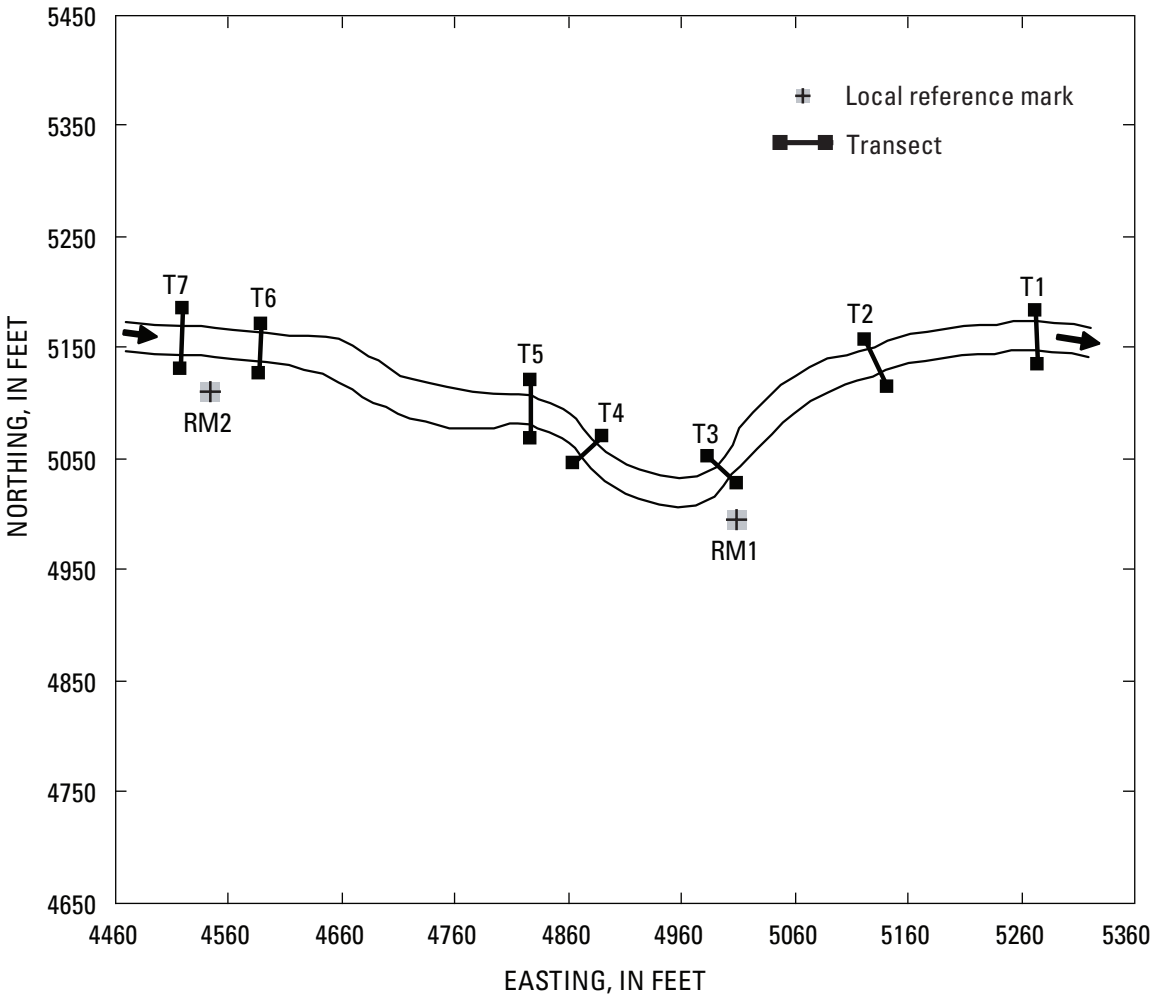
**Appendix G.** Plan view, weighted usable areas, and passage criteria assessments for bull trout, Chinook salmon, steelhead trout, and invertebrates for lower Challis Creek (CH1), upper Salmon River Basin, Idaho, 2005.




Transect Endpoint Coordinates (NAD 83)

| Point | Latitude | Longitude |
|---|---|---|
| RH1 | 44° 34' 10.97" N | 114° 11' 19.61" W |
| LH1 | 44° 34' 10.6" N | 114° 11' 19.61" W |
| RH2 | 44° 34' 10.72" N | 114° 11' 21.78" W |
| LH2 | 44° 34' 10.41" N | 114° 11' 21.51" W |
| RH3 | 44° 34' 9.85" N | 114° 11' 23.82" W |
| LH3 | 44° 34' 9.68" N | 114° 11' 23.43" W |
| RH4 | 44° 34' 9.97" N | 114° 11' 25.13" W |

Transect Endpoint Coordinates (NAD 83)

| Point | Latitude | Longitude |
|---|---|---|
| LH4 | 44° 34' 9.76" N | 114° 11' 25.49" W |
| RH5 | 44° 34' 10.32" N | 114° 11' 25.99" W |
| LH5 | 44° 34' 9.91" N | 114° 11' 26.01" W |
| RH6 | 44° 34' 10.63" N | 114° 11' 29.31" W |
| LH6 | 44° 34' 10.28" N | 114° 11' 29.39" W |
| RH7 | 44° 34' 10.71" N | 114° 11' 30.3" W |
| LH7 | 44° 34' 10.3" N | 114° 11' 30.38" W |

For reference only; stream schematic not to scale.

