 | 3855 | 3855  |
| 2557.0 | 6540  | 0 | 0    | 3885 | 3885 | 3885  |
| 2558.0 | 6860  | 0 | 0    | 3915 | 3915 | 3915  |
| 2559.0 | 7180  | 0 | 0    | 3945 | 3945 | 3945  |
| 2560.0 | 7500  | 0 | 0    | 3974 | 3974 | 3974  |
| 2561.0 | 8000  | 0 | 0    | 4003 | 4003 | 4003  |
| 2562.0 | 8500  | 0 | 0    | 4032 | 4032 | 4032  |
| 2563.0 | 9000  | 0 | 0    | 4061 | 4061 | 4061  |
| 2564.0 | 9500  | 0 | 0    | 4089 | 4089 | 4089  |
| 2565.0 | 10000 | 0 | 0    | 4117 | 4117 | 4117  |
| 2566.0 | 10500 | 0 | 0    | 4145 | 4145 | 4145  |
| 2567.0 | 11000 | 0 | 0    | 4173 | 4173 | 4173  |
| 2568.0 | 11500 | 0 | 0    | 4201 | 4201 | 4201  |
| 2569.0 | 12000 | 0 | 0    | 4229 | 4229 | 4229  |
| 2570.0 | 12500 | 0 | 0    | 4256 | 4256 | 4256  |
| 2571.0 | 12980 | 0 | 0    | 4283 | 4283 | 4283  |
| 2572.0 | 13460 | 0 | 0    | 4310 | 4310 | 4310  |
| 2573.0 | 13940 | 0 | 0    | 4337 | 4337 | 4337  |
| 2574.0 | 14420 | 0 | 0    | 4364 | 4364 | 4364  |
| 2575.0 | 14900 | 0 | 0    | 4390 | 4390 | 4390  |
| 2576.0 | 15380 | 0 | 0    | 4417 | 4417 | 4417  |
| 2577.0 | 15860 | 0 | 0    | 4443 | 4443 | 4443  |
| 2578.0 | 16340 | 0 | 0    | 4469 | 4469 | 4469  |
| 2579.0 | 16820 | 0 | 0    | 4495 | 4495 | 4495  |
| 2580.0 | 17300 | 0 | 0    | 4521 | 4521 | 4521  |
| 2581.0 | 17900 | 0 | 0    | 4546 | 4546 | 4546  |
| 2582.0 | 18500 | 0 | 0    | 4572 | 4572 | 4572  |
| 2583.0 | 19100 | 0 | 0    | 4597 | 4597 | 4597  |
| 2584.0 | 19700 | 0 | 0    | 4622 | 4622 | 4622  |
| 2585.0 | 20300 | 0 | 0    | 4647 | 4647 | 4647  |
| 2586.0 | 20900 | 0 | 0    | 4672 | 4672 | 4672  |
| 2587.0 | 21500 | 0 | 0    | 4697 | 4697 | 4697  |
| 2588.0 | 22100 | 0 | 2086 | 4722 | 6808 | 11530 |
| 2589.0 | 22700 | 0 | 2101 | 4746 | 6847 | 11593 |

