

APPENDIX C – SURFACE WATER CHEMISTRY DATA – SELECTED BACKGROUND SITES

| Water Body Segment | Site ID | Site Description | Sample_Date | Hardness (mg/L) | Flow (GPM) | pH | TDS (mg/L) | SO ₄ (mg/L) | AL dis (µg/L) | As trm (µg/L) | Cd trm (µg/l) | CN tot (µg/L) | Cr trm (µg/L) | Cu trm (µg/l) | Fe trm (µg/L) | Hg trm (µg/L) | Ni trm (µg/l) | Pb trm (µg/l) | Se trm (µg/l) | Tl trm (µg/L) | Zn trm (µg/l) | TSS (mg/L) |
|--------------------|---------|-------------------------------------|-------------|-----------------|------------|------|------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|
| Alder Gulch | AGSS-10 | Upper Alder Gulch U/S of Hawkeye | 5/12/1997 | 34 | 39 | 6.5 | 63 | 17 | 200 | < 3 | < 1 | < 5 | < 1 | 5 | 430 | < 0.6 | < 20 | < 3 | < 1 | 0.003 | < 10 | -- |
| Alder Gulch | Z-60 | Upper Alder Gulch | 6/7/1996 | 16 | 29 | 8 | 59 | 13 | 400 | < 3 | 0.20 | < 5 | < 1 | 24 | 510 | < 0.6 | < 20 | < 3 | < 1 | 0.006 | 20 | 10 |
| Alder Gulch | Z-60 | Upper Alder Gulch | 5/13/1997 | 14 | 3.14 | 6.6 | 62 | 10 | 200 | < 3 | < 0.1 | < 5 | 1 | 7 | 750 | < 0.6 | < 20 | < 3 | < 1 | 0.003 | 20 | -- |
| Alder Gulch | Z-61 | Upper Alder Gulch | 6/7/1996 | 14 | 17 | 7.8 | 40 | 14 | 300 | < 3 | 0.10 | < 5 | < 1 | 7 | 380 | < 0.6 | < 20 | < 3 | < 1 | 0.005 | 10 | 10 |
| Alder Gulch | Z-61 | Upper Alder Gulch | 5/13/1997 | 11 | 6.39 | 6.8 | 59 | 11 | 200 | < 3 | < 0.1 | < 5 | 1 | 7 | 700 | < 0.6 | < 20 | < 3 | < 1 | 0.003 | 30 | -- |
| Alder Gulch | Z-61 | Upper Alder Gulch | 9/9/1998 | -- | -- | -- | -- | -- | -- | -- | 0.20 | -- | < 1 | -- | -- | -- | -- | -- | < 1 | -- | < 5 | -- |
| Alder Gulch | Z-61 | Upper Alder Gulch | 9/9/1998 | 18 | -- | 4.15 | -- | 19.9 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.017 | -- | -- |
| Alder Gulch | Z-62 | Upper Alder Gulch | 6/7/1996 | 17 | 12 | 7.7 | 60 | 13 | 300 | < 3 | 0.10 | < 5 | < 1 | 7 | 490 | < 0.6 | < 20 | < 3 | < 1 | 0.003 | 30 | 10 |
| Alder Gulch | Z-62 | Upper Alder Gulch | 5/13/1997 | 15 | 4.49 | 6.8 | 74 | 9 | 300 | < 3 | < 0.1 | < 5 | < 1 | 6 | 780 | < 0.6 | < 20 | < 3 | < 1 | 0.003 | 20 | -- |
| Alder Gulch | Z-62 | Upper Alder Gulch | 9/9/1998 | -- | -- | -- | -- | -- | 230 | 2 | < 0.2 | -- | -- | -- | -- | -- | -- | -- | < 1 | -- | < 5 | -- |
| Alder Gulch | Z-62 | Upper Alder Gulch | 9/9/1998 | 15 | -- | 6.98 | -- | 64.9 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0.011 | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/4/1990 | 39 | 22 | 6.9 | 71 | 18 | -- | -- | < 1 | < 5 | 20 | < 10 | 440 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 44 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/15/1990 | 57 | 9.4 | 6.9 | 96 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/29/1990 | 61 | 27 | 7.2 | 68 | 10 | -- | -- | 3 | < 5 | 20 | < 10 | 640 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 4 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 6/14/1990 | 87 | 1 | 7.4 | 129 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 6/26/1990 | 99 | 0.3 | 7.3 | 120 | -- | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 7/19/1990 | 137 | 0.2 | 7.5 | 147 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 10/31/1990 | 168 | 1 | 7.1 | 236 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/14/1991 | 49 | 13.38 | 7.1 | 41 | 10 | -- | -- | < 0.1 | < 5 | 20 | < 1 | 200 | 0.2 | < 30 | < 2 | < 5 | -- | 0 | 1 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 6/12/1991 | 68 | 5.39 | 6.8 | 110 | 8 | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 7/24/1991 | 126 | 0.5 | 7.8 | 157 | 8 | -- | -- | < 1 | < 5 | 20 | < 10 | 50 