

Mammal Inventory of Alaska's National Parks and Preserves

**Southwest Alaska Network:
*Kenai Fjords National Park, Lake Clark National Park and
Preserve, Katmai National Park and Preserve***

Final Report: Appendices

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Table A1. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Kenai Fjords National Monument, Alaska, field season 2003. Species names: Northern Red-backed Vole (*Clethrionomys rutilus*), Tundra Vole (*Tundra Vole*), Cinereus Shrew (*Sorex cinereus*), Montane Shrew (*Montane Shrew*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93551	Northern Red-backed Vole	IF=12026	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93553	Northern Red-backed Vole	IF=12028	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93555	Northern Red-backed Vole	IF=12030	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93556	Northern Red-backed Vole	IF=12031	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93576	Northern Red-backed Vole	IF=12051	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93601	Northern Red-backed Vole	IF=12076	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	13-Jul-03
93605	Northern Red-backed Vole	IF=12080	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Bay outflow	13-Jul-03
93607	Northern Red-backed Vole	IF=12082	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Bay outflow	14-Jul-03
93608	Northern Red-backed Vole	IF=12083	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93650	Northern Red-backed Vole	IF=12125	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93679	Northern Red-backed Vole	IF=12154	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93680	Northern Red-backed Vole	IF=12155	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93681	Northern Red-backed Vole	IF=12156	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93682	Northern Red-backed Vole	IF=12157	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93683	Northern Red-backed Vole	IF=12158	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93684	Northern Red-backed Vole	IF=12159	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93685	Northern Red-backed Vole	IF=12160	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93693	Northern Red-backed Vole	IF=12168	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93694	Northern Red-backed Vole	IF=12169	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93705	Northern Red-backed Vole	IF=12180	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93706	Northern Red-backed Vole	IF=12181	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93713	Northern Red-backed Vole	IF=12188	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93714	Northern Red-backed Vole	IF=12189	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93715	Northern Red-backed Vole	IF=12190	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93716	Northern Red-backed Vole	IF=12191	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93717	Northern Red-backed Vole	IF=12192	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93724	Northern Red-backed Vole	IF=12199	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93733	Northern Red-backed Vole	IF=12508	2003.40.	59.77361111	-149.9244444	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93742	Northern Red-backed Vole	IF=12517	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93743	Northern Red-backed Vole	IF=12518	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93744	Northern Red-backed Vole	IF=12519	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93745	Northern Red-	IF=12520	2003.40.	59.80638889	-149.6438889	Blying	KEFJ	"Aialik Bay, south Tooth	21-Jul-03

Table A1. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Kenai Fjords National Monument, Alaska, field season 2003. Species names: Northern Red-backed Vole (*Clethrionomys rutilus*), Tundra Vole (*Tundra Vole*), Cinereus Shrew (*Sorex cinereus*), Montane Shrew (*Montane Shrew*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
	backed Vole					Sound		Cove"	
93746	Northern Red-backed Vole	IF=12521	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93747	Northern Red-backed Vole	IF=12522	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93748	Northern Red-backed Vole	IF=12523	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93749	Northern Red-backed Vole	IF=12524	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93753	Northern Red-backed Vole	IF=12528	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93754	Northern Red-backed Vole	IF=12529	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93755	Northern Red-backed Vole	IF=12530	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93756	Northern Red-backed Vole	IF=12531	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93757	Northern Red-backed Vole	IF=12532	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93758	Northern Red-backed Vole	IF=12533	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93759	Northern Red-backed Vole	IF=12534	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93760	Northern Red-backed Vole	IF=12535	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93767	Northern Red-backed Vole	IF=12542	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93768	Northern Red-backed Vole	IF=12543	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93769	Northern Red-backed Vole	IF=12544	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93775	Northern Red-backed Vole	IF=12550	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93776	Northern Red-backed Vole	IF=12551	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93777	Northern Red-backed Vole	IF=12552	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93778	Northern Red-backed Vole	IF=12553	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93779	Northern Red-backed Vole	IF=12554	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93780	Northern Red-backed Vole	IF=12555	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93781	Northern Red-backed Vole	IF=12556	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93787	Northern Red-backed Vole	IF=12562	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93788	Northern Red-backed Vole	IF=12563	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93789	Northern Red-backed Vole	IF=12564	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93790	Northern Red-backed Vole	IF=12565	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93791	Northern Red-backed Vole	IF=12566	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93792	Northern Red-backed Vole	IF=12567	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93793	Northern Red-backed Vole	IF=12568	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93794	Northern Red-backed Vole	IF=12568	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93795	Northern Red-backed Vole	IF=12569	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93796	Northern Red-backed Vole	IF=12570	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93798	Northern Red-backed Vole	IF=12572	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93799	Northern Red-backed Vole	IF=12573	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93800	Northern Red-backed Vole	IF=12574	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93801	Northern Red-backed Vole	IF=12575	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93802	Northern Red-backed Vole	IF=12576	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93803	Northern Red-backed Vole	IF=12577	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93809	Northern Red-backed Vole	IF=12583	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93810	Northern Red-backed Vole	IF=12584	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93816	Northern Red-backed Vole	IF=12590	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93821	Northern Red-backed Vole	IF=12595	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93822	Northern Red-backed Vole	IF=12596	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93844	Northern Red-backed Vole	IF=12618	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93845	Northern Red-backed Vole	IF=12619	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93846	Northern Red-backed Vole	IF=12620	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93847	Northern Red-backed Vole	IF=12621	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93848	Northern Red-backed Vole	IF=12622	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93849	Northern Red-backed Vole	IF=12623	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93850	Northern Red-backed Vole	IF=12624	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93851	Northern Red-backed Vole	IF=12625	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93852	Northern Red-backed Vole	IF=12626	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93853	Northern Red-backed Vole	IF=12627	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93854	Northern Red-backed Vole	IF=12628	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93855	Northern Red-backed Vole	IF=12629	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93856	Northern Red-backed Vole	IF=12630	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93857	Northern Red-backed Vole	IF=12631	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93858	Northern Red-backed Vole	IF=12632	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93859	Northern Red-backed Vole	IF=12633	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93860	Northern Red-backed Vole	IF=12634	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93861	Northern Red-backed Vole	IF=12635	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93862	Northern Red-backed Vole	IF=12636	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93863	Northern Red-backed Vole	IF=12637	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93864	Northern Red-backed Vole	IF=12638	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93865	Northern Red-	IF=12639	2003.40.	59.80083333	-149.6438889	Blying	KEFJ	"Aialik Bay, south Tooth	22-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
	backed Vole							Cove"	
93866	Northern Red-backed Vole	IF=12640	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93867	Northern Red-backed Vole	IF=12641	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93868	Northern Red-backed Vole	IF=12642	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93869	Northern Red-backed Vole	IF=12643	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93871	Northern Red-backed Vole	IF=12645	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	"Resurrection River, 2.5 km northwest mouth of Placer Creek"	26-Jul-03
93872	Northern Red-backed Vole	IF=12646	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93873	Northern Red-backed Vole	IF=12647	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93874	Northern Red-backed Vole	IF=12648	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93875	Northern Red-backed Vole	IF=12649	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93876	Northern Red-backed Vole	IF=12650	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93877	Northern Red-backed Vole	IF=12651	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93878	Northern Red-backed Vole	IF=12652	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93879	Northern Red-backed Vole	IF=12653	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93880	Northern Red-backed Vole	IF=12654	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93881	Northern Red-backed Vole	IF=12655	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93882	Northern Red-backed Vole	IF=12656	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93883	Northern Red-backed Vole	IF=12657	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93884	Northern Red-backed Vole	IF=12658	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93885	Northern Red-backed Vole	IF=12659	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93886	Northern Red-backed Vole	IF=12660	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93887	Northern Red-backed Vole	IF=12661	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93888	Northern Red-backed Vole	IF=12662	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93889	Northern Red-backed Vole	IF=12663	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93914	Northern Red-backed Vole	IF=12688	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03
93915	Northern Red-backed Vole	IF=12689	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03
93916	Northern Red-backed Vole	IF=12690	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03
93917	Northern Red-backed Vole	IF=12691	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03
93918	Northern Red-backed Vole	IF=12692	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03
93919	Northern Red-backed Vole	IF=12693	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03
93920	Northern Red-backed Vole	IF=12694	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93925	Northern Red-backed Vole	IF=12699	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93928	Northern Red-	IF=12702	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03

Table A1. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Kenai Fjords National Monument, Alaska, field season 2003. Species names: Northern Red-backed Vole (*Clethrionomys rutilus*), Tundra Vole (*Tundra Vole*), Cinereus Shrew (*Sorex cinereus*), Montane Shrew (*Montane Shrew*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
	backed Vole								
93929	Northern Red-backed Vole	IF=12703	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93930	Northern Red-backed Vole	IF=12704	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93931	Northern Red-backed Vole	IF=12705	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93932	Northern Red-backed Vole	IF=12706	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93938	Northern Red-backed Vole	IF=12712	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93939	Northern Red-backed Vole	IF=12713	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93940	Northern Red-backed Vole	IF=12714	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93941	Northern Red-backed Vole	IF=12715	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93942	Northern Red-backed Vole	IF=12716	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93950	Northern Red-backed Vole	IF=12724	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93951	Northern Red-backed Vole	IF=12725	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93952	Northern Red-backed Vole	IF=12726	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93958	Northern Red-backed Vole	IF=12732	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93959	Northern Red-backed Vole	IF=12733	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93968	Northern Red-backed Vole	IF=12742	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93969	Northern Red-backed Vole	IF=12743	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93972	Northern Red-backed Vole	IF=12746	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93975	Northern Red-backed Vole	IF=12749	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	27-Jul-03
