

**COPPER RIVER HIGHWAY CULVERTS**

| MILE         | STATION        | STREAM_NAME                          | LATITUDE     | LONGITUDE     | DIAMETER | SPAN | RISE | LENGTH   | NOTES  |
|--------------|----------------|--------------------------------------|--------------|---------------|----------|------|------|----------|--|
| <b>MP 11</b> | 539+49         |                                      |              |               |          |      |      |          |  |
| 11.43        | 562+00         |                                      |              |               | 24       |      |      | 56.4     | Installed 1968   |
| 11.67        | 574+70         |                                      | 60.497918    | -145.483775   | 24       |      |      | 64.4     | Installed 1968   |
| 11.74        | 578+70         |                                      | 60.497811    | -145.481603   | 24       |      |      | 108.9    | Installed 1968   |
| 11.76        | <b>579+50</b>  |                                      |              |               |          |      |      |          | DOT M&O access, Cabin Lake Road  |
| 11.78        | 580+65         |                                      |              |               | 24       |      |      | 90.6     | Installed 1968   |
| <b>MP 12</b> | <b>591+18</b>  |                                      |              |               |          |      |      |          |  |
| 12.09        | 595+78         |                                      | 60.496976    | -145.472293   | 24       |      |      | 120.7    | Installed 1968   |
| 12.10        | <b>596+46</b>  |                                      |              |               |          |      |      |          | Cabin Lake Loop Road Left / Airport Right  |
| 12.11        | 597+03         | cop0, Sheridan? River Tributary      | 60.49675     | -145.47156    | 36       |      |      | 121      | Installed 1968, Coho & Dollys, 212-10-10020-2007-3022-4031   |
| 12.18        | 600+65         |                                      |              |               | 24       |      |      | 74.5     | Installed 1968   |
| 12.51        | 618+19         |                                      |              |               | 24       |      |      | 74       | Installed 1968   |
| 12.78        | 632+18         | cop01, Glacier River Tributary No. 1 | 60.491623    | -145.455474   | 36       | 3    | 2.95 | 88.5/120 | 1968, Coho, Inlet 36" galvanized, Outlet 48"x28" aluminum, NO FLOW, Badly rusted inlet, outlet submerged, log sticking out from outlet |
| 12.82        | 634+45         |                                      | 60.491181    | -145.454514   | 24       |      |      | 74.4     | 1968, M&O???   |
| 12.94        | 640+55         | Glacier River Tributary No. 2        |              |               | 24       |      |      | 64.4     | 1968.0   |
| 12.98        | 642+20         |                                      | 60.489765    | -145.45141    | 24       |      |      | 88.5     | 1968, Aluminum   |
| <b>MP 13</b> | <b>~645+19</b> |                                      | N60° 29.348' | W145° 27.014' |          |      |      |          |  |
| 13           | 646+19         | cop02                                | 60.489034    | -145.449803   | 36       | 2.8  | 2.9  | 120.7    | Coho,  |
| 13.19        | "L"654+08      | Glacier River Tributary No. 4        | -145.446165  | 60.487391     | 72       |      |      | 156      | Installed 1962, extended 52' in 1967 to 104', Airport Bypass Built 1968  |
| 13.59        | <b>676+29</b>  | Sheridan Glacier Road                |              |               |          |      |      |          | Sheridan Glacier Road, 1961  |
| 13.7         | 678+33         | cop03                                | 60.48426     | -145.432378   |          | 72   | 44   |          | Twin CMPA's in 1962, DOT Surveyed in 2009, 4 COHO FRY VIEWED ABOVE CULVERT, 2 BELOW  |
| 13.7         | "O"678+33      | cop03                                | 60.48426     | -145.432378   |          | 72   | 44   |          | Fish, coho, 4 COHO FRY VIEWED ABOVE CULVERT, 2 BELOW   |