**Figure G1.** Plan view of lower Challis Creek (CH1), upper Salmon River Basin, Idaho, 2005.

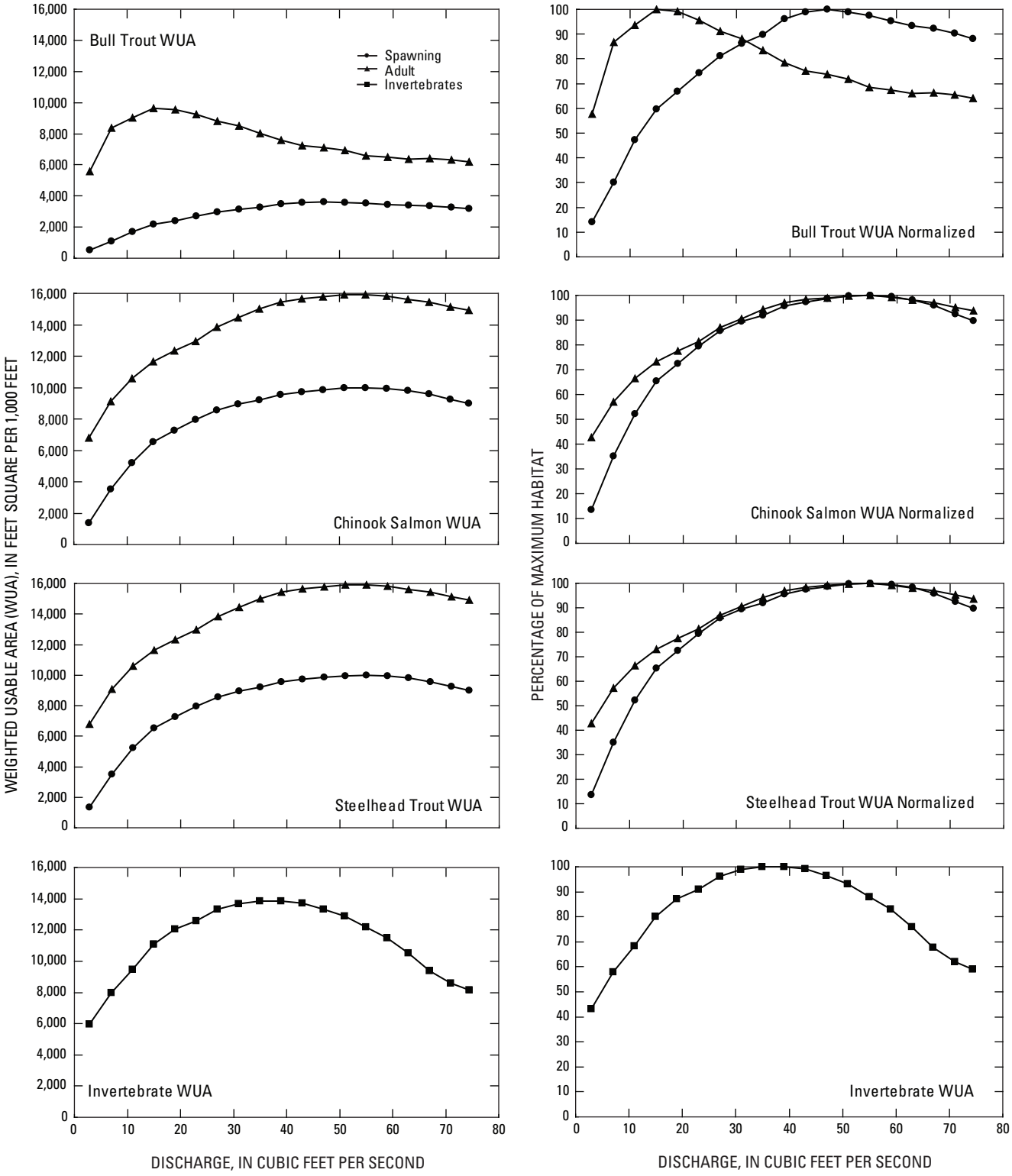



**Figure G2.** Weighted usable area and percentage of maximum habitat for bull trout, Chinook salmon, steelhead trout, and invertebrates, lower Challis Creek (CH1), upper Salmon River Basin, Idaho, 2005.

**Table G1.** Weighted usable area for bull trout, Chinook salmon, steelhead trout life stages, and Ephemeroptera, Plecoptera, and Trichoptera (EPT) invertebrates, site CH1, lower Challis Creek, upper Salmon River Basin, Idaho, 2005.

[Site location shown in figure 8. **Abbreviations**: WUA, weighted usable area; $ft^3/s$, cubic foot per second; $ft^2$, square foot; $ft^2/1{,}000$ ft, square foot per 1,000 feet]