93981	Northern Red-backed Vole	IF=12755	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93991	Northern Red-backed Vole	IF=12764	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	27-Jul-03
93992	Northern Red-backed Vole	IF=12765	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93993	Northern Red-backed Vole	IF=12766	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
93994	Northern Red-backed Vole	IF=12767	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94013	Northern Red-backed Vole	IF=12202	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94014	Northern Red-backed Vole	IF=12203	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94015	Northern Red-backed Vole	IF=12204	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94032	Northern Red-backed Vole	IF=12221	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94038	Northern Red-backed Vole	IF=12227	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94039	Northern Red-backed Vole	IF=12228	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94058	Northern Red-backed Vole	IF=12247	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94059	Northern Red-backed Vole	IF=12248	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94070	Northern Red-backed Vole	IF=12259	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Nuka Bay, Beauty Bay, Shelter Cove"	10-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94071	Northern Red-backed Vole	IF=12260	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Nuka Bay, Beauty Bay, Shelter Cove"	10-Jul-03
94072	Northern Red-backed Vole	IF=12261	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Nuka Bay, Beauty Bay, Shelter Cove"	10-Jul-03
94073	Northern Red-backed Vole	IF=12262	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Nuka Bay, Beauty Bay, Shelter Cove"	10-Jul-03
94074	Northern Red-backed Vole	IF=12263	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Nuka Bay, Beauty Bay, Shelter Cove"	10-Jul-03
94075	Northern Red-backed Vole	IF=12264	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Nuka Bay, Beauty Bay, Shelter Cove"	10-Jul-03
94076	Northern Red-backed Vole	IF=12265	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94077	Northern Red-backed Vole	IF=12266	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94078	Northern Red-backed Vole	IF=12267	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94079	Northern Red-backed Vole	IF=12268	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94080	Northern Red-backed Vole	IF=12269	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94081	Northern Red-backed Vole	IF=12270	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94082	Northern Red-backed Vole	IF=12271	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94083	Northern Red-backed Vole	IF=12272	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94091	Northern Red-backed Vole	IF=12280	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94100	Northern Red-backed Vole	IF=12289	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94101	Northern Red-backed Vole	IF=12290	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94116	Northern Red-backed Vole	IF=12305	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94117	Northern Red-backed Vole	IF=12306	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94118	Northern Red-backed Vole	IF=12307	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94137	Northern Red-backed Vole	IF=12326	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94165	Northern Red-backed Vole	IF=12354	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94167	Northern Red-backed Vole	IF=12356	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east Bay, Delight Spit"	12-Jul-03
94168	Northern Red-backed Vole	IF=12357	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east Bay, Delight Spit"	12-Jul-03
94176	Northern Red-backed Vole	IF=12365	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94177	Northern Red-backed Vole	IF=12366	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94178	Northern Red-backed Vole	IF=12367	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94198	Northern Red-backed Vole	IF=12387	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	13-Jul-03
94199	Northern Red-backed Vole	IF=12388	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94200	Northern Red-backed Vole	IF=12389	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94204	Northern Red-backed Vole	IF=12393	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94205	Northern Red-backed Vole	IF=12394	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94211	Northern Red-backed Vole	IF=12400	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94213	Northern Red-	IF=12402	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
	backed Vole								
94216	Northern Red-backed Vole	IF=12405	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94220	Northern Red-backed Vole	IF=12409	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94226	Northern Red-backed Vole	IF=12416	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94227	Northern Red-backed Vole	IF=12417	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94228	Northern Red-backed Vole	IF=12418	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94229	Northern Red-backed Vole	IF=12419	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94230	Northern Red-backed Vole	IF=12420	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94238	Northern Red-backed Vole	IF=12428	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94272	Northern Red-backed Vole	IF=12462	2003.40.	59.69444444	-150.1477778	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94273	Northern Red-backed Vole	IF=12463	2003.40.	59.69444444	-150.1477778	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94274	Northern Red-backed Vole	IF=12464	2003.40.	59.69444444	-150.1477778	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94279	Northern Red-backed Vole	IF=12469	2003.40.	59.71666667	-150.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94284	Northern Red-backed Vole	IF=12474	2003.40.	59.71666667	-150.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94285	Northern Red-backed Vole	IF=12475	2003.40.	59.71666667	-150.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94286	Northern Red-backed Vole	IF=12476	2003.40.	59.71666667	-150.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94289	Northern Red-backed Vole	IF=12479	2003.40.	59.71666667	-150.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94290	Northern Red-backed Vole	IF=12480	2003.40.	59.71666667	-150.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94291	Northern Red-backed Vole	IF=12481	2003.40.	59.69166667	-150.7833333	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94296	Northern Red-backed Vole	IF=12486	2003.40.	59.77194444	-149.9227778	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94301	Northern Red-backed Vole	IF=12491	2003.40.	59.77361111	-149.9197222	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94302	Northern Red-backed Vole	IF=12492	2003.40.	59.77361111	-149.9197222	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94303	Northern Red-backed Vole	IF=12493	2003.40.	59.77361111	-149.9197222	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94304	Northern Red-backed Vole	IF=12494	2003.40.	59.77361111	-149.9197222	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93552	Tundra Vole	IF=12027	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93554	Tundra Vole	IF=12029	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93574	Tundra Vole	IF=12049	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93575	Tundra Vole	IF=12050	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93702	Tundra Vole	IF=12177	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93703	Tundra Vole	IF=12178	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93704	Tundra Vole	IF=12179	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93712	Tundra Vole	IF=12187	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93723	Tundra Vole	IF=12198	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93752	Tundra Vole	IF=12527	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93766	Tundra Vole	IF=12541	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93773	Tundra Vole	IF=12548	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93774	Tundra Vole	IF=12549	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93808	Tundra Vole	IF=12582	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93811	Tundra Vole	IF=12585	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93812	Tundra Vole	IF=12586	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93813	Tundra Vole	IF=12587	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93814	Tundra Vole	IF=12588	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93817	Tundra Vole	IF=12591	2003.40.	59.80638889	-149.6441667	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93819	Tundra Vole	IF=12593	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93820	Tundra Vole	IF=12594	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93836	Tundra Vole	IF=12610	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93870	Tundra Vole	IF=12644	2003.40.	60.16194444	-149.4513889	Seward	KEFJ	"Seward, Resurrection River"	24-Jul-03
94012	Tundra Vole	IF=12201	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94031	Tundra Vole	IF=12220	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94036	Tundra Vole	IF=12225	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94037	Tundra Vole	IF=12226	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94212	Tundra Vole	IF=12401	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94214	Tundra Vole	IF=12403	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94215	Tundra Vole	IF=12404	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94237	Tundra Vole	IF=12427	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94239	Tundra Vole	IF=12429	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94240	Tundra Vole	IF=12430	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94241	Tundra Vole	IF=12431	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94269	Tundra Vole	IF=12459	2003.40.	59.69444444	-150.1477778	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94270	Tundra Vole	IF=12460	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94271	Tundra Vole	IF=12461	2003.40.	59.69444444	-150.1477778	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94277	Tundra Vole	IF=12467	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94278	Tundra Vole	IF=12468	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	18-Jul-03
93524	Cinereus Shrew	IF=12000	2003.40.	59.62777778	-150.6702778	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93525	Cinereus Shrew	IF=12001	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93526	Cinereus Shrew	IF=12002	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93527	Cinereus Shrew	IF=12002	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93528	Cinereus Shrew	IF=12003	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93529	Cinereus Shrew	IF=12004	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93530	Cinereus Shrew	IF=12005	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93531	Cinereus Shrew	IF=12006	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93532	Cinereus Shrew	IF=12007	2003.40.	59.4575	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93533	Cinereus Shrew	IF=12008	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93536	Cinereus Shrew	IF=12011	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93537	Cinereus Shrew	IF=12012	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03

Table A1. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Kenai Fjords National Monument, Alaska, field season 2003. Species names: Northern Red-backed Vole (*Clethrionomys rutilus*), Tundra Vole (*Tundra Vole*), Cinereus Shrew (*Sorex cinereus*), Montane Shrew (*Montane Shrew*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93538	Cinereus Shrew	IF=12013	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93539	Cinereus Shrew	IF=12014	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93540	Cinereus Shrew	IF=12015	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93541	Cinereus Shrew	IF=12016	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93542	Cinereus Shrew	IF=12017	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93543	Cinereus Shrew	IF=12018	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93544	Cinereus Shrew	IF=12019	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93545	Cinereus Shrew	IF=12020	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93546	Cinereus Shrew	IF=12021	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93547	Cinereus Shrew	IF=12022	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93550	Cinereus Shrew	IF=12025	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93557	Cinereus Shrew	IF=12032	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93558	Cinereus Shrew	IF=12033	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93559	Cinereus Shrew	IF=12034	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93560	Cinereus Shrew	IF=12035	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93561	Cinereus Shrew	IF=12036	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93562	Cinereus Shrew	IF=12037	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93563	Cinereus Shrew	IF=12038	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93564	Cinereus Shrew	IF=12039	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93567	Cinereus Shrew	IF=12042	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93568	Cinereus Shrew	IF=12043	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93569	Cinereus Shrew	IF=12044	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93570	Cinereus Shrew	IF=12045	2003.40.	59.62638889	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93572	Cinereus Shrew	IF=12047	2003.40.	59.62638889	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93573	Cinereus Shrew	IF=12048	2003.40.	59.62638889	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93578	Cinereus Shrew	IF=12053	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93579	Cinereus Shrew	IF=12054	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93580	Cinereus Shrew	IF=12055	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93581	Cinereus Shrew	IF=12056	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93582	Cinereus Shrew	IF=12057	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93583	Cinereus Shrew	IF=12058	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93584	Cinereus Shrew	IF=12059	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93585	Cinereus Shrew	IF=12060	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Storm Mtn."	