|        |       |       |      |      |       |       |
|--------|-------|-------|------|------|-------|-------|
| 2590.0 | 23300 | 0     | 2115 | 4771 | 6886  | 11657 |
| 2591.0 | 24170 | 0     | 2129 | 4795 | 6924  | 11719 |
| 2592.0 | 25040 | 0     | 2143 | 4819 | 6962  | 11781 |
| 2593.0 | 25910 | 0     | 2157 | 4843 | 7000  | 11843 |
| 2593.5 | 26345 | 0     | 2164 | 4855 | 7019  | 11874 |
| 2594.0 | 26780 | 190   | 2171 | 4867 | 7228  | 12095 |
| 2594.5 | 27215 | 510   | 2178 | 4879 | 7567  | 12446 |
| 2595.0 | 27650 | 940   | 2185 | 4891 | 8016  | 12907 |
| 2595.5 | 28085 | 1440  | 2192 | 4903 | 8535  | 13438 |
| 2596.0 | 28520 | 2000  | 2199 | 4914 | 9113  | 14027 |
| 2596.5 | 28955 | 2740  | 2206 | 4926 | 9872  | 14798 |
| 2597.0 | 29390 | 3460  | 2213 | 4938 | 10611 | 15549 |
| 2597.5 | 29825 | 4220  | 2220 | 4950 | 11390 | 16340 |
| 2598.0 | 30260 | 5000  | 2227 | 4961 | 12188 | 17149 |
| 2598.5 | 30695 | 5900  | 2234 | 4973 | 13107 | 18080 |
| 2599.0 | 31130 | 6810  | 2241 | 4985 | 14036 | 19021 |
| 2599.5 | 31565 | 8000  | 2248 | 4996 | 15244 | 20240 |
| 2600.0 | 32000 | 9000  | 2255 | 5008 | 16263 | 21271 |
| 2600.5 | 32533 | 10100 | 2262 | 5020 | 17382 | 22402 |
| 2601.0 | 33067 | 11600 | 2269 | 5031 | 18900 | 23931 |
| 2601.5 | 33600 | 12800 | 2276 | 5043 | 20119 | 25162 |
| 2602.0 | 34133 | 14400 | 2283 | 5054 | 21737 | 26791 |
| 2602.5 | 34667 | 15700 | 2290 | 5066 | 23056 | 28122 |
| 2603.0 | 35200 | 17600 | 2297 | 5077 | 24974 | 30051 |
| 2603.5 | 35733 | 19600 | 2304 | 5089 | 26993 | 32082 |
| 2604.0 | 36267 | 21000 | 2311 | 5100 | 28411 | 33511 |
| 2604.5 | 36800 | 22600 | 2318 | 5111 | 30029 | 35140 |
| 2605.0 | 37333 | 24200 | 2325 | 5123 | 31648 | 36771 |
| 2605.5 | 37867 | 26500 | 2332 | 5134 | 33966 | 39100 |
| 2606.0 | 38400 | 28000 | 2339 | 5145 | 35484 | 40629 |
| 2606.5 | 38933 | 29900 | 2346 | 5157 | 37403 | 42560 |
| 2607.0 | 39467 | 31600 | 2353 | 5168 | 39121 | 44289 |
| 2607.5 | 40000 | 34000 | 2360 | 5179 | 41539 | 46718 |

Notes - Tunnel discharge assumes existing gates at intake regulate flow

Spillway discharge from spillway rating curve, or  $Q=C*L*H^{1.5}$  with  $C>2.8$

Penstock discharge assumes existing conditions over operating range

Storage-elevation from 2004 curve at 10-foot intervals, with interpolations

All elevations in project datum as shown on design drawings.

Iron Gate Dam - Diversion Capacities During Dam Removal (Streambed El. 2154 - rock foundation\*)

Key Elevations - Dam Crest El. 2343, Spillway Crest El. 2328, Spillway Throat Control El. 2289

Penstock Invert El. 2293, Top of Dead (tunnel invert) El. 2175

16.5 by 18

Mod.

| RWS<br>feet | Storage<br>acre-feet | Spillway<br>cfs | Penstock<br>cfs | Tunnel<br>cfs | Total<br>cfs | Throat<br>cfs |
|-------------|----------------------|-----------------|-----------------|---------------|--------------|---------------|
| 2154        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2155        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2156        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2157        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2158        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2159        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2160        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2161        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2162        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2163        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2164        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2165        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2166        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2167        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2168        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2169        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2170        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2171        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2172        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2173        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2174        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2175        | 0                    | 0               | 0               | 0             | 0            | 0             |
| 2176        | 0                    | 0               | 0               | 47            | 47           | 0             |
| 2177        | 0                    | 0               | 0               | 132           | 132          | 0             |
| 2178        | 0                    | 0               | 0               | 242           | 242          | 0             |
| 2179        | 0                    | 0               | 0               | 372           | 372          | 0             |
| 2180        | 0                    | 0               | 0               | 520           | 520          | 0             |
| 2181        | 3                    | 0               | 0               | 683           | 683          | 0             |
| 2182        | 6                    | 0               | 0               | 861           | 861          | 0             |
| 2183        | 9                    | 0               | 0               | 1052          | 1052         | 0             |
| 2184        | 12                   | 0               | 0               | 1256          | 1256         | 0             |
| 2185        | 15                   | 0               | 0               | 1470          | 1470         | 0             |
| 2186        | 18                   | 0               | 0               | 1696          | 1696         | 0             |
| 2187        | 21                   | 0               | 0               | 1933          | 1933         | 0             |
| 2188        | 24                   | 0               | 0               | 2180          | 2180         | 0             |
| 2189        | 27                   | 0               | 0               | 2436          | 2436         | 0             |
| 2190        | 30                   | 0               | 0               | 2701          | 2701         | 0             |
| 2191        | 87                   | 0               | 0               | 2976          | 2976         | 0             |
| 2192        | 144                  | 0               | 0               | 3259          | 3259         | 0             |
| 2193        | 201                  | 0               | 0               | 3438          | 3438         | 0             |
| 2194        | 258                  | 0               | 0               | 3557          | 3557         | 0             |
| 2195        | 315                  | 0               | 0               | 3671          | 3671         | 0             |
| 2196        | 372                  | 0               | 0               | 3783          | 3783         | 0             |
| 2197        | 429                  | 0               | 0               | 3891          | 3891         | 0             |
| 2198        | 486                  | 0               | 0               | 3996          | 3996         | 0             |
| 2199        | 543                  | 0               | 0               | 4098          | 4098         | 0             |
| 2200        | 600                  | 0               | 0               | 4198          | 4198         | 0             |
| 2201        | 680                  | 0               | 0               | 4296          | 4296         | 0             |