| Discharge ($ft^3/s$) | Total area ($ft^2$) | Summary of WUA ($ft^2$/1,000 ft) | | Percentage of maximum habitat | |
|---|---|---|---|---|---|
| | | Adult | Spawning | Adult | Spawning |
| Bull trout | | | | | |
| 2.9 | 17,831 | 5,573 | 508 | 57.8 | 14.0 |
| 7 | 20,368 | 8,356 | 1,094 | 86.6 | 30.2 |
| 11 | 21,829 | 9,037 | 1,710 | 93.7 | 47.2 |
| 15 | 23,491 | 9,648 | 2,166 | 100.0 | 59.8 |
| 19 | 24,529 | 9,566 | 2,419 | 99.2 | 66.8 |
| 23 | 25,366 | 9,223 | 2,690 | 95.6 | 74.2 |
| 27 | 26,832 | 8,801 | 2,946 | 91.2 | 81.3 |
| 31 | 27,280 | 8,496 | 3,126 | 88.1 | 86.3 |
| 35 | 27,964 | 8,035 | 3,252 | 83.3 | 89.8 |
| 39 | 28,436 | 7,575 | 3,485 | 78.5 | 96.2 |
| 43 | 28,795 | 7,243 | 3,582 | 75.1 | 98.8 |
| 47 | 29,126 | 7,125 | 3,624 | 73.9 | 100.0 |
| 51 | 29,580 | 6,926 | 3,587 | 71.8 | 99.0 |
| 55 | 29,771 | 6,602 | 3,531 | 68.4 | 97.4 |
| 59 | 29,947 | 6,515 | 3,450 | 67.5 | 95.2 |
| 63 | 30,119 | 6,376 | 3,382 | 66.1 | 93.3 |
| 67 | 30,292 | 6,397 | 3,345 | 66.3 | 92.3 |
| 71 | 30,461 | 6,310 | 3,269 | 65.4 | 90.2 |
| 74.400 | 30,596 | 6,186 | 3,195 | 64.1 | 88.2 |
| Chinook salmon | | | | | |
| 2.9 | 17,831 | 6,798 | 1,359 | 42.7 | 13.6 |
| 7 | 20,368 | 9,101 | 3,512 | 57.2 | 35.1 |
| 11 | 21,829 | 10,589 | 5,225 | 66.5 | 52.3 |
| 15 | 23,491 | 11,653 | 6,535 | 73.2 | 65.4 |
| 19 | 24,529 | 12,340 | 7,254 | 77.5 | 72.6 |
| 23 | 25,366 | 12,966 | 7,945 | 81.4 | 79.5 |
| 27 | 26,832 | 13,851 | 8,577 | 87.0 | 85.8 |
| 31 | 27,280 | 14,432 | 8,938 | 90.6 | 89.4 |
| 35 | 27,964 | 15,014 | 9,193 | 94.3 | 92.0 |
| 39 | 28,436 | 15,447 | 9,554 | 97.0 | 95.6 |
| 43 | 28,795 | 15,659 | 9,736 | 98.3 | 97.4 |
| 47 | 29,126 | 15,774 | 9,869 | 99.1 | 98.7 |
| 51 | 29,580 | 15,898 | 9,963 | 99.8 | 99.7 |
| 55 | 29,771 | 15,925 | 9,996 | 100.0 | 100.0 |
| 59 | 29,947 | 15,806 | 9,934 | 99.3 | 99.4 |
| 63 | 30,119 | 15,615 | 9,817 | 98.1 | 98.2 |
| 67 | 30,292 | 15,431 | 9,578 | 96.9 | 95.8 |
| 71 | 30,461 | 15,154 | 9,247 | 95.2 | 92.5 |
| 74.400 | 30,596 | 14,928 | 8,976 | 93.7 | 89.8 |

| Discharge ($ft^3/s$) | Total area ($ft^2$) | Summary of WUA ($ft^2$/1,000 ft) | | Percentage of maximum habitat | |
|---|---|---|---|---|---|
| | | Adult | Spawning | Adult | Spawning |
| Steelhead trout | | | | | |
| 2.9 | 17,831 | 6,798 | 1,359 | 42.7 | 13.6 |
| 7 | 20,368 | 9,101 | 3,512 | 57.2 | 35.1 |
| 11 | 21,829 | 10,589 | 5,225 | 66.5 | 52.3 |
| 15 | 23,491 | 11,653 | 6,535 | 73.2 | 65.4 |
| 19 | 24,529 | 12,340 | 7,254 | 77.5 | 72.6 |
| 23 | 25,366 | 12,966 | 7,945 | 81.4 | 79.5 |
| 27 | 26,832 | 13,851 | 8,577 | 87.0 | 85.8 |
| 31 | 27,280 | 14,432 | 8,938 | 90.6 | 89.4 |
| 35 | 27,964 | 15,014 | 9,193 | 94.3 | 92.0 |
| 39 | 28,436 | 15,447 | 9,554 | 97.0 | 95.6 |
| 43 | 28,795 | 15,659 | 9,736 | 98.3 | 97.4 |
| 47 | 29,126 | 15,774 | 9,869 | 99.1 | 98.7 |
| 51 | 29,580 | 15,898 | 9,963 | 99.8 | 99.7 |
| 55 | 29,771 | 15,925 | 9,996 | 100.0 | 100.0 |
| 59 | 29,947 | 15,806 | 9,934 | 99.3 | 99.4 |
| 63 | 30,119 | 15,615 | 9,817 | 98.1 | 98.2 |
| 67 | 30,292 | 15,431 | 9,578 | 96.9 | 95.8 |
| 71 | 30,461 | 15,154 | 9,247 | 95.2 | 92.5 |
| 74.400 | 30,596 | 14,928 | 8,976 | 93.7 | 89.8 |

| Discharge ($ft^3/s$) | Total area ($ft^2$) | Summary of WUA ($ft^2$/1,000 ft) | Percentage of maximum habitat |
|---|---|---|---|
| | | | |
| EPT Invertebrates | | | |
| 2.880 | 17,831 | 5,982 | 43 |
| 7 | 20,368 | 7,996 | 58 |
| 11 | 21,829 | 9,447 | 68 |
| 15 | 23,491 | 11,074 | 80 |
| 19 | 24,529 | 12,040 | 87 |
| 23 | 25,366 | 12,576 | 91 |
| 27 | 26,832 | 13,315 | 96 |
| 31 | 27,280 | 13,699 | 99 |
| 35 | 27,964 | 13,835 | 100 |
| 39 | 28,436 | 13,836 | 100 |
| 43 | 28,795 | 13,715 | 99 |
| 47 | 29,126 | 13,328 | 96 |
| 51 | 29,580 | 12,877 | 93 |
| 55 | 29,771 | 12,183 | 88 |
| 59 | 29,947 | 11,505 | 83 |
| 63 | 30,119 | 10,523 | 76 |
| 67 | 30,292 | 9,389 | 68 |
| 71 | 30,461 | 8,574 | 62 |
| 74.400 | 30,596 | 8,155 | 59 |