93586	Cinereus Shrew	IF=12061	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93587	Cinereus Shrew	IF=12062	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93588	Cinereus Shrew	IF=12063	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93589	Cinereus Shrew	IF=12064	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93590	Cinereus Shrew	IF=12065	2003.40.	59.62777778	-150.6702778	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93591	Cinereus Shrew	IF=12066	2003.40.	59.62777778	-150.6702778	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93592	Cinereus Shrew	IF=12067	2003.40.	59.62777778	-150.6702778	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93593	Cinereus Shrew	IF=12068	2003.40.	59.62777778	-150.6702778	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93594	Cinereus Shrew	IF=12069	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	13-Jul-03
93595	Cinereus Shrew	IF=12070	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	13-Jul-03
93596	Cinereus Shrew	IF=12071	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	13-Jul-03
93597	Cinereus Shrew	IF=12072	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	13-Jul-03
93598	Cinereus Shrew	IF=12073	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	13-Jul-03
93599	Cinereus Shrew	IF=12074	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	13-Jul-03
93600	Cinereus Shrew	IF=12075	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	13-Jul-03
93602	Cinereus Shrew	IF=12077	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	13-Jul-03
93603	Cinereus Shrew	IF=12078	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	13-Jul-03
93604	Cinereus Shrew	IF=12079	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	13-Jul-03
93606	Cinereus Shrew	IF=12081	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Bay outflow	13-Jul-03
93610	Cinereus Shrew	IF=12085	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93611	Cinereus Shrew	IF=12086	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93612	Cinereus Shrew	IF=12087	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93613	Cinereus Shrew	IF=12088	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93614	Cinereus Shrew	IF=12089	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93615	Cinereus Shrew	IF=12090	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93616	Cinereus Shrew	IF=12091	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93617	Cinereus Shrew	IF=12092	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93618	Cinereus Shrew	IF=12093	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93619	Cinereus Shrew	IF=12094	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93620	Cinereus Shrew	IF=12095	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93623	Cinereus Shrew	IF=12098	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93624	Cinereus Shrew	IF=12099	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93625	Cinereus Shrew	IF=12100	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93626	Cinereus Shrew	IF=12101	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93627	Cinereus Shrew	IF=12102	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93628	Cinereus Shrew	IF=12103	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93629	Cinereus Shrew	IF=12104	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93630	Cinereus Shrew	IF=12105	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03
93631	Cinereus Shrew	IF=12106	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03
93632	Cinereus Shrew	IF=12107	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03
93633	Cinereus Shrew	IF=12108	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03
93634	Cinereus Shrew	IF=12109	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03
93635	Cinereus Shrew	IF=12110	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03
93636	Cinereus Shrew	IF=12111	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03
93637	Cinereus Shrew	IF=12112	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93638	Cinereus Shrew	IF=12113	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03
93639	Cinereus Shrew	IF=12114	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	14-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93641	Cinereus Shrew	IF=12116	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93643	Cinereus Shrew	IF=12118	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93644	Cinereus Shrew	IF=12119	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93645	Cinereus Shrew	IF=12120	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93646	Cinereus Shrew	IF=12121	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93648	Cinereus Shrew	IF=12123	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93649	Cinereus Shrew	IF=12124	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93655	Cinereus Shrew	IF=12130	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93656	Cinereus Shrew	IF=12131	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93657	Cinereus Shrew	IF=12132	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93658	Cinereus Shrew	IF=12133	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93659	Cinereus Shrew	IF=12134	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93660	Cinereus Shrew	IF=12135	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93661	Cinereus Shrew	IF=12136	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93662	Cinereus Shrew	IF=12137	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93663	Cinereus Shrew	IF=12138	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93664	Cinereus Shrew	IF=12139	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93665	Cinereus Shrew	IF=12140	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93666	Cinereus Shrew	IF=12141	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93667	Cinereus Shrew	IF=12142	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93668	Cinereus Shrew	IF=12143	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93670	Cinereus Shrew	IF=12145	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93671	Cinereus Shrew	IF=12146	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93672	Cinereus Shrew	IF=12147	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93673	Cinereus Shrew	IF=12148	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93674	Cinereus Shrew	IF=12149	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93675	Cinereus Shrew	IF=12150	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93676	Cinereus Shrew	IF=12151	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93677	Cinereus Shrew	IF=12152	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93678	Cinereus Shrew	IF=12153	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93686	Cinereus Shrew	IF=12161	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93687	Cinereus Shrew	IF=12162	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93688	Cinereus Shrew	IF=12163	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93689	Cinereus Shrew	IF=12164	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93690	Cinereus Shrew	IF=12165	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93691	Cinereus Shrew	IF=12166	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93692	Cinereus Shrew	IF=12167	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93695	Cinereus Shrew	IF=12170	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93696	Cinereus Shrew	IF=12171	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93697	Cinereus Shrew	IF=12172	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93698	Cinereus Shrew	IF=12173	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93699	Cinereus Shrew	IF=12174	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93701	Cinereus Shrew	IF=12176	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93707	Cinereus Shrew	IF=12182	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93708	Cinereus Shrew	IF=12183	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93709	Cinereus Shrew	IF=12184	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93710	Cinereus Shrew	IF=12185	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93711	Cinereus Shrew	IF=12186	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93718	Cinereus Shrew	IF=12193	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93719	Cinereus Shrew	IF=12194	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93720	Cinereus Shrew	IF=12195	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93721	Cinereus Shrew	IF=12196	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93722	Cinereus Shrew	IF=12197	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93731	Cinereus Shrew	IF=12506	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93732	Cinereus Shrew	IF=12507	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93735	Cinereus Shrew	IF=12510	2003.40.	59.77361111	-149.9244444	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93736	Cinereus Shrew	IF=12511	2003.40.	59.77361111	-149.9244444	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93737	Cinereus Shrew	IF=12512	2003.40.	59.77361111	-149.9244444	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93738	Cinereus Shrew	IF=12513	2003.40.	59.77361111	-149.9244444	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93739	Cinereus Shrew	IF=12514	2003.40.	59.77361111	-149.9244444	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93740	Cinereus Shrew	IF=12515	2003.40.	59.77361111	-149.9244444	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93750	Cinereus Shrew	IF=12525	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93751	Cinereus Shrew	IF=12526	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93761	Cinereus Shrew	IF=12536	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93762	Cinereus Shrew	IF=12537	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93763	Cinereus Shrew	IF=12538	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93764	Cinereus Shrew	IF=12539	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93765	Cinereus Shrew	IF=12540	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93770	Cinereus Shrew	IF=12545	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93771	Cinereus Shrew	IF=12546	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93772	Cinereus Shrew	IF=12547	2003.40.	59.80638889	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	21-Jul-03
93782	Cinereus Shrew	IF=12557	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93783	Cinereus Shrew	IF=12558	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93784	Cinereus Shrew	IF=12559	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93785	Cinereus Shrew	IF=12560	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93786	Cinereus Shrew	IF=12561	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93797	Cinereus Shrew	IF=12571	2003.40.	59.8175	-149.6341667	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93804	Cinereus Shrew	IF=12578	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93805	Cinereus Shrew	IF=12579	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93806	Cinereus Shrew	IF=12580	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	Aialik Bay	21-Jul-03
93807	Cinereus Shrew	IF=12581	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	21-Jul-03