| 13.77        | "O"681+80      |                                      |              |               | 24       |      |      | 56       | 1962   |
| 13.96        | "O"690+76      | cop04                                | 60.48273     | -145.42597    | 36       | 3    | 3    | 66       | 1962, NO FISH OBSERVED, Minnows, 212-10-10020-2019? 706+00 in 1961   |
| <b>MP 14</b> | <b>~693+80</b> |                                      |              |               |          |      |      |          |  |
| 14.17        | "O"702+56      | cop05                                | 60.48155     | -145.42003    | 2.5      | 3    | 2.5  | 67.5     | 1962, 4 COHO FRY VIEWED ABOVE CULVERT  |
| 14.23        | 706+00         | cop06                                | 60.481173    | -145.418428   | 48       | 4    | 4    | 74       | Twin 48"1961 (706+00), ADULT SALMON JAW AND DV ABOVE INLET, COHO FRY AND JUV DV BELOW OUTLET   |
| 14.24        | 706+93         | cop06                                |              |               | 48       |      |      | 66       | 212-10-10020-2019, 20100471 (707+14?)  |
| 14.25        | 708+00         |                                      | 60.48105     | -145.417896   |          |      |      |          | M&O culvert shape file   |
| 14.52        | 721+30         | cop07                                | 60.479448    | -145.410718   | 60       |      |      | 81       | 1961, Coho, - Station/size on brass plate  |
| 14.65        | 728+00         | cop08                                | 60.4786      | -145.40733    | 60       | 6    | 6    | 91       | 1967/68, 6 COHO FRY ABOVE CULVERT  |
| <b>14.80</b> | <b>736+00</b>  | Sheridan Glacier Stream #3           |              |               |          |      |      |          | Sheridan Glacier Stream #3, Bridge #230, 1961  |
| <b>MP 15</b> | <b>~748+50</b> |                                      | N60° 28.578' | W145° 23.918' |          |      |      |          |  |
| 15.3         | 765+00         | cop09                                | 60.47447     | -145.38847    | 48       | 2.1  | 2.2  | 66       | Coho, Riprap inlet and outlet (1967), 1 UNIDENTIFIED FISH BELOW CULVERT  |
| 15.40        | 770+50         |                                      |              |               | 18       |      |      | 54       | Approach Left  |
| 15.55        | 777+89         |                                      |              |               | 24       |      |      | 68.6     | 1967   |
| 15.73        | 787+49         |                                      |              |               | 24       |      |      | 68       | 1967   |
| 15.86        | 794+00         | cop10                                | 60.471248    | -145.374025   | 60       | 0.7  | 1.1  | 90.8     | Stickleback, Aluminum, inlet damage, Riprap inlet & outlet   |
| 15.9         | 796+37         | cop11                                | 60.47091     | -145.37256    | 60       | 2    | 1.4  | 94.3     | Stickleback, Riveted Aluminum, riprap at inlet, inlet damage   |
| 15.96        | 799+62         |                                      |              |               | 36       |      |      | 86.6     | 1967   |
| <b>MP 16</b> | <b>~801+60</b> | est. sta.                            | 60° 28.215'  | W145° 22.196' |          |      |      |          |  |
| 16.12        | 808+02         | cop12                                | 60.46955     | -145.36687    | 60       | 5    | 5    | 76       | Coho,Riprap inlet and outlet (1967)  |
| 16.19        | 811+57         |                                      |              |               | 24       |      |      | 98.7     | 1967   |
| 16.42        | 823+52         | cop13                                | 60.467921    | -145.359208   | 48       | 4    | 2.2  | 66.5     | Riprap inlet and outlet (1967)   |
| 16.53        | 829+66         | cop14                                | 60.467213    | -145.356034   | 48       | 4    | 4    | 68.5     | Riprap inlet and outlet (1967)   |