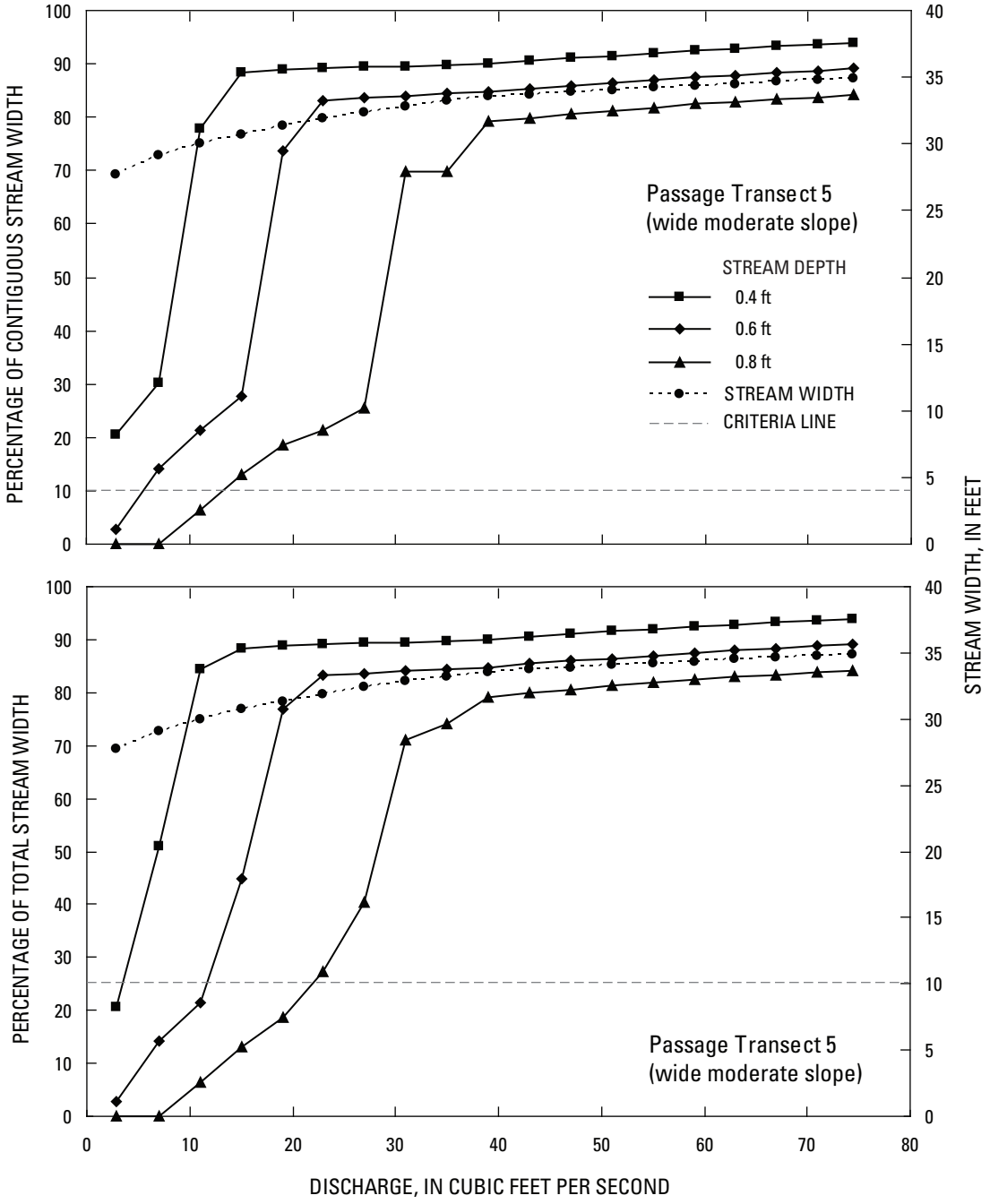



**Figure G3.** Percentages of contiguous and total stream width for passage transect 5, lower Challis Creek (CH1), upper Salmon River Basin, Idaho, 2005.

**Table G2.** Passage criteria assessment for transect 5 (wide moderate slope), site CH1, lower Challis Creek, upper Salmon River Basin, Idaho, 2005.

[Site location shown in figure 8. **Abbreviations**: ft, foot; $ft^3/s$, cubic foot per second]