93815	Cinereus Shrew	IF=12589	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93818	Cinereus Shrew	IF=12592	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93823	Cinereus Shrew	IF=12597	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93824	Cinereus Shrew	IF=12598	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93825	Cinereus Shrew	IF=12599	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93826	Cinereus Shrew	IF=12600	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93827	Cinereus Shrew	IF=12601	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93828	Cinereus Shrew	IF=12602	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93829	Cinereus Shrew	IF=12603	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93830	Cinereus Shrew	IF=12504	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93831	Cinereus Shrew	IF=12605	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93832	Cinereus Shrew	IF=12606	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93833	Cinereus Shrew	IF=12607	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93834	Cinereus Shrew	IF=12608	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93835	Cinereus Shrew	IF=12609	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93837	Cinereus Shrew	IF=12611	2003.40.	59.8175	-149.64	Blying Sound	KEFJ	"Aialik Bay, Tooth Cove"	22-Jul-03
93838	Cinereus Shrew	IF=12612	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93839	Cinereus Shrew	IF=12613	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93840	Cinereus Shrew	IF=12614	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93841	Cinereus Shrew	IF=12615	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93842	Cinereus Shrew	IF=12616	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	"Aialik Bay, south Tooth Cove"	22-Jul-03
93843	Cinereus Shrew	IF=12617	2003.40.	59.80083333	-149.6438889	Blying Sound	KEFJ	Aialik Bay	22-Jul-03
93890	Cinereus Shrew	IF=12664	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93891	Cinereus Shrew	IF=12665	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93892	Cinereus Shrew	IF=12666	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93893	Cinereus Shrew	IF=12667	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93894	Cinereus Shrew	IF=12668	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93895	Cinereus Shrew	IF=12669	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93896	Cinereus Shrew	IF=12670	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93897	Cinereus Shrew	IF=12671	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93898	Cinereus Shrew	IF=12672	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93899	Cinereus Shrew	IF=12673	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93900	Cinereus Shrew	IF=12674	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93901	Cinereus Shrew	IF=12675	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93902	Cinereus Shrew	IF=12676	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93903	Cinereus Shrew	IF=12677	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93904	Cinereus Shrew	IF=12678	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93905	Cinereus Shrew	IF=12679	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93906	Cinereus Shrew	IF=12680	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93907	Cinereus Shrew	IF=12681	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93908	Cinereus Shrew	IF=12682	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93909	Cinereus Shrew	IF=12683	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03
93910	Cinereus Shrew	IF=12684	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03
93911	Cinereus Shrew	IF=12685	2003.40.	60.28305556	-149.7111111	Seward	KEFJ	Resurrection River	26-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93912	Cinereus Shrew	IF=12686	2003.40.	60.28305556	-149.71111111	Seward	KEFJ	Resurrection River	26-Jul-03
93913	Cinereus Shrew	IF=12687	2003.40.	60.28305556	-149.71111111	Seward	KEFJ	Resurrection River	26-Jul-03
93921	Cinereus Shrew	IF=12695	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93922	Cinereus Shrew	IF=12696	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93923	Cinereus Shrew	IF=12697	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93924	Cinereus Shrew	IF=12698	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93926	Cinereus Shrew	IF=12700	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93927	Cinereus Shrew	IF=12701	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93933	Cinereus Shrew	IF=12707	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93934	Cinereus Shrew	IF=12708	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93935	Cinereus Shrew	IF=12709	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93936	Cinereus Shrew	IF=12710	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93937	Cinereus Shrew	IF=12711	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93943	Cinereus Shrew	IF=12717	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93944	Cinereus Shrew	IF=12718	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93945	Cinereus Shrew	IF=12719	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93946	Cinereus Shrew	IF=12720	2003.40.	60.28416667	-149.7102778	Seward	KEFJ	Resurrection River	26-Jul-03
93947	Cinereus Shrew	IF=12721	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93949	Cinereus Shrew	IF=12723	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93954	Cinereus Shrew	IF=12728	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93955	Cinereus Shrew	IF=12729	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93956	Cinereus Shrew	IF=12730	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93957	Cinereus Shrew	IF=12731	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93962	Cinereus Shrew	IF=12736	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93963	Cinereus Shrew	IF=12737	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93964	Cinereus Shrew	IF=12738	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93965	Cinereus Shrew	IF=12739	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93966	Cinereus Shrew	IF=12740	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93967	Cinereus Shrew	IF=12741	2003.40.	60.28611111	-149.71083333	Seward	KEFJ	Resurrection River	26-Jul-03
93970	Cinereus Shrew	IF=12744	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93971	Cinereus Shrew	IF=12745	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93973	Cinereus Shrew	IF=12747	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93974	Cinereus Shrew	IF=12748	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	26-Jul-03
93976	Cinereus Shrew	IF=12750	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	27-Jul-03
93977	Cinereus Shrew	IF=12751	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	27-Jul-03
93978	Cinereus Shrew	IF=12752	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	27-Jul-03
93979	Cinereus Shrew	IF=12753	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	27-Jul-03
93980	Cinereus Shrew	IF=12754	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	27-Jul-03
93982	Cinereus Shrew	IF=12756	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93984	Cinereus Shrew	IF=12758	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93985	Cinereus Shrew	IF=12758	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93986	Cinereus Shrew	IF=12759	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93987	Cinereus Shrew	IF=12760	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93988	Cinereus Shrew	IF=12761	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93989	Cinereus Shrew	IF=12762	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93990	Cinereus Shrew	IF=12763	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93996	Cinereus Shrew	IF=12769	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
93997	Cinereus Shrew	IF=12770	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
93998	Cinereus Shrew	IF=12771	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
93999	Cinereus Shrew	IF=12772	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94000	Cinereus Shrew	IF=12773	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94001	Cinereus Shrew	IF=12774	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94002	Cinereus Shrew	IF=12775	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94003	Cinereus Shrew	IF=12776	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94004	Cinereus Shrew	IF=12777	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94005	Cinereus Shrew	IF=12778	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94006	Cinereus Shrew	IF=12779	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94007	Cinereus Shrew	IF=12780	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94008	Cinereus Shrew	IF=12781	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94009	Cinereus Shrew	IF=12781	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94010	Cinereus Shrew	IF=12782	2003.40.	60.28166667	-149.7094444	Seward	KEFJ	Resurrection River	27-Jul-03
94016	Cinereus Shrew	IF=12205	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94017	Cinereus Shrew	IF=12206	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03

Table A1. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Kenai Fjords National Monument, Alaska, field season 2003. Species names: Northern Red-backed Vole (*Clethrionomys rutilus*), Tundra Vole (*Tundra Vole*), Cinereus Shrew (*Sorex cinereus*), Montane Shrew (*Montane Shrew*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94018	Cinereus Shrew	IF=12207	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94019	Cinereus Shrew	IF=12208	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94020	Cinereus Shrew	IF=12209	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94021	Cinereus Shrew	IF=12210	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94022	Cinereus Shrew	IF=12211	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94023	Cinereus Shrew	IF=12212	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94024	Cinereus Shrew	IF=12213	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94025	Cinereus Shrew	IF=12214	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94026	Cinereus Shrew	IF=12215	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94027	Cinereus Shrew	IF=12216	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94028	Cinereus Shrew	IF=12217	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94029	Cinereus Shrew	IF=12218	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94030	Cinereus Shrew	IF=12219	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94033	Cinereus Shrew	IF=12222	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94034	Cinereus Shrew	IF=12223	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94035	Cinereus Shrew	IF=12224	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94040	Cinereus Shrew	IF=12229	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94041	Cinereus Shrew	IF=12230	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94042	Cinereus Shrew	IF=12231	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94043	Cinereus Shrew	IF=12232	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94044	Cinereus Shrew	IF=12233	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94045	Cinereus Shrew	IF=12234	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94046	Cinereus Shrew	IF=12235	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94047	Cinereus Shrew	IF=12236	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94048	Cinereus Shrew	IF=12237	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94049	Cinereus Shrew	IF=12238	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94050	Cinereus Shrew	IF=12239	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94051	Cinereus Shrew	IF=12240	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94052	Cinereus Shrew	IF=12241	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94053	Cinereus Shrew	IF=12242	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94054	Cinereus Shrew	IF=12243	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94055	Cinereus Shrew	IF=12244	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94056	Cinereus Shrew	IF=12245	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94057	Cinereus Shrew	IF=12246	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	8-Jul-03