|      |       |   |   |      |      |   |
|------|-------|---|---|------|------|---|
| 2202 | 760   | 0 | 0 | 4392 | 4392 | 0 |
| 2203 | 840   | 0 | 0 | 4485 | 4485 | 0 |
| 2204 | 920   | 0 | 0 | 4577 | 4577 | 0 |
| 2205 | 1000  | 0 | 0 | 4666 | 4666 | 0 |
| 2206 | 1080  | 0 | 0 | 4754 | 4754 | 0 |
| 2207 | 1160  | 0 | 0 | 4841 | 4841 | 0 |
| 2208 | 1240  | 0 | 0 | 4926 | 4926 | 0 |
| 2209 | 1320  | 0 | 0 | 5009 | 5009 | 0 |
| 2210 | 1400  | 0 | 0 | 5091 | 5091 | 0 |
| 2211 | 1520  | 0 | 0 | 5172 | 5172 | 0 |
| 2212 | 1640  | 0 | 0 | 5252 | 5252 | 0 |
| 2213 | 1760  | 0 | 0 | 5330 | 5330 | 0 |
| 2214 | 1880  | 0 | 0 | 5407 | 5407 | 0 |
| 2215 | 2000  | 0 | 0 | 5484 | 5484 | 0 |
| 2216 | 2120  | 0 | 0 | 5559 | 5559 | 0 |
| 2217 | 2240  | 0 | 0 | 5633 | 5633 | 0 |
| 2218 | 2360  | 0 | 0 | 5706 | 5706 | 0 |
| 2219 | 2480  | 0 | 0 | 5778 | 5778 | 0 |
| 2220 | 2600  | 0 | 0 | 5850 | 5850 | 0 |
| 2221 | 2780  | 0 | 0 | 5920 | 5920 | 0 |
| 2222 | 2960  | 0 | 0 | 5990 | 5990 | 0 |
| 2223 | 3140  | 0 | 0 | 6058 | 6058 | 0 |
| 2224 | 3320  | 0 | 0 | 6127 | 6127 | 0 |
| 2225 | 3500  | 0 | 0 | 6194 | 6194 | 0 |
| 2226 | 3680  | 0 | 0 | 6260 | 6260 | 0 |
| 2227 | 3860  | 0 | 0 | 6326 | 6326 | 0 |
| 2228 | 4040  | 0 | 0 | 6392 | 6392 | 0 |
| 2229 | 4220  | 0 | 0 | 6456 | 6456 | 0 |
| 2230 | 4400  | 0 | 0 | 6520 | 6520 | 0 |
| 2231 | 4600  | 0 | 0 | 6583 | 6583 | 0 |
| 2232 | 4800  | 0 | 0 | 6646 | 6646 | 0 |
| 2233 | 5000  | 0 | 0 | 6708 | 6708 | 0 |
| 2234 | 5200  | 0 | 0 | 6770 | 6770 | 0 |
| 2235 | 5400  | 0 | 0 | 6831 | 6831 | 0 |
| 2236 | 5600  | 0 | 0 | 6891 | 6891 | 0 |
| 2237 | 5800  | 0 | 0 | 6951 | 6951 | 0 |
| 2238 | 6000  | 0 | 0 | 7011 | 7011 | 0 |
| 2239 | 6200  | 0 | 0 | 7069 | 7069 | 0 |
| 2240 | 6400  | 0 | 0 | 7128 | 7128 | 0 |
| 2241 | 6640  | 0 | 0 | 7186 | 7186 | 0 |
| 2242 | 6880  | 0 | 0 | 7243 | 7243 | 0 |
| 2243 | 7120  | 0 | 0 | 7300 | 7300 | 0 |
| 2244 | 7360  | 0 | 0 | 7357 | 7357 | 0 |
| 2245 | 7600  | 0 | 0 | 7413 | 7413 | 0 |
| 2246 | 7840  | 0 | 0 | 7469 | 7469 | 0 |
| 2247 | 8080  | 0 | 0 | 7524 | 7524 | 0 |
| 2248 | 8320  | 0 | 0 | 7579 | 7579 | 0 |
| 2249 | 8560  | 0 | 0 | 7634 | 7634 | 0 |
| 2250 | 8800  | 0 | 0 | 7688 | 7688 | 0 |
| 2251 | 9120  | 0 | 0 | 7742 | 7742 | 0 |
| 2252 | 9440  | 0 | 0 | 7795 | 7795 | 0 |
| 2253 | 9760  | 0 | 0 | 7848 | 7848 | 0 |
| 2254 | 10080 | 0 | 0 | 7901 | 7901 | 0 |
| 2255 | 10400 | 0 | 0 | 7953 | 7953 | 0 |
| 2256 | 10720 | 0 | 0 | 8005 | 8005 | 0 |
| 2257 | 11040 | 0 | 0 | 8057 | 8057 | 0 |