| Discharge ($ft^3/s$) | Stream width (ft) | Passage criteria assessment | | | |
|---|---|---|---|---|---|
| | | Total | Percentage | Contiguous | Percentage contiguous |
| | | Stream widths greater than 0.4-ft depth | | | |
| 2.9 | 27.7 | 5.7 | 20.6 | 5.7 | 20.6 |
| 7 | 29.1 | 14.8 | 50.9 | 8.8 | 30.3 |
| 11 | 30.0 | 25.3 | 84.3 | 23.4 | 77.9 |
| 15 | 30.7 | 27.2 | 88.4 | 27.2 | 88.4 |
| 19 | 31.3 | 27.8 | 88.9 | 27.8 | 88.9 |
| 23 | 31.9 | 28.4 | 89.2 | 28.4 | 89.2 |
| 27 | 32.4 | 28.9 | 89.4 | 28.9 | 89.4 |
| 31 | 32.8 | 29.4 | 89.5 | 29.4 | 89.5 |
| 35 | 33.2 | 29.8 | 89.6 | 29.8 | 89.6 |
| 39 | 33.5 | 30.2 | 89.9 | 30.2 | 89.9 |
| 43 | 33.7 | 30.5 | 90.5 | 30.5 | 90.5 |
| 47 | 33.9 | 30.9 | 91.0 | 30.9 | 91.0 |
| 51 | 34.1 | 31.2 | 91.5 | 31.2 | 91.5 |
| 55 | 34.2 | 31.5 | 92.0 | 31.5 | 92.0 |
| 59 | 34.4 | 31.8 | 92.4 | 31.8 | 92.4 |
| 63 | 34.5 | 32.0 | 92.9 | 32.0 | 92.9 |
| 67 | 34.6 | 32.3 | 93.3 | 32.3 | 93.3 |
| 71 | 34.8 | 32.6 | 93.7 | 32.6 | 93.7 |
| 74.4 | 34.9 | 32.8 | 94.0 | 32.8 | 94.0 |
| | | Stream widths greater than 0.6-ft depth | | | |
| 2.9 | 27.7 | 0.8 | 2.9 | 0.8 | 2.9 |
| 7 | 29.1 | 4.1 | 14.2 | 4.1 | 14.2 |
| 11 | 30.0 | 6.4 | 21.3 | 6.4 | 21.3 |
| 15 | 30.7 | 13.8 | 44.9 | 8.5 | 27.6 |
| 19 | 31.3 | 24.1 | 76.8 | 23.1 | 73.6 |
| 23 | 31.9 | 26.5 | 83.2 | 26.5 | 83.2 |
| 27 | 32.4 | 27.1 | 83.7 | 27.1 | 83.7 |
| 31 | 32.8 | 27.6 | 84.0 | 27.6 | 84.0 |
| 35 | 33.2 | 28.0 | 84.4 | 28.0 | 84.4 |
| 39 | 33.5 | 28.5 | 84.8 | 28.5 | 84.8 |
| 43 | 33.7 | 28.8 | 85.4 | 28.8 | 85.4 |
| 47 | 33.9 | 29.1 | 86.0 | 29.1 | 86.0 |
| 51 | 34.1 | 29.5 | 86.5 | 29.5 | 86.5 |
| 55 | 34.2 | 29.8 | 87.0 | 29.8 | 87.0 |
| 59 | 34.4 | 30.0 | 87.4 | 30.0 | 87.4 |
| 63 | 34.5 | 30.3 | 87.9 | 30.3 | 87.9 |
| 67 | 34.6 | 30.6 | 88.3 | 30.6 | 88.3 |
| 71 | 34.8 | 30.9 | 88.7 | 30.9 | 88.7 |
| 74.4 | 34.9 | 31.1 | 89.1 | 31.1 | 89.1 |

| Discharge ($ft^3/s$) | Stream width (ft) | Passage criteria assessment | | | |
|---|---|---|---|---|---|
| | | Total | Percentage | Contiguous | Percentage contiguous |
| | | Stream widths greater than 0.8-ft depth | | | |
| 2.9 | 27.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 29.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 30.0 | 1.9 | 6.4 | 1.9 | 6.4 |
| 15 | 30.7 | 4.0 | 13.0 | 4.0 | 13.0 |
| 19 | 31.3 | 5.8 | 18.6 | 5.8 | 18.6 |
| 23 | 31.9 | 8.7 | 27.3 | 6.8 | 21.3 |
| 27 | 32.4 | 13.1 | 40.5 | 8.2 | 25.5 |
| 31 | 32.8 | 23.3 | 71.1 | 22.9 | 69.7 |
| 35 | 33.2 | 24.6 | 74.1 | 23.2 | 69.8 |
| 39 | 33.5 | 26.5 | 79.1 | 26.5 | 79.1 |
| 43 | 33.7 | 26.9 | 79.9 | 26.9 | 79.9 |
| 47 | 33.9 | 27.3 | 80.6 | 27.3 | 80.6 |
| 51 | 34.1 | 27.7 | 81.2 | 27.7 | 81.2 |
| 55 | 34.2 | 28.0 | 81.9 | 28.0 | 81.9 |
| 59 | 34.4 | 28.3 | 82.4 | 28.3 | 82.4 |
| 63 | 34.5 | 28.6 | 82.9 | 28.6 | 82.9 |
| 67 | 34.6 | 28.9 | 83.4 | 28.9 | 83.4 |
| 71 | 34.8 | 29.1 | 83.8 | 29.1 | 83.8 |
| 74.4 | 34.9 | 29.4 | 84.1 | 29.4 | 84.1 |