94060	Cinereus Shrew	IF=12249	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94061	Cinereus Shrew	IF=12250	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94062	Cinereus Shrew	IF=12251	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94063	Cinereus Shrew	IF=12252	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94064	Cinereus Shrew	IF=12253	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94065	Cinereus Shrew	IF=12254	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94066	Cinereus Shrew	IF=12255	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94067	Cinereus Shrew	IF=12256	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94068	Cinereus Shrew	IF=12257	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94069	Cinereus Shrew	IF=12258	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94085	Cinereus Shrew	IF=12274	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	9-Jul-03
94087	Cinereus Shrew	IF=12276	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94088	Cinereus Shrew	IF=12277	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94089	Cinereus Shrew	IF=12278	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94090	Cinereus Shrew	IF=12279	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94092	Cinereus Shrew	IF=12281	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	Beauty Bay	10-Jul-03
94093	Cinereus Shrew	IF=12282	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94094	Cinereus Shrew	IF=12283	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94095	Cinereus Shrew	IF=12284	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94098	Cinereus Shrew	IF=12287	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94099	Cinereus Shrew	IF=12288	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94104	Cinereus Shrew	IF=11293	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94105	Cinereus Shrew	IF=12294	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94106	Cinereus Shrew	IF=12295	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94107	Cinereus Shrew	IF=12296	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94108	Cinereus Shrew	IF=12297	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94109	Cinereus Shrew	IF=12298	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94110	Cinereus Shrew	IF=12299	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94111	Cinereus Shrew	IF=12300	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94112	Cinereus Shrew	IF=12301	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94113	Cinereus Shrew	IF=12302	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94114	Cinereus Shrew	IF=12303	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94115	Cinereus Shrew	IF=12304	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94119	Cinereus Shrew	IF=12308	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94120	Cinereus Shrew	IF=12309	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94121	Cinereus Shrew	IF=12310	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94122	Cinereus Shrew	IF=12311	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94123	Cinereus Shrew	IF=12312	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94124	Cinereus Shrew	IF=12313	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94125	Cinereus Shrew	IF=12314	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94126	Cinereus Shrew	IF=12315	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94127	Cinereus Shrew	IF=12316	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94128	Cinereus Shrew	IF=12317	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94129	Cinereus Shrew	IF=12318	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94130	Cinereus Shrew	IF=12319	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94131	Cinereus Shrew	IF=12320	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94132	Cinereus Shrew	IF=12321	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94133	Cinereus Shrew	IF=12322	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94134	Cinereus Shrew	IF=12323	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94135	Cinereus Shrew	IF=12324	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94136	Cinereus Shrew	IF=12325	2003.40.	59.5625	-150.5222222	Seldovia	KEFJ	"Nuka Bay, north arm"	11-Jul-03
94139	Cinereus Shrew	IF=12328	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94140	Cinereus Shrew	IF=12329	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94141	Cinereus Shrew	IF=12330	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94142	Cinereus Shrew	IF=12331	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94143	Cinereus Shrew	IF=12332	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94144	Cinereus Shrew	IF=12333	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94145	Cinereus Shrew	IF=12334	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94146	Cinereus Shrew	IF=12335	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94147	Cinereus Shrew	IF=12336	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94148	Cinereus Shrew	IF=12337	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94150	Cinereus Shrew	IF=12339	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94151	Cinereus Shrew	IF=12340	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94152	Cinereus Shrew	IF=12341	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94153	Cinereus Shrew	IF=12342	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94154	Cinereus Shrew	IF=12343	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94155	Cinereus Shrew	IF=12344	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94156	Cinereus Shrew	IF=12345	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94157	Cinereus Shrew	IF=12346	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94159	Cinereus Shrew	IF=12348	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94162	Cinereus Shrew	IF=12351	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94163	Cinereus Shrew	IF=12352	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94164	Cinereus Shrew	IF=12353	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94169	Cinereus Shrew	IF=12358	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east Bay, Delight Spit"	12-Jul-03
94172	Cinereus Shrew	IF=12361	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east Bay, Delight Spit"	12-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94173	Cinereus Shrew	IF=12362	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Bay	12-Jul-03
94174	Cinereus Shrew	IF=12363	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Bay	12-Jul-03
94175	Cinereus Shrew	IF=12364	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Bay	12-Jul-03
94181	Cinereus Shrew	IF=12370	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94182	Cinereus Shrew	IF=12371	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94183	Cinereus Shrew	IF=12372	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94184	Cinereus Shrew	IF=12373	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94185	Cinereus Shrew	IF=12374	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94186	Cinereus Shrew	IF=12375	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94187	Cinereus Shrew	IF=12376	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94188	Cinereus Shrew	IF=12377	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94189	Cinereus Shrew	IF=12378	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94190	Cinereus Shrew	IF=12379	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94191	Cinereus Shrew	IF=12380	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94192	Cinereus Shrew	IF=12381	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94193	Cinereus Shrew	IF=12382	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94194	Cinereus Shrew	IF=12383	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94195	Cinereus Shrew	IF=12384	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94196	Cinereus Shrew	IF=12385	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94197	Cinereus Shrew	IF=12386	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94201	Cinereus Shrew	IF=12390	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94202	Cinereus Shrew	IF=12391	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94203	Cinereus Shrew	IF=12392	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94206	Cinereus Shrew	IF=12395	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94207	Cinereus Shrew	IF=12396	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94208	Cinereus Shrew	IF=12397	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94209	Cinereus Shrew	IF=12398	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94210	Cinereus Shrew	IF=12399	2003.40.	59.545	-150.3266667	Seldovia	KEFJ	Delight Lake outflow	13-Jul-03
94217	Cinereus Shrew	IF=12406	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94218	Cinereus Shrew	IF=12407	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94219	Cinereus Shrew	IF=12408	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94221	Cinereus Shrew	IF=12410	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94222	Cinereus Shrew	IF=12411	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94223	Cinereus Shrew	IF=12412	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94224	Cinereus Shrew	IF=12413	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94225	Cinereus Shrew	IF=12414	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94231	Cinereus Shrew	IF=12421	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94232	Cinereus Shrew	IF=12422	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94233	Cinereus Shrew	IF=12423	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94234	Cinereus Shrew	IF=12424	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94235	Cinereus Shrew	IF=12425	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94236	Cinereus Shrew	IF=12426	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94242	Cinereus Shrew	IF=12432	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94243	Cinereus Shrew	IF=12433	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94244	Cinereus Shrew	IF=12434	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94245	Cinereus Shrew	IF=12435	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94246	Cinereus Shrew	IF=12436	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03

Table A1. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Kenai Fjords National Monument, Alaska, field season 2003. Species names: Northern Red-backed Vole (*Clethrionomys rutilus*), Tundra Vole (*Tundra Vole*), Cinereus Shrew (*Sorex cinereus*), Montane Shrew (*Montane Shrew*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94247	Cinereus Shrew	IF=12437	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94248	Cinereus Shrew	IF=12438	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94249	Cinereus Shrew	IF=12439	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94250	Cinereus Shrew	IF=12440	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94251	Cinereus Shrew	IF=12441	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94254	Cinereus Shrew	IF=12444	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94255	Cinereus Shrew	IF=12445	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94256	Cinereus Shrew	IF=12446	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94257	Cinereus Shrew	IF=12447	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94258	Cinereus Shrew	IF=12448	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94259	Cinereus Shrew	IF=12449	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94260	Cinereus Shrew	IF=12450	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94261	Cinereus Shrew	IF=12451	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94262	Cinereus Shrew	IF=12452	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94263	Cinereus Shrew	IF=12453	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94264	Cinereus Shrew	IF=12454	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94265	Cinereus Shrew	IF=12455	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94266	Cinereus Shrew	IF=12456	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94267	Cinereus Shrew	IF=12457	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94268	Cinereus Shrew	IF=12458	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94275	Cinereus Shrew	IF=12465	2003.40.	59.69444444	-150.1477778	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94280	Cinereus Shrew	IF=12470	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94281	Cinereus Shrew	IF=12471	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94282	Cinereus Shrew	IF=12472	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94283	Cinereus Shrew	IF=12473	2003.40.	59.67722222	-150.0969444	Seldovia	KEFJ	Paguna Arm	18-Jul-03