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 1 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 9/5/1991 | 178 | 0.03 | 7.9 | 169 | 7 | -- | -- | < 1 | < 5 | 20 | < 10 | 100 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 26 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/11/1993 | 71 | 0.6 | 7.1 | 102 | 5 | -- | -- | < 1 | < 5 | 10 | < 10 | 350 | < 1 | < 10 | 20 | < 5 | -- | 0 | 8 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 10/13/1993 | 123 | 0.99 | 7.5 | 141 | 5 | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 12 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/18/1994 | 95 | -- | 7.8 | -- | -- | -- | < 5 | 1 | < 5 | < 10 | < 10.00 | 1210 | < 1 | < 10 | < 10 | < 5 | -- | 0 | 8 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 10/26/1994 | 158 | 0.04 | 7.9 | 180 | 6 | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/15/1995 | 37 | 7.32 | 7.1 | 105 | 3 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 890 | < 1 | < 10 | < 10 | < 5 | -- | 0 | 10 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/28/1996 | 42 | 9.8 | 6.9 | 47 | 4 | < 300 | < 3 | < 0.1 | < 5 | 1 | 2 | 630 | < 0.6 | < 20 | < 3 | < 1 | 3 | 0 | 10 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/15/1997 | 93 | 0.72 | 7 | 111 | 4 | < 100 | < 3 | < 0.1 | < 5 | -- | 2 | 150 | < 0.6 | < 20 | 4 | < 1 | -- | 0 | 22 |

| Water Body Segment | Site ID | Site Description | Sample_Date | Hardness (mg/L) | Flow (GPM) | pH | TDS (mg/L) | SO ₄ (mg/L) | AL dis (µg/L) | As trm (µg/L) | Cd trm (µg/l) | CN tot (µg/L) | Cr trm (µg/L) | Cu trm (µg/l) | Fe trm (µg/L) | Hg trm (µg/L) | Ni trm (µg/l) | Pb trm (µg/l) | Se trm (µg/l) | Tl trm (µg/L) | Zn trm (µg/l) | TSS (mg/L) |
|--------------------|---------|-------------------------------------|-------------|-----------------|------------|------|------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 6/16/1997 | 52 | 2.37 | 7.64 | 144 | 2.5 | < 100 | < 3 | < 0.1 | < 5 | -- | 17 | 180 | < 0.6 | < 20 | 3 | < 1 | -- | 0 | 10 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 7/30/1997 | 150 | 100 | -- | -- | -- | -- | < 3 | < 0.1 | < 5 | -- | < 1 | -- | < 0.6 | < 20 | < 3 | < 1 | -- | -- | 10 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 8/26/1997 | 150 | -- | -- | -- | -- | -- | < 3 | < 0.1 | < 5 | -- | -- | -- | < 0.6 | < 20 | < 3 | < 1 | -- | -- | -- |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 9/4/1997 | 150 | -- | -- | -- | -- | -- | < 3 | < 0.1 | < 5 | -- | < 1 | -- | < 0.6 | < 20 | < 3 | < 1 | -- | -- | 10 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 6/18/1998 | 108 | -- | -- | 132 | 3 | < 100 | < 3 | < 0.1 | < 5 | -- | 10 | 230 | < 0.6 | < 20 | < 3 | < 1 | -- | < 10 | 10 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 5/18/1999 | 35 | 6 | -- | 44 | 1.9 | -- | < 3 | 0.1 | < 5 | -- | 7 | 670 | < 0.6 | < 20 | 15 | < 1 | -- | < 10 | 10 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 6/16/1999 | 68 | 1.3 | -- | 86 | 2.1 | -- | < 3 | < 0.1 | < 5 | -- | 17 | 240 | < 0.6 | < 20 | < 3 | < 1 | -- | < 10 | 10 |