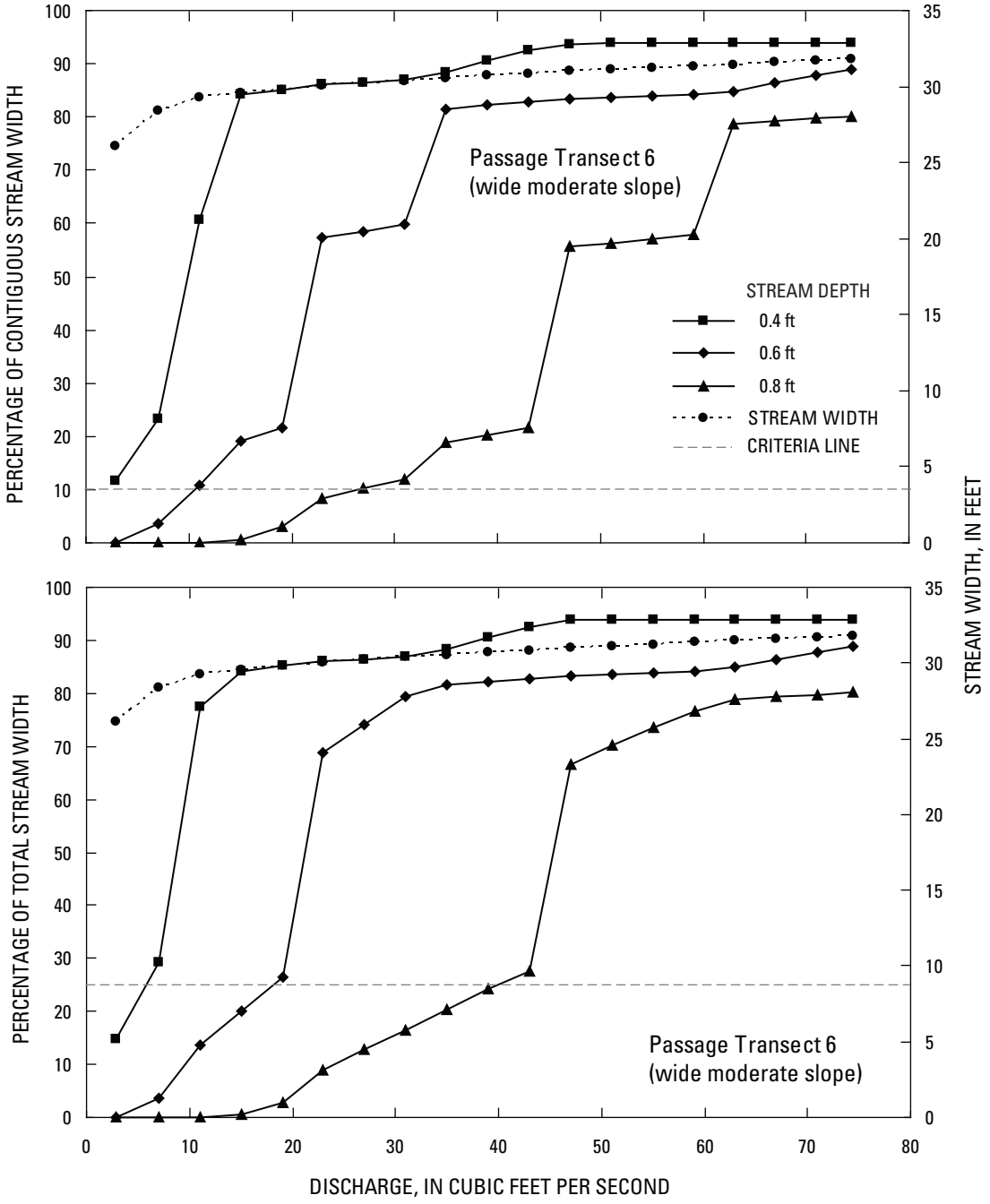



**Figure G4.** Percentages of contiguous and total stream width for passage transect 6, lower Challis Creek (CH1), upper Salmon River Basin, Idaho, 2005.

**Table G3.** Passage criteria assessment for transect 6 (wide moderate slope), site CH1, lower Challis Creek, upper Salmon River Basin, Idaho, 2005.

[Site location shown in figure 8. **Abbreviations**: ft, foot; $ft^3/s$, cubic foot per second]

| Discharge ($ft^3/s$) | Stream width (ft) | Passage criteria assessment | | | |
|---|---|---|---|---|---|
| | | Total | Percentage | Contiguous | Percentage contiguous |
| | | Stream widths greater than 0.4-ft depth | | | |
| 2.9 | 26.1 | 3.9 | 14.8 | 3.1 | 11.7 |
| 7 | 28.4 | 8.3 | 29.2 | 6.6 | 23.3 |
| 11 | 29.3 | 22.6 | 77.4 | 17.7 | 60.7 |
| 15 | 29.5 | 24.8 | 84.1 | 24.8 | 84.1 |
| 19 | 29.8 | 25.4 | 85.2 | 25.4 | 85.2 |
| 23 | 30.0 | 25.8 | 86.0 | 25.8 | 86.0 |
| 27 | 30.2 | 26.1 | 86.5 | 26.1 | 86.5 |
| 31 | 30.4 | 26.4 | 86.9 | 26.4 | 86.9 |
| 35 | 30.6 | 27.0 | 88.4 | 27.0 | 88.4 |
| 39 | 30.7 | 27.8 | 90.6 | 27.8 | 90.6 |
| 43 | 30.8 | 28.5 | 92.5 | 28.5 | 92.5 |
| 47 | 31.0 | 29.0 | 93.8 | 29.0 | 93.8 |
| 51 | 31.1 | 29.2 | 93.8 | 29.2 | 93.8 |
| 55 | 31.2 | 29.3 | 93.8 | 29.3 | 93.8 |
| 59 | 31.3 | 29.4 | 93.8 | 29.4 | 93.8 |
| 63 | 31.5 | 29.5 | 93.9 | 29.5 | 93.9 |
| 67 | 31.6 | 29.6 | 93.9 | 29.6 | 93.9 |
| 71 | 31.7 | 29.7 | 93.9 | 29.7 | 93.9 |
| 74.4 | 31.8 | 29.8 | 93.9 | 29.8 | 93.9 |
| | | Stream widths greater than 0.6-ft depth | | | |
| 2.9 | 26.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 28.4 | 1.0 | 3.6 | 1.0 | 3.6 |
| 11 | 29.3 | 4.0 | 13.7 | 3.1 | 10.7 |
| 15 | 29.5 | 5.9 | 20.0 | 5.6 | 19.0 |
| 19 | 29.8 | 7.9 | 26.4 | 6.4 | 21.6 |
| 23 | 30.0 | 20.6 | 68.8 | 17.2 | 57.4 |
| 27 | 30.2 | 22.4 | 74.2 | 17.7 | 58.6 |
| 31 | 30.4 | 24.1 | 79.3 | 18.1 | 59.7 |
| 35 | 30.6 | 24.9 | 81.6 | 24.9 | 81.6 |
| 39 | 30.7 | 25.3 | 82.2 | 25.3 | 82.2 |
| 43 | 30.8 | 25.6 | 82.9 | 25.6 | 82.9 |
| 47 | 31.0 | 25.8 | 83.3 | 25.8 | 83.3 |
| 51 | 31.1 | 26.0 | 83.6 | 26.0 | 83.6 |
| 55 | 31.2 | 26.2 | 83.9 | 26.2 | 83.9 |
| 59 | 31.3 | 26.4 | 84.2 | 26.4 | 84.2 |
| 63 | 31.5 | 26.7 | 84.9 | 26.7 | 84.9 |
| 67 | 31.6 | 27.3 | 86.4 | 27.3 | 86.4 |
| 71 | 31.7 | 27.8 | 87.8 | 27.8 | 87.8 |
| 74.4 | 31.8 | 28.3 | 89.0 | 28.3 | 89.0 |