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|--------------|--------------|----------------------------------|-----------|-------------|----------|----------|------|--------|--|
| 16.64        | 835+43       | cop15                            | 60.466556 | -145.35312  | 36       | 2.7      | 1.5  | 70.5   | 1967, 1 DEAD DV ABOVE CULVERT  |
| 16.81        | 844+60       | cop16                            | 60.465512 | -145.348339 | 72       | 6        | 6    | 64     | Riprap inlet and outlet (1967), <b>To Be replaced w/16'8"x7'6"x72' 2018??</b> , DV JUV ABOVE AND BELOW CULVERT       |
| 16.84        | 846+20       |                                  |           |             |          |          |      |        | Approach (1967)  |
| <b>MP 17</b> | ~854+90      | est. sta.                        |           |             |          |          |      |        |  |
| 17.41        | 875+77       | cop17 (48"?)                     | 60.463819 | -145.33158  | 60       | 4        | 4    | 77.2   | Coho,Riprap inlet and outlet (1967)  |
| 17.52        | 881+96       | cop18                            | 60.46335  | -145.32802  | 48       | 4        | 4    | 66.4   | Riprap inlet and outlet (1967), 1 COHO FRY ABOVE CULVERT   |
| 17.61        | 886+39       |                                  |           |             | 48       |          |      | 54.5   | 1967   |
| 17.7         | 891+28       | cop19                            | 60.463131 | -145.323134 | 48       | 4        | 4    | 68.4   | Riprap inlet and outlet (1967), 2 COHO FRY ABOVE CULVERT   |
| 17.78        | 895+48       | cop20, West Fork 18 Mile Creek   | 60.462948 | -145.320836 | 60       | 4        | 5    | 48.3   | Riprap inlet and outlet (1967), DV JUV BELOW CULVERT   |
| <b>MP 18</b> | ~907+36      |                                  | 60.46235  | -145.314190 |          |          |      |        |  |
| 18.06        | 910+21       | cop21                            | 60.46223  | -145.31261  | 60       | 4.6      | 2.7  | 60.4   | Coho, Riprap inlet and outlet (1967)   |
| 18.22        | 918+78       | cop22, Middle Fork 18 Mile Creek | 60.46182  | -145.30807  | 72       | 6        | 6    | 60.5   | Riprap inlet and outlet (1967), 2 COHO FRY BELOW CULVERT   |
| 18.38        | 927+27       | cop23                            | 60.461531 | -145.303477 | 48       | 4        | 4    | 52.5   | Coho, Riprap inlet and outlet (1967)   |
| 18.52        | 934+98       | cop24                            | 60.461181 | -145.299179 | 24       | 2        | 2    | 60.4   | Coho, 1967   |
| 18.68        | "L"44+50     |                                  |           |             | 36       |          |      | 40     |  |
| 18.74        | "L" 47+95    | cop25, East Fork 18 Mile Creek   | 60.46065  | -145.29271  | 72       | 6        | 6    | 61     | 1 DV JUV ABOVE AND 6 DV JUV 1 COHO FRY BELOW   |
| 18.74        | "L" 47+95    | cop25, East Fork 18 Mile Creek   | 60.46065  | -145.29271  | 72       | 6        | 6    | 61     | 1 DV JUV ABOVE AND 6 DV JUV 1 COHO FRY BELOW   |
| 18.83        | "L" 53+08    | cop26                            | 60.460429 | -145.290011 | 24       | 2        | 2    | 40     | DV JUV AND COHO FRY BELOW CULVERT, POSSIBLE BARRIER ABOVE INLET  |
| 18.9         | "L" 56+50    | cop27                            | 60.46028  | -145.288149 | 24/18?   | 2        | 1.4  | 40     | DV JUV BELOW OUTLET  |
| 18.99        | "O"62+70     | cop28                            | 60.45986  | -145.28447  | 60       | 5        | 4.8  | 47     | 1 DV JUV ABOVE CULVERT,  |
| <b>MP 19</b> | ~"O"63+27    |                                  | 60.459865 | -145.284104 |          |          |      |        |  |
|              | "L"72+66     | PROPOSED on 1983 Plans           |           |             | 48       | PROPOSED |      | 68     |  |
| 19.3         | "L"78+91     | cop29                            | 60.457612 | -145.277359 | 36       | 3        | 3    | 51     | FISH PRESENT ABOVE CULVERT, NO I.D.  |
|              | "L"80+90     | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 74     |  |
|              | "L"82+57     | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 70     |  |