| Beaver Creek | Z-27 | Upper Beaver Creek, headwater trib. | 6/21/2001 | 62 | -- | 7.13 | 80 | 1.8 | -- | < 3 | < 0.1 | < 5 | -- | 7 | 430 | -- | < 20 | 23 | < 1 | -- | < 10 | 10 |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/18/1985 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/17/1985 | 66 | 4039 | 7.4 | 78 | 16 | -- | -- | -- | < 10 | -- | -- | 610 | -- | -- | -- | -- | -- | 20 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/5/1986 | 124 | 1350 | 7.6 | 143 | 22 | -- | < 5 | -- | -- | -- | -- | < 30 | -- | -- | -- | -- | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/29/1986 | 144 | 200 | 7.2 | 134 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/3/1987 | 118 | 900 | 7.4 | 152 | 21 | -- | -- | -- | -- | -- | -- | 120 | -- | -- | -- | -- | -- | 80 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/15/1987 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/12/1988 | 103 | 250 | 7.8 | 160 | 22 | -- | -- | -- | < 10 | -- | -- | 210 | -- | -- | -- | -- | -- | 20 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/14/1988 | 233 | 50 | 7.6 | 341 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/24/1989 | 123 | 20 | 8.2 | 138 | 24 | -- | -- | -- | < 10 | -- | -- | 100 | -- | -- | -- | -- | -- | 30 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/5/1989 | -- | 0 | 8.1 | 143 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/1/1990 | 130 | -- | | | 18 | -- | < 5 | < 1 | -- | -- | < 10 | 170 | < 1 | < 30 | -- | -- | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 11/2/1990 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 12/12/1990 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 1/11/1991 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 3/21/1991 | 228 | 10 | 8 | 228 | 56 | -- | < 5 | < 1 | < 5 | < 20 | < 10 | < 30 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/16/1991 | 102 | -- | 7.9 | 94 | 17 | -- | < 5 | < 0.1 | < 5 | < 20 | 1 | 470 | < 0.2 | < 30 | < 2 | < 5 | -- | < 10 | -- |

| Water Body Segment | Site ID | Site Description | Sample_Date | Hardness (mg/L) | Flow (GPM) | pH | TDS (mg/L) | SO ₄ (mg/L) | AL dis (µg/L) | As trm (µg/L) | Cd trm (µg/l) | CN tot (µg/L) | Cr trm (µg/L) | Cu trm (µg/l) | Fe trm (µg/L) | Hg trm (µg/L) | Ni trm (µg/l) | Pb trm (µg/l) | Se trm (µg/l) | Tl trm (µg/L) | Zn trm (µg/l) | TSS (mg/L) |
|--------------------|---------|-------------------------------|-------------|-----------------|------------|------|------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/13/1991 | 134 | 228.45 | 8.2 | 157 | 19 | -- | < 5 | 1 | < 5 | < 20 | < 10 | 50 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 7/24/1991 | 202 | 11.2 | 8 | 210 | 29 | -- | < 5 | 1 | < 5 | < 20 | < 10 | 30 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 9/6/1991 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/18/1991 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/31/1992 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/15/1992 | 218 | 1.4 | 8 | 246 | 43 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | < 30 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/15/1992 | 217 | 1.4 | 7.9 | 254 | 42 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | < 30 | < 1 | < 30 | < 10 | < 5 | -- | 20 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/12/1993 | 133 | 112.21 | 8.1 | 153 | 22 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 40 | < 1 | < 10 | < 10 | < 5 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/12/1993 | 185 | 52.96 | 7.9 | 213 | 32 | -- | -- | -- | < 5 | -- | < 10 | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/20/1994 | 154 | 212 | 8.2 | 162 | 21 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 180 | < 1 | < 10 | < 10 | < 5 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/20/1994 | 153 | 212 | 8.1 | 169 | 21 | -- | < 5 | < 1 | < 5 | < 10 | -- | 220 | < 1 | < 10 | < 10 | < 5 | -- | 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/27/1994 | 254 | 1.35 | 8 | 274 | 45 | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/9/1995 | 79 | 170 | 7.7 | 119 | 14 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 