| Discharge ($ft^3/s$) | Stream width (ft) | Passage criteria assessment | | | |
|---|---|---|---|---|---|
| | | Total | Percentage | Contiguous | Percentage contiguous |
| | | Stream widths greater than 0.8-ft depth | | | |
| 2.9 | 26.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 28.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 29.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 29.5 | 0.2 | 0.6 | 0.2 | 0.6 |
| 19 | 29.8 | 0.9 | 2.9 | 0.9 | 2.9 |
| 23 | 30.0 | 2.6 | 8.8 | 2.5 | 8.3 |
| 27 | 30.2 | 3.9 | 12.8 | 3.1 | 10.1 |
| 31 | 30.4 | 5.0 | 16.4 | 3.6 | 11.9 |
| 35 | 30.6 | 6.2 | 20.3 | 5.7 | 18.8 |
| 39 | 30.7 | 7.4 | 24.1 | 6.2 | 20.3 |
| 43 | 30.8 | 8.5 | 27.6 | 6.7 | 21.7 |
| 47 | 31.0 | 20.6 | 66.5 | 17.2 | 55.6 |
| 51 | 31.1 | 21.8 | 70.2 | 17.5 | 56.4 |
| 55 | 31.2 | 23.0 | 73.6 | 17.8 | 57.1 |
| 59 | 31.3 | 24.0 | 76.7 | 18.1 | 57.8 |
| 63 | 31.5 | 24.8 | 78.8 | 24.8 | 78.8 |
| 67 | 31.6 | 25.0 | 79.3 | 25.0 | 79.3 |
| 71 | 31.7 | 25.3 | 79.7 | 25.3 | 79.7 |
| 74.4 | 31.8 | 25.4 | 80.1 | 25.4 | 80.1 |

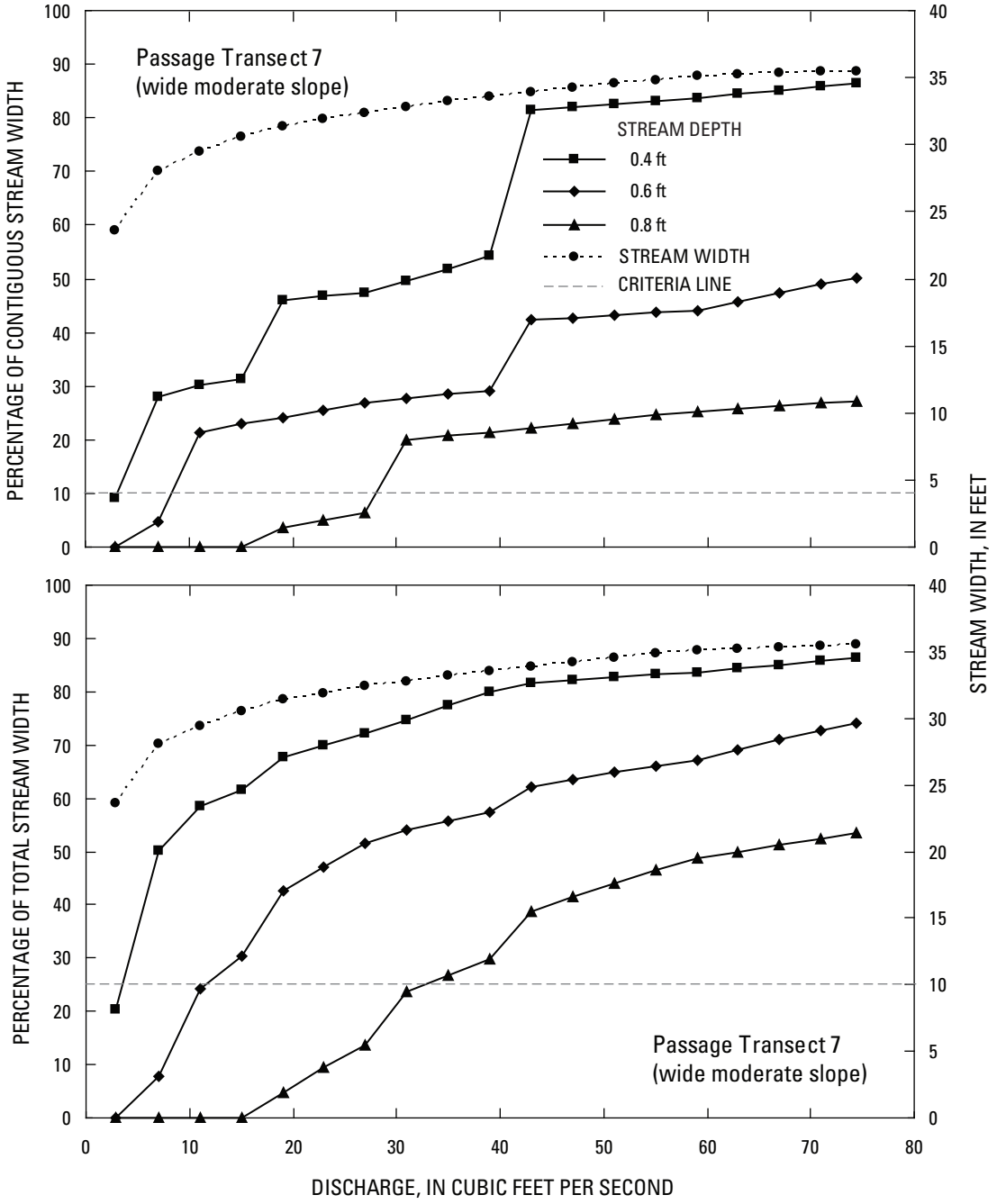



**Figure G5.** Percentages of contiguous and total stream width for passage transect 7, lower Challis Creek (CH1), upper Salmon River Basin, Idaho, 2005.