|              | "L"84+44     | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 70     |  |
|              | "L"96+20     | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 66     |  |
|              | "L"89+45     | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 64     |  |
|              | "L"92+30     | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 66     |  |
|              | "L"96+00     | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 68     |  |
|              | "L"98+00     | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 68     |  |
|              | "L"100+00    | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 70     |  |
| 19.79        | "L"105+14    | cop30, West Goose Meadow         | 60.452964 | -145.266107 | 60       |          | 4.5  | 60     | FISH PRESENT ABOVE CULVERT, NO I.D.  |
| <b>MP 20</b> | ~"L"117+10   | extrapolated                     | 60.451025 | -145.261424 |          |          |      |        |  |
| 20.14        | ~"L"123+66   | cop31, Goose Meadow East         | 60.449696 | -145.258196 |          | 15'4"    | 10'  | 105    | <b>Replaced in 2016 - COHO FRY PRESENT ABOVE AND BELOW CULVERT, AWC Stream #: 212-10-10010-2047-3051?, 20100497?</b> |
|              | "L"128+00    | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 66     |  |
|              | "L"130+00    | PROPOSED on 1983 Plans           |           |             | 48       | PROPOSED |      | 64     |  |
|              | "L"134+00    | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 66     |  |
|              | "L"136+00    | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 66     |  |
|              | "L"137+00    | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 70     |  |
|              | "L"140+00    | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 68     |  |
|              | "L"142+49    | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 68     |  |
|              | "L"144+41    | PROPOSED on 1983 Plans           |           |             | 36       | PROPOSED |      | 68     |  |
|              | "O"145+53.47 | PROPOSED REROUTE ON 1983 Plans   |           |             |          |          |      |        |  |
| 20.55        | "O"146+15    | cop32                            | 60.445787 | -145.248702 | 48       | 4        | 4    | 40     | COHO FRY PRESENT BELOW CULVERT   |

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| 20.55         | "O"146+15        | cop32                                     | 60.445787 | -145.248702 | 48       | 4        | 4    | 40     | COHO FRY PRESENT BELOW CULVERT                           |
| 20.71         | "L"154+80        | cop33, Black Hole                         | 60.445362 | -145.244131 | 60       | 4        | 3.6  | 79     | COHO FRY ABOVE CULVERT                                   |
| 20.80         | "L"159+44        | cop34                                     | 60.444983 | -145.241815 | 60       | 6        | 6    | 40     | No habitat, DOT ID'd fish u/s 5/6/15                     |
| 20.85         | "L"161+83        |   | 60.444526 | -145.240696 | 24       |          |      | 54     |  |
| 20.89         | "L"164+15        |   | 60.444174 | -145.239453 | 24       |          |      | 55     |  |
|               | ~"O"169+00       | PROPOSED REROUTE ON 1983 Plans            |           |             |          |          |      |        |  |
|               | "L"169+75        | PROPOSED on 1983 Plans                    |           |             | 36       | PROPOSED |      | 66     |  |
| <b>MP 21</b>  | ~"O"171+46       |   |           |             |          |          |      |        |  |
| 21.08         | "O"175+55        |   |           |             | 18       |          |      | 22     |  |
|               | "O"181+25        | PROPOSED on 1983 Plans                    |           |             | 36       | PROPOSED |      | 84     |  |
| 21.33         | "O"189+02        | cop35, 185+79?                            | 60.444290 | -145.227820 | 24       | 2        | 1.3  | 37     | No habitat, FILLED WITH GRAVEL                           |