94287	Cinereus Shrew	IF=12477	2003.40.	59.71666667	-150.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94288	Cinereus Shrew	IF=12478	2003.40.	59.71666667	-150.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94294	Cinereus Shrew	IF=12484	2003.40.	59.69166667	-150.7833333	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94295	Cinereus Shrew	IF=12485	2003.40.	59.71666667	-149.775	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94300	Cinereus Shrew	IF=12490	2003.40.	59.77194444	-149.92	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94307	Cinereus Shrew	IF=12497	2003.40.	59.77361111	-149.9197222	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94308	Cinereus Shrew	IF=12498	2003.40.	59.77361111	-149.9197222	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93534	Montane Shrew	IF=12009	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93535	Montane Shrew	IF=12010	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93548	Montane Shrew	IF=12023	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93549	Montane Shrew	IF=12024	2003.40.	59.62638889	-150.6680556	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93565	Montane Shrew	IF=12040	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93566	Montane Shrew	IF=12041	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	9-Jul-03
93577	Montane Shrew	IF=12052	2003.40.	59.62694444	-150.6733333	Seldovia	KEFJ	"Nuka River, 5 km northwest Storm Mtn."	10-Jul-03
93609	Montane Shrew	IF=12084	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93621	Montane Shrew	IF=12096	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93622	Montane Shrew	IF=12097	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93640	Montane Shrew	IF=12115	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93642	Montane Shrew	IF=12117	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	14-Jul-03
93647	Montane Shrew	IF=12122	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	14-Jul-03
93651	Montane Shrew	IF=12126	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03

Table A1. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Kenai Fjords National Monument, Alaska, field season 2003. Species names: Northern Red-backed Vole (*Clethrionomys rutilus*), Tundra Vole (*Tundra Vole*), Cinereus Shrew (*Sorex cinereus*), Montane Shrew (*Montane Shrew*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93652	Montane Shrew	IF=12127	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93653	Montane Shrew	IF=12128	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93654	Montane Shrew	IF=12129	2003.40.	59.54527778	-150.3355556	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	15-Jul-03
93669	Montane Shrew	IF=12144	2003.40.	59.5475	-150.3291667	Seldovia	KEFJ	"Nuka Bay, east arm"	15-Jul-03
93700	Montane Shrew	IF=12175	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
93725	Montane Shrew	IF=12500	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93726	Montane Shrew	IF=12501	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93727	Montane Shrew	IF=12502	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93728	Montane Shrew	IF=12503	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93729	Montane Shrew	IF=12504	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93730	Montane Shrew	IF=12505	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93734	Montane Shrew	IF=12509	2003.40.	59.77361111	-149.9244444	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93741	Montane Shrew	IF=12516	2003.40.	59.77194444	-149.9227778	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
93948	Montane Shrew	IF=12722	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	26-Jul-03
93953	Montane Shrew	IF=12727	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93960	Montane Shrew	IF=12734	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93961	Montane Shrew	IF=12735	2003.40.	60.28611111	-149.7108333	Seward	KEFJ	Resurrection River	26-Jul-03
93983	Montane Shrew	IF=12757	2003.40.	60.28388889	-149.7138889	Seward	KEFJ	Resurrection River	27-Jul-03
93995	Montane Shrew	IF=12768	2003.40.	60.28388889	-149.7125	Seward	KEFJ	Resurrection River	27-Jul-03
94084	Montane Shrew	IF=12273	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94086	Montane Shrew	IF=12275	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94096	Montane Shrew	IF=12285	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94097	Montane Shrew	IF=12286	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94102	Montane Shrew	IF=12291	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94103	Montane Shrew	IF=12292	2003.40.	59.52	-150.6402778	Seldovia	KEFJ	"Beauty Bay, Shelter Cove"	10-Jul-03
94138	Montane Shrew	IF=12327	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94149	Montane Shrew	IF=12338	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	12-Jul-03
94158	Montane Shrew	IF=12347	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94160	Montane Shrew	IF=12349	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94161	Montane Shrew	IF=12350	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94166	Montane Shrew	IF=12355	2003.40.	59.54333333	-150.3119444	Seldovia	KEFJ	Delight Lake	12-Jul-03
94170	Montane Shrew	IF=12359	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east Bay, Delight Spit"	12-Jul-03
94171	Montane Shrew	IF=12360	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east Bay, Delight Spit"	12-Jul-03
94179	Montane Shrew	IF=12368	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94180	Montane Shrew	IF=12369	2003.40.	59.54527778	-150.3688889	Seldovia	KEFJ	"Nuka Bay, east arm, Delight Spit"	13-Jul-03
94252	Montane Shrew	IF=12442	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94253	Montane Shrew	IF=12443	2003.40.	59.69388889	-150.1338889	Seldovia	KEFJ	Paguna Arm	17-Jul-03
94292	Montane Shrew	IF=12482	2003.40.	59.69166667	-150.7833333	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94293	Montane Shrew	IF=12483	2003.40.	59.69166667	-150.7833333	Blying Sound	KEFJ	Crater Bay	19-Jul-03
94297	Montane Shrew	IF=12487	2003.40.	59.77194444	-149.9227778	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94298	Montane Shrew	IF=12488	2003.40.	59.77194444	-149.9227778	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94299	Montane Shrew	IF=12489	2003.40.	59.77194444	-149.9227778	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03

Table A1. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Kenai Fjords National Monument, Alaska, field season 2003. Species names: Northern Red-backed Vole (*Clethrionomys rutilus*), Tundra Vole (*Tundra Vole*), Cinereus Shrew (*Sorex cinereus*), Montane Shrew (*Montane Shrew*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94305	Montane Shrew	IF=12495	2003.40.	59.77361111	-149.9197222	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94306	Montane Shrew	IF=12496	2003.40.	59.77361111	-149.9197222	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03
94309	Montane Shrew	IF=12499	2003.40.	59.77	-149.9261111	Blying Sound	KEFJ	Northwestern Lagoon	20-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
91780	Northern Red-backed Vole	IF=9296	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tikakila River mouth	13-Jul-03
91785	Northern Red-backed Vole	IF=9104	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91792	Northern Red-backed Vole	IF=9051	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91819	Northern Red-backed Vole	IF=9006	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
91820	Northern Red-backed Vole	IF=9007	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
91821	Northern Red-backed Vole	IF=9008	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91822	Northern Red-backed Vole	IF=9009	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91823	Northern Red-backed Vole	IF=9010	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91824	Northern Red-backed Vole	IF=9011	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91825	Northern Red-backed Vole	IF=9012	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91826	Northern Red-backed Vole	IF=9013	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91827	Northern Red-backed Vole	IF=9014	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91828	Northern Red-backed Vole	IF=9015	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91829	Northern Red-backed Vole	IF=9016	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91830	Northern Red-backed Vole	IF=9017	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91837	Northern Red-backed Vole	IF=9148	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91838	Northern Red-backed Vole	IF=9149	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91839	Northern Red-backed Vole	IF=9150	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91848	Northern Red-backed Vole	IF=9159	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5	9-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								km west of Turner Bay"	
91849	Northern Red-backed Vole	IF=9160	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91850	Northern Red-backed Vole	IF=9161	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91851	Northern Red-backed Vole	IF=9162	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91852	Northern Red-backed Vole	IF=9163	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91853	Northern Red-backed Vole	IF=9164	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91859	Northern Red-backed Vole	IF=9178	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91861	Northern Red-backed Vole	IF=9180	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91894	Northern Red-backed Vole	IF=9165	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91908	Northern Red-backed Vole	IF=9199	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91909	Northern Red-backed Vole	IF=9200	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91910	Northern Red-backed Vole	IF=9201	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91911	Northern Red-backed Vole	IF=9202	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91912	Northern Red-backed Vole	IF=9203	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91913	Northern Red-backed Vole	IF=9204	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91914	Northern Red-backed Vole	IF=9205	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91915	Northern Red-backed Vole	IF=9206	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91916	Northern Red-backed Vole	IF=9207	2003.38	60.1761	-154.55825	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91917	Northern Red-backed Vole	IF=9208	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner	9-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Bay"	
91927	Northern Red-backed Vole	IF=9259	2003.38	60.39813333	-153.8505833	Lake Clark	LACL	2 km northwest of mouth of Tlikakila River	12-Jul-03
91929	Northern Red-backed Vole	IF=9261	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km west of Tlikakila River mouth	12-Jul-03