2680 | < 1 | < 10 | < 10 | < 5 | -- | 20 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/17/1995 | 194 | 35 | 7.8 | 247 | 29 | -- | < 1 | < 0.1 | < 5 | < 10 | < 1 | 14 | < 1 | < 10 | < 2 | < 5 | -- | 20 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/21/1995 | 211 | 17 | 7.5 | 235 | 39 | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/1/1996 | 101 | 435.4 | 7.7 | 139 | 14 | 200 | < 3 | < 0.1 | < 5 | < 1 | 2 | 350 | < 0.6 | < 20 | < 3 | < 1 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/13/1996 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/24/1996 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 2/12/1997 | -- | 0 | | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 4/18/1997 | 80 | 219.93 | 7.8 | 113 | 11 | 200 | < 3 | < 0.1 | < 5 | -- | 2 | 1100 | -- | < 20 | < 3 | < 1 | -- | 20 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/14/1997 | 103 | 18 | 7.5 | 150 | 10 | < 100 | < 3 | 0.1 | < 5 | -- | < 1 | 30 | -- | < 20 | < 3 | < 1 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/18/1997 | 100.3 | 107.72 | 8.06 | 211 | 18 | < 100 | < 3 | < 0.1 | < 5 | -- | < 1 | < 10 | -- | < 20 | < 3 | < 1 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/13/1997 | 191.1 | 1.94 | 7.87 | 248 | 29.8 | < 100 | < 3 | < 0.1 | < 5 | -- | < 1 | < 10 | -- | < 20 | < 3 | < 1 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 10/24/1997 | -- | -- | | -- | -- | < 100 | < 3 | < 0.1 | < 5 | -- | < 1 | < 10 | -- | < 20 | < 3 | < 1 | -- | -- | -- |

| Water Body Segment | Site ID | Site Description | Sample_Date | Hardness (mg/L) | Flow (GPM) | pH | TDS (mg/L) | SO ₄ (mg/L) | AL dis (µg/L) | As trm (µg/L) | Cd trm (µg/l) | CN tot (µg/L) | Cr trm (µg/L) | Cu trm (µg/l) | Fe trm (µg/L) | Hg trm (µg/L) | Ni trm (µg/l) | Pb trm (µg/l) | Se trm (µg/l) | Tl trm (µg/L) | Zn trm (µg/l) | TSS (mg/L) |
|--------------------------------------|---------|--|-------------|-----------------|------------|------|------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 4/22/1998 | 134.5 | -- | | 155 | 22 | < 100 | < 3 | 0.3 | < 5 | -- | 6 | 40 | -- | < 20 | < 3 | < 1 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 5/22/1998 | 159.9 | -- | | 177 | 26.5 | < 100 | < 3 | < 0.1 | < 5 | -- | < 1 | 40 | -- | < 20 | < 3 | 7 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/26/1998 | 83.4 | -- | | 130 | 12.2 | 460 | < 3 | < 0.1 | < 5 | -- | 19 | 1220 | -- | < 20 | 6 | < 1 | -- | -- | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/12/1998 | 167.5 | -- | | 212 | 24.6 | < 100 | < 3 | < 0.1 | < 5 | -- | 1 | < 10 | -- | < 20 | < 3 | < 1 | -- | < 10 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 6/3/2008 | 115 | -- | 7.6 | | 17 | -- | < 3 | < 0.1 | -- | -- | < 1 | 130 | -- | 0 | -- | 0 | -- | 6 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/6/2008 | 258 | -- | 7.6 | 266 | 34 | < 100 | < 3 | < 0.1 | -- | -- | < 1 | 10 | -- | 0 | -- | 0 | -- | 2 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/6/2008 | 217 | -- | 7.5 | 272 | 34 | < 100 | < 3 | < 0.1 | -- | -- | < 1 | 20 | -- | 0 | -- | 0 | -- | 2 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/6/2008 | 258 | -- | 7.6 | 266 | 34 | < 100 | < 3 | < 0.1 | -- | -- | < 1 | 10 | -- | 1 | -- | 0 | -- | 1 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/6/2008 | 217 | -- | 7.5 | 272 | 34 | < 100 | < 3 | < 0.1 | -- | -- | < 1 | 20 | -- | 1 | -- | 0 | -- | 1 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/7/2008 | 219 | -- | 7.5 | 268 | 34 | < 100 | < 3 | < 0.1 | -- | -- | < 1 | < 10 | -- | 0 | -- | 0 | -- | 1 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/7/2008 | 267 | -- | 7.6 | 266 | 34 | < 100 | < 3 | < 0.1 | -- | -- | < 1 | 10 | -- | 0 | -- | 0 | -- | 0 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/7/2008 | 219 | -- | 7.5 | 268 | 34 | < 100 | < 3 | < 0.1 | -- | -- | < 1 | < 10 | -- | 0 | -- | 0 | -- | 1 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/7/2008 | 267 | -- | 7.6 | 266 | 34 | < 100 | < 3 | < 0.1 | -- | -- | < 1 | 10 | -- | 0 | -- | 0 | -- | 0 | -- |