| 21.41         | "O"193+37        | cop36, Pipeline Trail Creek               | 60.444313 | -145.223674 | 4        | 4        | 4    | 49     | COHO FRY ABOVE CULVERT                                   |
| 21.42         |                  | cop36, Pipeline Trail Creek               | 60.444313 | -145.223674 | 4        | 4        | 4    | 50     | COHO FRY ABOVE CULVERT                                   |
|               | ~"O"195+22       |   | 60.442210 | -145.222670 |          |          |      |        | M&O Culvert shape file                                   |
|               | "O"195+30        | PROPOSED on 1983 Plans                    |           |             | 36       | PROPOSED |      | 70     |  |
| 21.48         | "O"196+50        |   | 60.44403  | -145.22186  | 60       |          |      | 48     | DOT ID'd fish u/s 5/6/15                                 |
| 21.56         | "O"200+91        |   | 60.443520 | -145.219740 | 24       |          |      | 44     |  |
| 21.62         | "O"203+75        | cop37, Pipeline 4 Creek, McKinley Stream? | 60.443006 | -145.218629 | 4        | 4        | 4    | 72     | DOT ID'd fish u/s 5/6/15, Skewed Lt. Ahd.                |
| 21.73         | "O"210+03        |   | 60.441536 | -145.216878 | 24       |          |      | 40     |  |
|               | "O"215+27        | PROPOSED on 1983 Plans                    |           |             | 48       | PROPOSED |      | 70     |  |
| 21.94         | "O"220+87        | cop38                                     | 60.438583 | -145.215301 | 36       | 3        | 3    | 42     | HEAVY DEBRIS IN CULVERT                                  |
| <b>MP 22</b>  | ~"O"221+50       |   |           |             |          |          |      |        |  |
|               | <b>"O"224+81</b> | <b>REROUTED in 1987</b>                   |           |             |          |          |      |        |  |
|               | "O"224+96        | PROPOSED on 1983 Plans                    |           |             | 36       | PROPOSED |      | 56     |  |
| <b>22.22</b>  | "O"233+23        | Alaganik Slough Bridge Begin              |           |             |          |          |      |        |  |
| <b>22.25</b>  | "O"234+83        | Alaganik Slough Bridge End                |           |             |          |          |      |        |  |
| 22.53         | "O"249+40        |   |           |             | 36       |          |      | 72     |  |
| 22.56         | "O"251+18        |   |           |             | 36       |          |      | 60     |  |
|               | <b>"O"260+00</b> | <b>REROUTED in 1987</b>                   |           |             |          |          |      |        |  |
| 22.8          | "O"263+90        | cop39, Wrongway Creek                     | 60.43633  | -145.196008 | 102      | 8        | 8    | 45     | COHO FRY BELOW CULVERT, 3 DEAD SOCKEY ADULTS ABOVE INLET |
|               | ~"O"273+75       | NEED PIPE?                                |           |             |          |          |      |        | NEED PIPE?   |
| <b>~MP 23</b> | ~"O"274+52       | extrapolated                              | 60.436913 | -145.190083 |          |          |      |        |  |
|               | ~"O"275+50       | NEED PIPE?                                |           |             |          |          |      |        | NEED PIPE?   |
|               | "O"290+86        | PROPOSED on 1983 Plans                    |           |             | 36       | PROPOSED |      | 64     |  |
| ~23.47        | "O"299+44        |   |           |             | 24       |          |      | 25     |  |
| ~23.47        | "O"299+48        |   |           |             | 24       |          |      | 28     |  |
|               | <b>"O"311+00</b> | <b>1986 Project Begin</b>                 |           |             |          |          |      |        |  |
| 23.8          | "O"317+33        | cop40, Salmon Creek                       | 60.43917  | -145.16688  | 120      |          |      | 92     | REPLACED IN 1987 - TOO DEEP TO SURVEY                    |