91930	Northern Red-backed Vole	IF=9262	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km west of Tlikakila River mouth	12-Jul-03
91931	Northern Red-backed Vole	IF=9263	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km west of Tlikakila River mouth	12-Jul-03
91933	Northern Red-backed Vole	IF=9265	2003.38	60.39813333	-153.8505833	Lake Clark	LACL	2 km northwest of mouth of Tlikakila River	12-Jul-03
91934	Northern Red-backed Vole	IF=9266	2003.38	60.39313333	-153.8379	Lake Clark	LACL	1 km southwest of Tlikakila River/Lake Clark confluence	12-Jul-03
91935	Northern Red-backed Vole	IF=9267	2003.38	60.39313333	-153.8379	Lake Clark	LACL	1 km southwest of Tlikakila River/Lake Clark confluence	12-Jul-03
91937	Northern Red-backed Vole	IF=9269	2003.38	60.39313333	-153.8379	Lake Clark	LACL	1 km southwest of Tlikakila River/Lake Clark confluence	12-Jul-03
91941	Northern Red-backed Vole	IF=9273	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of Tlikakila River	12-Jul-03
91946	Northern Red-backed Vole	IF=9278	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of Tlikakila River	13-Jul-03
91947	Northern Red-backed Vole	IF=9279	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of Tlikakila River	13-Jul-03
91948	Northern Red-backed Vole	IF=9280	2003.38	60.39813333	-153.8505833	Lake Clark	LACL	2 km northwest of mouth of Tlikakila River	13-Jul-03
91949	Northern Red-backed Vole	IF=9281	2003.38	60.39813333	-153.8379	Lake Clark	LACL	1 km southwest of Tlikakila River/Lake Clark confluence	13-Jul-03
91961	Northern Red-backed Vole	IF=9293	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91962	Northern Red-backed Vole	IF=9294	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91963	Northern Red-backed Vole	IF=9295	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91964	Northern Red-backed Vole	IF=9297	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91965	Northern Red-backed Vole	IF=9298	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91966	Northern Red-backed Vole	IF=9299	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
92003	Northern Red-backed Vole	IF=9058	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92004	Northern Red-backed Vole	IF=9059	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92005	Northern Red-backed Vole	IF=9060	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								km west of Turner Bay"	
92006	Northern Red-backed Vole	IF=9061	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92032	Northern Red-backed Vole	IF=9087	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92033	Northern Red-backed Vole	IF=9088	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92034	Northern Red-backed Vole	IF=9089	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92035	Northern Red-backed Vole	IF=9090	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92036	Northern Red-backed Vole	IF=9091	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92037	Northern Red-backed Vole	IF=9092	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92040	Northern Red-backed Vole	IF=9093	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92041	Northern Red-backed Vole	IF=9094	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92042	Northern Red-backed Vole	IF=9095	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92043	Northern Red-backed Vole	IF=9096	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92046	Northern Red-backed Vole	IF=9097	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92047	Northern Red-backed Vole	IF=9098	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92048	Northern Red-backed Vole	IF=9099	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92049	Northern Red-backed Vole	IF=9100	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92050	Northern Red-backed Vole	IF=9101	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92051	Northern Red-backed Vole	IF=9102	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92052	Northern Red-backed Vole	IF=9111	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92057	Northern Red-backed Vole	IF=9117	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
92074	Northern Red-backed Vole	IF=9103	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92075	Northern Red-	IF=9105	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and	8-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
	backed Vole							Turner Bay confluence	
92076	Northern Red-backed Vole	IF=9106	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92077	Northern Red-backed Vole	IF=9107	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92078	Northern Red-backed Vole	IF=9108	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92079	Northern Red-backed Vole	IF=9109	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92080	Northern Red-backed Vole	IF=9110	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92092	Northern Red-backed Vole	IF=9125	2003.38	60.179	-154.5793333	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92093	Northern Red-backed Vole	IF=9126	2003.38	60.179	-154.5793333	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92095	Northern Red-backed Vole	IF=9129	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	9-Jul-03
92096	Northern Red-backed Vole	IF=9130	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	9-Jul-03
92108	Northern Red-backed Vole	IF=9128	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	9-Jul-03
92125	Northern Red-backed Vole	IF=9225	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92126	Northern Red-backed Vole	IF=9226	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92127	Northern Red-backed Vole	IF=9227	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03
92132	Northern Red-backed Vole	IF=9232	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03
92133	Northern Red-backed Vole	IF=9233	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
92162	Northern Red-backed Vole	IF=9258	2003.38	60.39813333	-153.8505833	Lake Clark	LACL	2 km northwest of mouth of Tlikakila River	12-Jul-03
92342	Northern Red-backed Vole	IF=9115	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92508	Northern Red-backed Vole	IF=9304	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92509	Northern Red-backed Vole	IF=9305	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92517	Northern Red-backed Vole	IF=9313	2003.38	60.39398333	-153.83235	Lake Clark	LACL	1.2 mi west-northwest of mouth of Tlikakila River	13-Jul-03
92518	Northern Red-backed Vole	IF=9314	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92696	Northern Red-backed Vole	IF=9877	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
92699	Northern Red-backed Vole	IF=9361	2003.38	60.39705	-153.8383333	Lake Clark	LACL	1.5 km northeast of head of Lake Clark	14-Jul-03
92714	Northern Red-backed Vole	IF=9358	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km North of Tlikakila River	14-Jul-03
92716	Northern Red-backed Vole	IF=9380	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92717	Northern Red-backed Vole	IF=9382	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92718	Northern Red-backed Vole	IF=9384	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92719	Northern Red-backed Vole	IF=9385	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92720	Northern Red-backed Vole	IF=9386	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92732	Northern Red-backed Vole	IF=9379	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92734	Northern Red-backed Vole	IF=9398	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92737	Northern Red-backed Vole	IF=9419	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92743	Northern Red-backed Vole	IF=9425	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92744	Northern Red-backed Vole	IF=9415	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92746	Northern Red-backed Vole	IF=9428	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92751	Northern Red-backed Vole	IF=9433	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92754	Northern Red-backed Vole	IF=9399	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92755	Northern Red-backed Vole	IF=9400	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92756	Northern Red-backed Vole	IF=9401	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92766	Northern Red-backed Vole	IF=9410	2003.38	59.98972222	-152.6569167	Seldovia	LACL	3.75 km southwest of Johnson River Mouth	16-Jul-03
92769	Northern Red-backed Vole	IF=9413	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92772	Northern Red-backed Vole	IF=9831	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92773	Northern Red-backed Vole	IF=9774	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons	26-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryi*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								River	
92774	Northern Red-backed Vole	IF=9775	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92775	Northern Red-backed Vole	IF=9777	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92779	Northern Red-backed Vole	IF=9360	2003.38	60.39705	-153.8383333	Lake Clark	LACL	1.5 km northeast of head of Lake Clark	14-Jul-03
92780	Northern Red-backed Vole	IF=9830	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92782	Northern Red-backed Vole	IF=9832	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92784	Northern Red-backed Vole	IF=9317	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92789	Northern Red-backed Vole	IF=9764	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92790	Northern Red-backed Vole	IF=9824	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
92791	Northern Red-backed Vole	IF=9825	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92792	Northern Red-backed Vole	IF=9757	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92793	Northern Red-backed Vole	IF=9758	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92798	Northern Red-backed Vole	IF=9763	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92799	Northern Red-backed Vole	IF=9772	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92800	Northern Red-backed Vole	IF=9765	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92801	Northern Red-backed Vole	IF=9766	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92803	Northern Red-backed Vole	IF=9768	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92804	Northern Red-backed Vole	IF=9769	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92807	Northern Red-backed Vole	IF=9762	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92810	Northern Red-backed Vole	IF=9343	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1.6 km west of Tlikakila River mouth (head Lake Clark)	14-Jul-03
92815	Northern Red-backed Vole	IF=9348	2003.38	60.3951	-153.8386667	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92836	Northern Red-backed Vole	IF=9331	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	14-Jul-03
92837	Northern Red-backed Vole	IF=9322	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92842	Northern Red-	IF=9337	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 km west	14-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
	backed Vole							northwest of Tlikakila River mouth	
92843	Northern Red-backed Vole	IF=9338	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 km west northwest of Tlikakila River mouth	14-Jul-03
92845	Northern Red-backed Vole	IF=9330	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km west of Tlikakila River	13-Jul-03
92846	Northern Red-backed Vole	IF=9538	2003.38	59.9813	-152.6614167	Seldovia	LACL	"3.5 km southeast of Saddle mountain, south side of Silver Salmon Creek"	18-Jul-03
92850	Northern Red-backed Vole	IF=9533	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92853	Northern Red-backed Vole	IF=9510	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92854	Northern Red-backed Vole	IF=9537	2003.38	59.9813	-152.6614167	Seldovia	LACL	"3.5 km southeast of Saddle mountain, south side of Silver Salmon Creek"	18-Jul-03