| Big Horn Creek | L-21 | U/S of Swift Gulch confluence | 8/7/2008 | 123 | -- | 7.8 | -- | -- | -- | < 1 | < 0.1 | -- | -- | < 1 | 310 | -- | < 1 | -- | < 1 | -- | 7 | -- |
| King Creek (see Montana Gulch sites) | L-40 | Upper Montana Gulch | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/4/1990 | 42 | 251.3 | 7.1 | 66 | 19 | -- | < 5 | < 1 | < 5 | <20 | < 10 | 330 | < 1 | < 30 | 20 | < 5 | -- | < 10 | 12 |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/16/1990 | 38 | 200 | 7 | 59 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/29/1990 | 33 | 80 | 12.2 | 611 | 10 | -- | < 5 | < 1 | < 5 | <20 | < 10 | 480 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 9 |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 6/14/1990 | 68 | 20 | 7.4 | 110 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 6/26/1990 | 76 | 9.4 | 7.2 | 66 | -- | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 7/19/1990 | 95 | 1 | 7.3 | 91 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/15/1991 | 41 | 138.24 | 7.3 | 31 | 8 | -- | < 5 | < 0.1 | < 5 | <20 | < 1 | 180 | 2 | < 30 | 2 | < 5 | -- | < 10 | < 1 |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 6/12/1991 | 52 | 14.81 | 7.5 | 69 | 8 | -- | < 5 | < 1 | < 5 | <20 | < 10 | 70 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 8 |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 7/23/1991 | 90 | 4.49 | 7.5 | 141 | 12 | -- | < 5 | < 1 | < 5 | <20 | < 10 | 70 | < 1 | < 30 | < 10 | < 5 | -- | 20 | 35 |

| Water Body Segment | Site ID | Site Description | Sample_Date | Hardness (mg/L) | Flow (GPM) | pH | TDS (mg/L) | SO ₄ (mg/L) | AL dis (µg/L) | As trm (µg/L) | Cd trm (µg/l) | CN tot (µg/L) | Cr trm (µg/L) | Cu trm (µg/l) | Fe trm (µg/L) | Hg trm (µg/L) | Ni trm (µg/l) | Pb trm (µg/l) | Se trm (µg/l) | Tl trm (µg/L) | Zn trm (µg/l) | TSS (mg/L) | |
|--------------------|---------|--|-------------|-----------------|------------|------|------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|----|
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/11/1993 | 44 | 6.7 | 6.7 | 62 | 10 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 70 | < 1 | < 10 | 30 | < 5 | -- | < 10 | 4 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 10/13/1993 | 83 | 2.02 | 7.4 | 105 | 14 | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | 0 | < 1 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/18/1994 | 64 | 15.1 | 7.8 | 84 | 11 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 240 | < 1 | < 10 | 10 | < 5 | -- | 30 | 4 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 10/26/1994 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/15/1995 | 44 | 129 | 7.5 | 119 | 9 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 840 | < 1 | < 10 | < 10 | < 5 | -- | 20 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 8/2/1995 | 102 | 20 | 7.3 | 141 | 16 | < 100 | < 1 | < 0.1 | < 5 | < 10 | < 1 | 19 | < 1 | < 10 | < 2 | < 5 | -- | 30 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 10/20/1995 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0 | -- |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/29/1996 | 45 | 60.1 | 7.6 | 90 | 9 | 200 | < 3 | < 0.1 | < 5 | < 10 | 2 | 730 | < 0.6 | < 20 | < 3 | < 1 | -- | < 10 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 4/15/1997 | 88 | 5 | 7.7 | 126 | 16 | < 100 | < 3 | < 0.1 | < 5 | -- | < 1 | 10 | -- | < 20 | < 3 | < 1 | -- | < 10 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/13/1997 | 59 | 31.96 | 7.8 | 86 | 10 | < 100 | < 3 | < 0.1 | < 5 | -- | < 1 | 30 | -- | < 20 | < 3 | < 1 | -- | < 10 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 6/16/1997 | 54.6 | 53.86 | 7.69 | 87 | 9.8 | < 100 | < 3 | < 0.1 | < 5 | -- | 2 | 60 | -- | < 20 | 5 | < 1 | -- | < 10 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 8/12/1997 | 101.1 | 0.5 | 7.41 | 132 | 17 | < 100 | < 3 | < 0.1 | < 5 | -- | < 1 | 10 | -- | < 20 | < 3 | < 1 | -- | 30 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 4/23/1998 | 97.8 | -- | -- | 94 | 16.6 | 1290 | < 3 | 0.2 | < 5 | -- | 2 | 30 | -- | < 20 | < 3 | < 1 | -- | < 10 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 5/26/1998 | 93.6 | -- | -- | 104 | 14 | < 100 | < 3 | < 0.1 | < 5 | -- | < 1 | 20 | -- | < 20 | < 3 | < 1 | -- | < 10 | < 10 | |
| Lodge Pole Creek | Z-28 | Upper Lodge Pole Creek, Upper Middle East Trib | 6/18/1998 | 57.8 | -- | -- | 82 | 8.5 | < 100 | < 3 | < 0.1 | < 5 | -- | 30 | 260 | -- | < 20 | 16 | < 1 | -- | < 10 | < 10 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/4/1990 | 25 | 80 | 6.7 | 56 | 6 | -- | < 5 | < 1 | < 5 | < 20 | < 10 | 800 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 7 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/16/1990 | 25 | 58 | 6.9 | 55 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/29/1990 | 42 | 31 | 7.2 | 54 | 9 | -- | < 5 | < 1 | < 5 | < 20 | < 10 | 710 | < 1 | < 30 | < 10 | < 5 | -- | 10 | 4 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 6/14/1990 | 26 | 1 | 6.9 | 70 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 6/26/1990 | 65 | 9.4 | 7 | 99 | -- | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 7/19/1990 | 86 | 1 | 7.3 | 100 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 7/31/1990 | 98 | 1 | 7.2 | 122 | 25 | -- | < 5 | < 1 | < 5 | < 20 | < 10 | 40 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | < 1 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 8/22/1990 | 112 | 1 | 6.9 | 150 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 10/12/1990 | -- | 0 | -- | -- | -- | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

| Water Body Segment | Site ID | Site Description | Sample_Date | Hardness (mg/L) | Flow (GPM) | pH | TDS (mg/L) | SO ₄ (mg/L) | AL dis (µg/L) | As trm (µg/L) | Cd trm (µg/l) | CN tot (µg/L) | Cr trm (µg/L) | Cu trm (µg/l) | Fe trm (µg/L) | Hg trm (µg/L) | Ni trm (µg/l) | Pb trm (µg/l) | Se trm (µg/l) | Tl trm (µg/L) | Zn trm (µg/l) | TSS (mg/L) | |
|--------------------------------------|--------------|---|-------------|-----------------|------------|------|------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|----|
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 10/31/1990 | 140 | 2 | 7.3 | 182 | 50 | -- | < 5 | < 1 | -- | <20 | < 10 | 160 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 109 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 12/12/1990 | 148 | -- | 7 | 163 | 53 | -- | < 5 | < 1 | < 5 | <20 | < 10 | 1670 | < 1 | < 30 | -- | < 5 | -- | 70 | 676 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 1/10/1991 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0 | -- | -- | -- | -- | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 3/20/1991 