| 23.81         | "O"317+47        | cop40, Salmon Creek                       | 60.43917  | -145.16688  | 120      |          |      | 92     | REPLACED IN 1987   |
|               | <b>"O"323+00</b> | <b>1986 Project End</b>                   |           |             |          |          |      |        |  |
| 23.99         | "O"326+63        |   |           |             | 24       |          |      | 28     |  |
|               | "O"329+87        | PROPOSED on 1983 Plans                    |           |             | 48       | PROPOSED |      | 68     |  |
| <b>MP ~24</b> | ~"O"330+94       | extrapolated                              | 60.439766 | -145.161429 |          |          |      |        |  |
| 24.03         | "O"332+30        |   |           |             | 60       |          |      | 32     |  |
| 24.05         | "O"333+59        |   |           |             | 24       |          |      | 32     |  |

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|               | "O"335+00       | PROPOSED on 1983 Plans  |           |             | 48       | PROPOSED |      | 80     |  |
| 24.23         | "O"343+23       |   |           |             | 24       |          |      | 46     |  |
| 24.28         | "O"345+61       |   |           |             | 30       |          |      | 37     |  |
| 24.43         | "O"353+61       |   |           |             | 30       |          |      | 40     |  |
|               | "O"355+85       | PROPOSED on 1983 Plans  |           |             | 36       | PROPOSED |      | 70     |  |
|               | "O"364+85       | PROPOSED on 1983 Plans  |           |             | 36       | PROPOSED |      | 72     |  |
| 24.70         | "O"67+74        | cop41   | 60.441943 | -145.139689 | 36       | 3        | 3    | 39     | Unknown fish   |
| 24.8          | "O"372+82       | cop42, Saddlebag Pond   | 60.442223 | -145.136841 | 24       | 3        | 3    | 40     | Coho, SUBMERGED OUTLET   |
| 24.89         | "O"377+59       | cop43   | 60.44247  | -145.134271 | 48       | 3        | 3    | 43     | SOCKEYE FRY ABOVE AND BELOW CULVERT  |
| <b>MP ~25</b> | ~"O"386+71      |   |           |             |          |          |      |        |  |
| 25.03         | "O"388+06       | cop44   | 60.443048 | -145.12858  | 36       | 4.8      | 3.6  | 38     | Coho, 20100510, AWC 212-20-10110, Replaced by M&O but not sized for fish passage and too short |
| 25.07         | "O"390+28       | cop45?  | 60.443162 | -145.127436 | 36       | 4.6      | 2.5  | 60     | COHO FRY PRESENT ABOVE CULVERT, Replaced by M&O but not sized for fish passage and too short   |
| 25.11         | "O"392+62       |   | 60.443299 | -145.126156 | 36       |          |      | 60     | M&O  |
|               | "O"399+86       | PROPOSED on 1983 Plans  |           |             | 36       | PROPOSED |      | 78     |  |
| 25.31         | "O"402+94       | cop46   | 60.443847 | -145.120598 | 60       | 4        | 4    | 47     | Coho   |
| 25.39         | "O"407+03       | cop47   | 60.444069 | -145.118317 | 48       | 4        | 4    | 43     | Coho   |
| 25.5          | "O"413+00       | cop48   | 60.44429  | -145.11483  | 48       | 4        | 4    | 47     | Coho   |
| 25.91         | "O"434+50       | END OF PROJECT MP 18-27 PHASE II PLANS (1983) - NOT CONSTRUCTED |           |             |          |          |      |        |  |
| 25.91         | 105+39          |   | 60.445570 | -145.103084 | 48       |          |      | 88     | M&O Culvert Shape File   |
| <b>MP 26</b>  | ~109+22         |   | 60.445762 | -145.100852 |          |          |      |        |  |
| 26.25         | 122+79          | cop49   | 60.44663  | -145.09368  | 48       |          |      | 86     | Coho   |
| 26.39         | 130+00          |   |           |             | 24       |          |      | 50     | Approach LT.   |
| 26.55         | 144+96 - 149+50 | FLAG POINT BRIDGE #331  |           |             |          |          |      |        |  |

Note: Rows Highlighted in Pink are Fish Streams