|      |       |   |      |       |       |       |
|------|-------|---|------|-------|-------|-------|
| 2258 | 11360 | 0 | 0    | 8108  | 8108  | 0     |
| 2259 | 11680 | 0 | 0    | 8159  | 8159  | 0     |
| 2260 | 12000 | 0 | 0    | 8210  | 8210  | 0     |
| 2261 | 12380 | 0 | 0    | 8260  | 8260  | 0     |
| 2262 | 12760 | 0 | 0    | 8310  | 8310  | 0     |
| 2263 | 13140 | 0 | 0    | 8360  | 8360  | 0     |
| 2264 | 13520 | 0 | 0    | 8409  | 8409  | 0     |
| 2265 | 13900 | 0 | 0    | 8458  | 8458  | 0     |
| 2266 | 14280 | 0 | 0    | 8507  | 8507  | 0     |
| 2267 | 14660 | 0 | 0    | 8556  | 8556  | 0     |
| 2268 | 15040 | 0 | 0    | 8604  | 8604  | 0     |
| 2269 | 15420 | 0 | 0    | 8652  | 8652  | 0     |
| 2270 | 15800 | 0 | 0    | 8700  | 8700  | 0     |
| 2271 | 16220 | 0 | 0    | 8748  | 8748  | 0     |
| 2272 | 16640 | 0 | 0    | 8795  | 8795  | 0     |
| 2273 | 17060 | 0 | 0    | 8842  | 8842  | 0     |
| 2274 | 17480 | 0 | 0    | 8889  | 8889  | 0     |
| 2275 | 17900 | 0 | 0    | 8935  | 8935  | 0     |
| 2276 | 18320 | 0 | 0    | 8982  | 8982  | 0     |
| 2277 | 18740 | 0 | 0    | 9028  | 9028  | 0     |
| 2278 | 19160 | 0 | 0    | 9073  | 9073  | 0     |
| 2279 | 19580 | 0 | 0    | 9119  | 9119  | 0     |
| 2280 | 20000 | 0 | 0    | 9164  | 9164  | 0     |
| 2281 | 20530 | 0 | 0    | 9210  | 9210  | 0     |
| 2282 | 21060 | 0 | 0    | 9254  | 9254  | 0     |
| 2283 | 21590 | 0 | 0    | 9299  | 9299  | 0     |
| 2284 | 22120 | 0 | 0    | 9344  | 9344  | 0     |
| 2285 | 22650 | 0 | 0    | 9388  | 9388  | 0     |
| 2286 | 23180 | 0 | 0    | 9432  | 9432  | 0     |
| 2287 | 23710 | 0 | 0    | 9476  | 9476  | 0     |
| 2288 | 24240 | 0 | 0    | 9520  | 9520  | 0     |
| 2289 | 24770 | 0 | 0    | 9563  | 9563  | 0     |
| 2290 | 25300 | 0 | 0    | 9606  | 9606  | 158   |
| 2291 | 25890 | 0 | 0    | 9649  | 9649  | 450   |
| 2292 | 26480 | 0 | 0    | 9692  | 9692  | 830   |
| 2293 | 27070 | 0 | 0    | 9735  | 9735  | 1283  |
| 2294 | 27660 | 0 | 95   | 9777  | 9872  | 1801  |
| 2295 | 28250 | 0 | 175  | 9820  | 9995  | 2377  |
| 2296 | 28840 | 0 | 255  | 9862  | 10117 | 3008  |
| 2297 | 29430 | 0 | 335  | 9904  | 10239 | 3690  |
| 2298 | 30020 | 0 | 415  | 9946  | 10361 | 4420  |
| 2299 | 30610 | 0 | 495  | 9987  | 10482 | 5198  |
| 2300 | 31200 | 0 | 575  | 10029 | 10604 | 6021  |
| 2301 | 31870 | 0 | 655  | 10070 | 10725 | 6888  |
| 2302 | 32540 | 0 | 735  | 10111 | 10846 | 7797  |
| 2303 | 33210 | 0 | 815  | 10152 | 10967 | 8748  |
| 2304 | 33880 | 0 | 895  | 10193 | 11088 | 9740  |
| 2305 | 34550 | 0 | 975  | 10233 | 11208 | 10772 |
| 2306 | 35220 | 0 | 1055 | 10274 | 11329 | 11844 |
| 2307 | 35890 | 0 | 1135 | 10314 | 11449 | 12955 |
| 2308 | 36560 | 0 | 1215 | 10354 | 11569 | 14103 |
| 2309 | 37230 | 0 | 1295 | 10394 | 11689 | 15290 |
| 2310 | 37900 | 0 | 1375 | 10434 | 11809 | 16514 |
| 2311 | 38700 | 0 | 1395 | 10474 | 11869 | 17776 |
| 2312 | 39500 | 0 | 1415 | 10513 | 11928 | 19074 |
| 2313 | 40300 | 0 | 1435 | 10553 | 11988 | 20409 |