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0 | -- | -- | -- | -- | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/15/1991 | 29 | 28.46 | 7.1 | 25 | 15 | -- | < 5 | 5 | < 5 | <20 | < 20 | 530 | 3 | < 20 | 50 | < 5 | -- | < 20 | < 1 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/15/1991 | 29 | 28.46 | 7 | 48 | 7 | -- | < 5 | 0.1 | < 5 | <20 | < 1 | 160 | < 0.2 | < 30 | < 2 | < 5 | -- | < 10 | < 20 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 6/12/1991 | 44 | 8.08 | 7.4 | 67 | 9 | -- | < 5 | < 1 | < 5 | <20 | < 10 | 360 | < 1 | < 30 | < 10 | < 5 | -- | < 10 | 9 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 7/24/1991 | 95 | 1 | 7.3 | 111 | 20 | -- | < 5 | < 1 | < 5 | <20 | < 10 | 480 | < 1 | < 30 | < 10 | < 5 | -- | 40 | 46 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 10/14/1992 | 39 | 0.19 | 7 | 67 | 9 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 220 | < 1 | < 30 | 20 | < 5 | -- | < 10 | 14 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/11/1993 | 25 | 1.38 | 5.5 | 33 | 6 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 410 | < 1 | < 10 | 30 | < 5 | -- | 70 | 7 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 10/13/1993 | 35 | 1.44 | 6.8 | 52 | 8 | -- | -- | -- | < 5 | -- | -- | -- | -- | -- | -- | -- | -- | -- | 4 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/18/1994 | 25 | 4.3 | 7.2 | 43 | 6 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 400 | < 1 | 10 | < 10 | < 5 | -- | 30 | 10 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 10/26/1994 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/15/1995 | 25 | 4.88 | 7 | 65 | 5 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 930 | < 1 | < 10 | < 10 | < 5 | -- | 20 | < 10 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 10/20/1995 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/29/1996 | 25 | 17.6 | 7.5 | 38 | 6 | 300 | < 3 | < 0.1 | < 5 | 1 | 2 | 1010 | < 0.6 | < 20 | < 3 | < 1 | -- | 20 | < 10 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 10/21/1996 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 2/11/1997 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 4/15/1997 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 5/15/1997 | 25 | 2.26 | 6.8 | 57 | 5 | < 100 | < 3 | < 0.1 | < 5 | -- | 2 | 850 | -- | < 20 | < 3 | < 1 | -- | 40 | < 10 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 6/16/1997 | 25 | 1.93 | 6.89 | 49 | 5 | < 100 | < 3 | < 0.1 | < 5 | -- | 12 | 340 | -- | < 20 | 5 | 1 | -- | -- | < 10 | |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 8/12/1997 | -- | 0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Lodge Pole Creek | Z-30 | Upper Lodge Pole Creek, Upper East Trib | 6/18/1998 | 27.7 | -- | -- | 54 | 4.3 | 120 | < 3 | < 0.1 | < 5 | -- | 11 | 540 | -- | < 20 | 6 | < 1 | -- | < 10 | < 10 | |
| Mill Gulch (see Montana Gulch sites) | L-40, RCSS-5 | Upper Montana Gulch, Upper Rock Creek | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Montana Gulch | L-40 | Upper MT West of L85 Pad | 5/20/1994 | 204 | 60 | 8.1 | 244 | 23 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | < 30 | < 1 | < 10 | < 10 | < 5 | -- | < 0.01 | < 10 | |

| Water Body Segment | Site ID | Site Description | Sample_Date | Hardness (mg/L) | Flow (GPM) | pH | TDS (mg/L) | SO ₄ (mg/L) | AL dis (µg/L) | As trm (µg/L) | Cd trm (µg/l) | CN tot (µg/L) | Cr trm (µg/L) | Cu trm (µg/l) | Fe trm (µg/L) | Hg trm (µg/L) | Ni trm (µg/l) | Pb trm (µg/l) | Se trm (µg/l) | Tl trm (µg/L) | Zn trm (µg/l) | TSS (mg/L) |
