

**Table S1: Snow fly collection location and species data sheet.**

fly_id	sex	species (DNA ID)	collection_date	latitude	longitude	elevation (m)
SF0056	female	alexandriana	12/29/20	47.439167	-120.37222	1524
SF0070	male	alexandriana	12/29/20	47.439167	-120.37222	1524
SF0075	male	alexandriana	12/29/20	47.439167	-120.37222	1524
SF0077	male	excavata	12/29/20	47.439167	-120.37222	1524
SF0079	male	alexandriana	12/29/20	47.439167	-120.37222	1524
SF0080	male	alexandriana	12/29/20	47.439167	-120.37222	1524
SF0063	male	alexandriana	12/31/20	46.930278	-121.4525	1889.76
SF0066	female	alexandriana	12/31/20	46.930278	-121.4525	1889.76
SF0085	female	alexandriana	1/9/21	48.618056	-120.32556	1940.357
SF0087	female	alexandriana	1/9/21	48.618056	-120.32556	1940.357
SF0130	male	excavata	11/7/2021	47.37664	-121.45107	1182.624
SF0131	male	alexandriana	11/7/2021	47.37664	-121.45107	1182.624
SF0133	female	alexandriana	11/7/2021	47.37664	-121.45107	1182.624
SF0134	male	alexandriana	11/7/2021	47.37664	-121.45107	1182.624
SF0129	male	alexandriana	11/7/2021	47.37664	-121.45107	1182.624
SF0135	female	alexandriana	11/7/2021	47.37664	-121.45107	1182.624
SF0132	male	alexandriana	11/7/2021	47.37664	-121.45107	1182.624
SF0140	female	alexandriana	11/21/2021	46.79483	-121.71869	1859.28
SF0141	female	alexandriana	11/21/2021	46.79483	-121.71869	1859.28
SF0142	male	alexandriana	11/21/2021	46.79483	-121.71869	1859.28
SF0145	male	alexandriana	11/21/2021	46.79483	-121.71869	1859.28
SF0146	male	alexandriana	11/21/2021	46.79483	-121.71869	1859.28
SF0147	male	alexandriana	11/21/2021	46.79483	-121.71869	1859.28
SF0148	male	alexandriana	11/21/2021	46.79483	-121.71869	1859.28
SF0149	female	excavata	11/21/2021	46.79483	-121.71869	1859.28
SF0150	female	alexandriana	11/24/2021	48.84931	-121.69953	1676.4
SF0151	female	excavata	11/24/2021	48.84931	-121.69953	1676.4
SF0153	male	excavata	11/24/2021	48.84931	-121.69953	1676.4
SF0154	female	alexandriana	11/24/2021	48.84931	-121.69953	1676.4
SF0156	male	alexandriana	12/5/2021	47.3776	-121.34073	1554.48
SF0157	male	alexandriana	12/5/2021	47.3776	-121.34073	1554.48
SF0158	male	alexandriana	12/5/2021	47.3776	-121.34073	1554.48

SF0160	female	alexandriana	12/12/2021	47.3989	-121.42386	1158.24
SF0163	female	excavata	12/12/2021	47.3989	-121.42386	1158.24
SF0164	female	alexandriana	12/12/2021	47.3989	-121.42386	1158.24
SF0165	male	excavata	12/12/2021	47.3989	-121.42386	1158.24
SF0166	female	macnabeana	12/12/2021	47.3989	-121.42386	1158.24
SF0168	female	excavata	12/12/2021	48.84931	-121.69953	1676.4
SF0169	female	alexandriana	12/12/2021	48.84931	-121.69953	1676.4
SF0170	male	excavata	12/12/2021	48.84931	-121.69953	1676.4
SF0171	female	excavata	12/8/2021	48.84931	-121.69953	1676.4
SF0173	male	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0174	male	macnabeana	12/22/2021	47.7444	-121.02939	1687.068
SF0175	male	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0176	male	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0177	female	macnabeana	12/22/2021	47.7444	-121.02939	1687.068
SF0178	female	albertensis	12/22/2021	47.7444	-121.02939	1687.068
SF0179	male	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0180	female	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0181	female	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0182	female	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0183	male	albertensis	12/22/2021	47.7444	-121.02939	1687.068
SF0184	female	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0185	female	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0186	male	alexandriana	12/22/2021	47.7444	-121.02939	1687.068
SF0187	male	albertensis	12/22/2021	47.7444	-121.02939	1687.068
SF0191	female	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0192	female	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0193	male	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0194	female	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0195	male	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0196	female	macnabeana	1/5/2022	47.44829	-121.4279	1014.984
SF0197	female	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0198	male	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0200	male	albertensis	1/5/2022	47.44829	-121.4279	1014.984

SF0201	female	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0202	female	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0203	female	excavata	1/5/2022	47.44829	-121.4279	1014.984
SF0204	male	alexandriana	1/5/2022	47.44829	-121.4279	1014.984
SF0206	male	excavata	1/14/2022	48.853556	-121.69314	1290.523
SF0207	female	excavata	1/14/2022	48.853556	-121.69314	1290.523
SF0217	female	alexandriana	1/16/2022	48.71551	-121.99175	1687.373
SF0220	male	alexandriana	1/30/2022	47.44829	-121.4279	1014.984
SF0221	female	excavata	1/30/2022	47.44829	-121.4279	1014.984
SF0222	male	alexandriana	1/30/2022	47.44829	-121.4279	1014.984
SF0244	female	alexandriana	4/6/2022	47.458611	-121.41733	1866.9
SF0245	male	alexandriana	4/10/2022	47.456694	-121.41464	1758.086