|      |       |   |      |       |       |       |
|------|-------|---|------|-------|-------|-------|
| 2314 | 41100 | 0 | 1455 | 10592 | 12047 | 21780 |
| 2315 | 41900 | 0 | 1475 | 10631 | 12106 | 23187 |
| 2316 | 42700 | 0 | 1495 | 10670 | 12165 | 24629 |
| 2317 | 43500 | 0 | 1515 | 10709 | 12224 | 26108 |
| 2318 | 44300 | 0 | 1535 | 10747 | 12282 | 27621 |
| 2319 | 45100 | 0 | 1555 | 10786 | 12341 | 29170 |
| 2320 | 45900 | 0 | 1575 | 10824 | 12399 | 30754 |
| 2321 | 46888 | 0 | 1595 | 10863 | 12458 | 32373 |
| 2322 | 47875 | 0 | 1615 | 10901 | 12516 | 34027 |
| 2323 | 48863 | 0 | 1635 | 10939 | 12574 | 35716 |
| 2324 | 49850 | 0 | 1655 | 10977 | 12632 | 37440 |
| 2325 | 50838 | 0 | 1675 | 11014 | 12689 | 39198 |
| 2326 | 51825 | 0 | 1695 | 11052 | 12747 | 40990 |
| 2327 | 52813 | 0 | 1715 | 11089 | 12804 | 42817 |
| 2328 | 53800 | 0 | 1735 | 11127 | 12862 | 44678 |

Notes - All elevations in project datum as shown on design drawings.  
 Spillway throat control calculations require excavation of the approach channel and weir.  
 Tunnel discharge assumes new regulating gate in gate shaft controls releases.