Supplemental DataTable 3. Distance Decay Data for Cougar Creek and Obsidian Cliff Obsidian Artifacts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Obsidian Source | Site Region | Distance (km) | Sourced Artifacts | Percent from source | Reference |
| Cougar Creek | Cougar Creek | 0 | 49 | 100 | This paper |
| Obsidian Cliff | Obsidian Cliff | 0 | 80 | 100 | Davis et al. 1995 |
| Cougar Creek | Gneiss/Cougar/Madison | 2 | 40 | 43 | This paper |
| Obsidian Cliff | Solfatara Creek | 2 | 14 | 93 | MacDonald 2016 |
| Cougar Creek | Madison River | 5 | 11 | 9 | This paper |
| Obsidian Cliff | Obsidian Creek | 5 | 9 | 89 | MacDonald 2016 |
| Cougar Creek | Gneiss/Cougar/Madison | 8 | 34 | 18 | This paper |
| Obsidian Cliff | Norris/Sheepeater | 8 | 92 | 83 | Multiple1 |
| Cougar Creek | Hegben/Madison River | 20 | 46 | 2 | Dickerson 2009 |
| Obsidian Cliff | Gibbon/Firehole Rivers | 20 | 49 | 98 | MacDonald 2016 |
| Cougar Creek | Nymph Lake/Norris | 25 | 70 | 1.4 | Sanders et al. 2011 |
| Obsidian Cliff | Upper Firehole River | 25 | 30 | 80 | MacDonald 2016 |
| Cougar Creek | Hayden Valley/Yell. River | 30 | 120 | 0 | Sanders 2013 |
| Obsidian Cliff | Yellowstone Lake/North | 30 | 101 | 92 | MacDonald et al. 2012 |
| Cougar Creek | West Thumb/Yell Lake | 50 | 66 | 5 | Sanders 2013 |
| Obsidian Cliff | Osprey Bch/Clear Creek | 50 | 194 | 50 | Sanders 2013; Livers et al. 2012 |
| Cougar Creek | Southeast Arm/Yell. Lake | 80 | 97 | 2 | Multiple2 |
| Obsidian Cliff | Southeast Arm/Yell. Lake | 80 | 97 | 58 | Multiple2 |
| Cougar Creek | Mummy Cave | 110 | 73 | 0 | Hughes 2005 |
| Obsidian Cliff | Mummy Cave | 105 | 73 | 59 | Hughes 2005 |

1 Sheepeater Cliff (Werle 2011); Nymph Lake (Sanders et al. 2011); Sheepeater Bridge (Sanders 2013b); Swan Lake Flat (Livers et al. 2011)

2 MacDonald 2013; Park 2013; Vivian 2009; Shortt 2001