|---|-------------------|--|-------------|-----------------|------------|-----|------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|------------|
| Montana Gulch | L-40 | Upper MT West of L85 Pad | 8/3/1994 | 284 | 2.74 | 8 | 336 | 43 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | < 30 | < 1 | < 10 | < 10 | < 5 | -- | 0.01 | 10 |
| Montana Gulch | L-40 | Upper MT West of L85 Pad | 10/31/1994 | 287 | 0.93 | 7.8 | 330 | 47 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | < 30 | < 1 | < 10 | < 10 | < 5 | -- | 0.01 | 10 |
| Montana Gulch | L-40 | Upper MT West of L85 Pad | 5/14/1995 | 249 | 37 | 7.9 | 273 | 45 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 270 | < 1 | < 10 | < 10 | 9 | -- | 0.01 | 10 |
| Montana Gulch | L-40 | Upper MT West of L85 Pad | 6/1/1996 | 175 | 93 | 7.3 | 192 | 21 | < 100 | < 5 | < 0.1 | < 5 | < 1 | < 1 | < 10 | < 0.6 | < 20 | < 3 | < 1 | -- | < 0.01 | < 10 |
| Montana Gulch | L-40 | Upper MT West of L85 Pad | 6/1/1996 | 181 | 93 | 6.8 | 199 | 21 | < 100 | < 5 | < 0.1 | < 5 | < 1 | < 1 | < 10 | < 0.6 | < 20 | < 3 | < 1 | -- | < 0.01 | < 10 |
| Rock Creek | RCSS-5 | Rock Creek | 5/15/1997 | 17 | 0.59 | 6.6 | -- | -- | 800 | < 3 | < 0.1 | < 5 | 2 | 6 | 1300 | < 0.6 | < 20 | < 3 | < 1 | -- | < 20 | -- |
| Rock Creek (see Alder Gulch, Rock Creek sites) | Z-60-62 RCSS-5 | Upper Alder Gulch, Upper Rock Creek | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ruby Creek (see Alder Gulch, Ruby Gulch sites) | AGSS-10 | Upper Alder Gulch U/S of Hawkeye | 5/12/1997 | 34.00 | 39 | 6.5 | 63 | 17 | 200 | < 3 | < 1 | < 5 | < 1 | 5 | 430 | < 0.6 | < 20 | < 3 | < 1 | 0.003 | < 10 | -- |
| Ruby Creek | RGSP-1 | Upper Ruby Gulch, North Trib | 5/16/1997 | 41 | 3 | 7.1 | 50 | 8 | 200 | < 3 | < 0.1 | < 5 | 1 | < 1 | 440 | < 0.6 | < 20 | < 3 | < 1 | -- | < 20 | -- |
| Ruby Creek | RGSS-1 | Upper Ruby Gulch, North Trib | 5/12/1997 | 65 | 5 | 7.6 | 71 | -- | -- | < 3 | < 0.1 | < 5 | < 1 | 1 | 160 | < 0.6 | -- | < 3 | < 1 | -- | < 20 | -- |
| Ruby Creek | Z-52 | East Ruby Gulch Trib | 5/19/1994 | 85 | 85 | 8.1 | 105 | 12 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 110 | < 1 | < 10 | < 10 | < 5 | -- | 20 | 23 |
| Ruby Creek | Z-52 | East Ruby Gulch Trib | 5/16/1995 | 45 | 85 | 7.7 | 71 | 9 | -- | < 5 | < 1 | < 5 | < 10 | < 10 | 860 | < 1 | < 10 | < 10 | < 5 | -- | 10 | 10 |
| Ruby Creek | Z-52 | East Ruby Gulch Trib | 6/3/1996 | 138 | 8 | 7.1 | 171 | 53 | 200 | < 3 | < 0.1 | < 5 | < 1 | < 1 | 300 | < 0.6 | < 20 | < 3 | < 1 | -- | 20 | 10 |
| Ruby Creek (see Alder Gulch sites) | Z-60-62 | Upper Alder Gulch | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Ruby Creek | Z-9 | East Ruby Gulch Trib | 7/3/1997 | 75 | -- | -- | -- | -- | -- | < 3 | < 0.1 | -- | < 1 | -- | -- | -- | < 20 | < 3 | < 1 | -- | -- | -- |
| Ruby Gulch (see Ruby Creek and Alder Gulch sites) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sullivan Creek (see Rock Creek Site RCSS-5, upper Alder Gulch sites Z-60-62, Montana Gulch site L-40) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Swift Gulch Creek | L-41 | Upper Swift Gulch | 5/14/1997 | 12 | 5 | 7.2 | 43 | 7 | 200 | 6 | < 0.1 | < 5 | 1 | 5 | 750 | < 0.6 | < 20 | < 3 | < 1 | < 3 | < 20 | -- |
| Swift Gulch Creek | L-45 | Upper Swift Gulch | 5/14/1997 | 11 | 1 | 6.9 | 65 | 8 | 200 | < 3 | < 0.1 | < 5 | 1 | 4 | 610 | < 0.6 | < 20 | < 3 | < 1 | < 3 | < 20 | -- |
| Swift Gulch Creek | L-45 | Upper Swift Gulch | 4/8/2004 | 9 | -- | 6.1 | 61 | 6 | 0 | 3 | 0 | -- | -- | 7 | 1270 | < 0.6 | 0 | 0 | 0 | -- | 0 | < 10 |
| Swift Gulch Creek (see South Big Horn site L-21) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