**Table G4.** Passage criteria assessment for transect 7 (wide moderate slope), site CH1, lower Challis Creek, upper Salmon River Basin, Idaho, 2005.

[Site location shown in figure 8. **Abbreviations**: ft, foot; $ft^3/s$, cubic foot per second]

| Discharge ($ft^3/s$) | Stream width (ft) | Passage criteria assessment | | | |
|---|---|---|---|---|---|
| | | Total | Percentage | Contiguous | Percentage contiguous |
| | | Stream widths greater than 0.4-ft depth | | | |
| 2.9 | 23.6 | 4.8 | 20.3 | 2.1 | 9.1 |
| 7 | 28.1 | 14.1 | 50.2 | 7.8 | 27.9 |
| 11 | 29.5 | 17.2 | 58.5 | 8.9 | 30.3 |
| 15 | 30.5 | 18.8 | 61.6 | 9.6 | 31.4 |
| 19 | 31.4 | 21.2 | 67.7 | 14.4 | 45.9 |
| 23 | 31.9 | 22.3 | 70.0 | 14.9 | 46.7 |
| 27 | 32.4 | 23.3 | 72.0 | 15.3 | 47.4 |
| 31 | 32.8 | 24.5 | 74.7 | 16.3 | 49.6 |
| 35 | 33.2 | 25.7 | 77.3 | 17.2 | 51.9 |
| 39 | 33.6 | 26.8 | 79.9 | 18.2 | 54.2 |
| 43 | 33.9 | 27.7 | 81.6 | 27.7 | 81.6 |
| 47 | 34.2 | 28.1 | 82.1 | 28.1 | 82.1 |
| 51 | 34.5 | 28.5 | 82.6 | 28.5 | 82.6 |
| 55 | 34.8 | 29.0 | 83.2 | 29.0 | 83.2 |
| 59 | 35.1 | 29.3 | 83.6 | 29.3 | 83.6 |
| 63 | 35.2 | 29.7 | 84.4 | 29.7 | 84.4 |
| 67 | 35.3 | 30.1 | 85.1 | 30.1 | 85.1 |
| 71 | 35.4 | 30.4 | 85.8 | 30.4 | 85.8 |
| 74.4 | 35.5 | 30.6 | 86.3 | 30.6 | 86.3 |
| | | Stream widths greater than 0.6-ft depth | | | |
| 2.9 | 23.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 28.1 | 2.2 | 7.7 | 1.4 | 4.8 |
| 11 | 29.5 | 7.1 | 24.1 | 6.3 | 21.4 |
| 15 | 30.5 | 9.3 | 30.5 | 7.0 | 22.9 |
| 19 | 31.4 | 13.3 | 42.5 | 7.6 | 24.2 |
| 23 | 31.9 | 15.0 | 47.2 | 8.2 | 25.6 |
| 27 | 32.4 | 16.6 | 51.4 | 8.7 | 26.9 |
| 31 | 32.8 | 17.7 | 54.0 | 9.1 | 27.8 |
| 35 | 33.2 | 18.5 | 55.8 | 9.5 | 28.5 |
| 39 | 33.6 | 19.3 | 57.5 | 9.8 | 29.2 |
| 43 | 33.9 | 21.1 | 62.2 | 14.3 | 42.3 |
| 47 | 34.2 | 21.8 | 63.6 | 14.6 | 42.8 |
| 51 | 34.5 | 22.4 | 64.9 | 14.9 | 43.2 |
| 55 | 34.8 | 23.0 | 66.1 | 15.2 | 43.7 |
| 59 | 35.1 | 23.6 | 67.2 | 15.5 | 44.1 |
| 63 | 35.2 | 24.4 | 69.2 | 16.1 | 45.8 |
| 67 | 35.3 | 25.1 | 71.0 | 16.7 | 47.4 |
| 71 | 35.4 | 25.8 | 72.8 | 17.3 | 48.9 |
| 74.4 | 35.5 | 26.3 | 74.1 | 17.8 | 50.1 |

| Discharge ($ft^3/s$) | Stream width (ft) | Passage criteria assessment | | | |
|---|---|---|---|---|---|
| | | Total | Percentage | Contiguous | Percentage contiguous |
| | | Stream widths greater than 0.8-ft depth | | | |
| 2.9 | 23.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7 | 28.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11 | 29.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15 | 30.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19 | 31.4 | 1.5 | 4.8 | 1.1 | 3.7 |
| 23 | 31.9 | 3.0 | 9.4 | 1.6 | 5.0 |
| 27 | 32.4 | 4.4 | 13.6 | 2.0 | 6.3 |
| 31 | 32.8 | 7.8 | 23.7 | 6.5 | 19.9 |
| 35 | 33.2 | 8.9 | 26.8 | 6.9 | 20.7 |
| 39 | 33.6 | 10.0 | 29.8 | 7.2 | 21.4 |
| 43 | 33.9 | 13.1 | 38.7 | 7.5 | 22.2 |
| 47 | 34.2 | 14.2 | 41.4 | 7.9 | 23.0 |
| 51 | 34.5 | 15.2 | 44.0 | 8.2 | 23.8 |
| 55 | 34.8 | 16.2 | 46.5 | 8.6 | 24.6 |
| 59 | 35.1 | 17.1 | 48.6 | 8.8 | 25.2 |
| 63 | 35.2 | 17.6 | 50.0 | 9.1 | 25.8 |
| 67 | 35.3 | 18.1 | 51.3 | 9.3 | 26.3 |
| 71 | 35.4 | 18.6 | 52.5 | 9.5 | 26.8 |
| 74.4 | 35.5 | 19.0 | 53.4 | 9.7 | 27.2 |