92856	Northern Red-backed Vole	IF=9539	2003.38	59.9813	-152.6614167	Seldovia	LACL	"3.5 km southeast of Saddle mountain, south side of Silver Salmon Creek"	18-Jul-03
92859	Northern Red-backed Vole	IF=9542	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of mouth of Johnson River	18-Jul-03
92862	Northern Red-backed Vole	IF=9545	2003.38	59.98938333	-152.6615	Lake Clark	LACL	1 km behind Silver Salmon Creek Lodge	18-Jul-03
92864	Northern Red-backed Vole	IF=9520	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92866	Northern Red-backed Vole	IF=9512	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92873	Northern Red-backed Vole	IF=9519	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92874	Northern Red-backed Vole	IF=9519	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92882	Northern Red-backed Vole	IF=9548	2003.38	59.98938333	-152.6615	Lake Clark	LACL	1 km behind Silver Salmon Creek Lodge	18-Jul-03
92885	Northern Red-backed Vole	IF=9546	2003.38	59.98938333	-152.6615	Lake Clark	LACL	1 km behind Silver Salmon Creek Lodge	18-Jul-03
92886	Northern Red-backed Vole	IF=9546	2003.38	59.98938333	-152.6615	Lake Clark	LACL	1 km behind Silver Salmon Creek Lodge	18-Jul-03
92894	Northern Red-backed Vole	IF=9575	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92897	Northern Red-backed Vole	IF=9578	2003.38	59.9813	-152.6614167	Lake Clark	LACL	3.5 km southeast of Saddle mountain	19-Jul-03
92898	Northern Red-backed Vole	IF=9579	2003.38	59.9813	-152.6614167	Lake Clark	LACL	3.5 km southeast of Saddle mountain	19-Jul-03
92899	Northern Red-backed Vole	IF=9580	2003.38	59.9813	-152.6614167	Lake Clark	LACL	3.5 km southeast of Saddle mountain	19-Jul-03
92902	Northern Red-backed Vole	IF=9583	2003.38	59.97065	-152.6633	Lake Clark	LACL	southwest side of Silver Salmon Creek approx. 1 km southwest of Ranger Camp	19-Jul-03
92903	Northern Red-backed Vole	IF=9574	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92905	Northern Red-backed Vole	IF=9509	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92906	Northern Red-backed Vole	IF=9549	2003.38	59.98938333	-152.6615	Lake Clark	LACL	1 km behind Silver Salmon Creek Lodge	18-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
92914	Northern Red-backed Vole	IF=9547	2003.38	59.98938333	-152.6615	Lake Clark	LACL	1 km behind Silver Salmon Creek Lodge	18-Jul-03
92915	Northern Red-backed Vole	IF=9558	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92916	Northern Red-backed Vole	IF=9559	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92917	Northern Red-backed Vole	IF=9560	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92918	Northern Red-backed Vole	IF=9561	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92919	Northern Red-backed Vole	IF=9562	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92923	Northern Red-backed Vole	IF=9463	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92924	Northern Red-backed Vole	IF=9455	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
92925	Northern Red-backed Vole	IF=9456	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92927	Northern Red-backed Vole	IF=9458	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92930	Northern Red-backed Vole	IF=9511	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92933	Northern Red-backed Vole	IF=9464	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92934	Northern Red-backed Vole	IF=9465	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92935	Northern Red-backed Vole	IF=9466	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92939	Northern Red-backed Vole	IF=9461	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92940	Northern Red-backed Vole	IF=9445	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92945	Northern Red-backed Vole	IF=9440	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92949	Northern Red-backed Vole	IF=9444	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92958	Northern Red-backed Vole	IF=9443	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92966	Northern Red-backed Vole	IF=9491	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92975	Northern Red-backed Vole	IF=9508	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92979	Northern Red-backed Vole	IF=9435	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92981	Northern Red-backed Vole	IF=9475	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92982	Northern Red-backed Vole	IF=9476	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92983	Northern Red-backed Vole	IF=9477	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92985	Northern Red-backed Vole	IF=9479	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92986	Northern Red-backed Vole	IF=9492	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92991	Northern Red-backed Vole	IF=9486	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92992	Northern Red-backed Vole	IF=9487	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92993	Northern Red-backed Vole	IF=9488	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
92994	Northern Red-backed Vole	IF=9489	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
93005	Northern Red-backed Vole	IF=9791	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93024	Northern Red-backed Vole	IF=9792	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93026	Northern Red-backed Vole	IF=9786	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93027	Northern Red-backed Vole	IF=9787	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93028	Northern Red-backed Vole	IF=9788	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93029	Northern Red-backed Vole	IF=9789	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93030	Northern Red-backed Vole	IF=9790	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93033	Northern Red-backed Vole	IF=9856	2003.38	61.112	-153.85575	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	28-Jul-03
93035	Northern Red-backed Vole	IF=9848	2003.38	61.10708333	-153.8571167	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93038	Northern Red-backed Vole	IF=9851	2003.38	61.112	-153.8559	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
93040	Northern Red-backed Vole	IF=9853	2003.38	61.10372222	-153.86425	Lime Hills	LACL	1 km W-NW of Necons River mouth	28-Jul-03
93041	Northern Red-backed Vole	IF=9846	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
93042	Northern Red-backed Vole	IF=9855	2003.38	61.112	-153.85575	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	28-Jul-03
93043	Northern Red-backed Vole	IF=9845	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93047	Northern Red-backed Vole	IF=9860	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93048	Northern Red-backed Vole	IF=9861	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93049	Northern Red-backed Vole	IF=9862	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93050	Northern Red-backed Vole	IF=9756	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
93051	Northern Red-backed Vole	IF=9854	2003.38	61.10508333	-153.8588611	Lime Hills	LACL	1 km W-NW of Necons River mouth	28-Jul-03
93059	Northern Red-backed Vole	IF=9834	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
93060	Northern Red-backed Vole	IF=9847	2003.38	61.10708333	-153.8571167	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93066	Northern Red-backed Vole	IF=9841	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93067	Northern Red-backed Vole	IF=9842	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93068	Northern Red-	IF=9843	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of	27-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
	backed Vole							Necons River	
93069	Northern Red-backed Vole	IF=9844	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93077	Northern Red-backed Vole	IF=9654	2003.38	60.78633333	-153.8613167	Lake Clark	LACL	0.25 km E of ENE section of Turquoise Lake	22-Jul-03
93092	Northern Red-backed Vole	IF=9602	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	21-Jul-03
93093	Northern Red-backed Vole	IF=9603	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	21-Jul-03
93098	Northern Red-backed Vole	IF=9638	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	22-Jul-03
93108	Northern Red-backed Vole	IF=9781	2003.38	61.10323333	-153.8568667	Lime Hills	LACL	0.75 km W-NW mouth of Necons River	26-Jul-03
93132	Northern Red-backed Vole	IF=9671	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93143	Northern Red-backed Vole	IF=9692	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93144	Northern Red-backed Vole	IF=9693	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	23-Jul-03
93147	Northern Red-backed Vole	IF=9676	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93148	Northern Red-backed Vole	IF=9677	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93155	Northern Red-backed Vole	IF=9631	2003.38	60.78633333	-153.8613167	Lake Clark	LACL	0.25 km E of ENE section of Turquoise Lake	22-Jul-03
93156	Northern Red-backed Vole	IF=9685	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93157	Northern Red-backed Vole	IF=9818	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
93158	Northern Red-backed Vole	IF=9819	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
93160	Northern Red-backed Vole	IF=9821	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
93162	Northern Red-backed Vole	IF=9823	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93165	Northern Red-backed Vole	IF=9863	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93183	Northern Red-backed Vole	IF=9747	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93188	Northern Red-backed Vole	IF=9742	2003.38	61.10956667	-153.8550167	Lime Hills	LACL	3 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93189	Northern Red-backed Vole	IF=9743	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93190	Northern Red-backed Vole	IF=9744	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93196	Northern Red-backed Vole	IF=9750	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93197	Northern Red-backed Vole	IF=9751	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93200	Northern Red-backed Vole	IF=9383	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
93201	Northern Red-backed Vole	IF=9745	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93208	Northern Red-backed Vole	IF=9724	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93221	Northern Red-backed Vole	IF=9894	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93229	Northern Red-backed Vole	IF=9893	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93231	Northern Red-backed Vole	IF=9895	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93236	Northern Red-backed Vole	IF=9900	2003.38	61.15776667	-152.8513667	Tyonek	LACL	6.8 km SW of Chilligan Point	29-Jul-03
93237	Northern Red-backed Vole	IF=9902	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Lake Clark	25-Feb-03
93267	Northern Red-backed Vole	IF=9604	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	21-Jul-03
93270	Northern Red-backed Vole	IF=9607	2003.38	60.79477778	-153.8600556	Lake Clark	LACL	0.75 km N of NE corner of Turquoise Lake	21-Jul-03
93271	Northern Red-backed Vole	IF=9608	2003.38	60.79422222	-153.8604167	Lake Clark	LACL	0.6 km N of NE corner of Turquoise Lake	21-Jul-03
93272	Northern Red-backed Vole	IF=9609	2003.38	60.7906	-153.8652	Lake Clark	LACL	NE corner of Turquoise Lake	21-Jul-03
93273	Northern Red-backed Vole	IF=9610	2003.38	60.7906	-153.8652	Lake Clark	LACL	NE corner of Turquoise Lake	21-Jul-03
93274	Northern Red-backed Vole	IF=9611	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	21-Jul-03
93283	Northern Red-backed Vole	IF=9909	2003.38	61.15776667	-152.8513667	Tyonek	LACL	6.8 km SW of Chilligan Point	29-Jul-03
93296	Northern Red-backed Vole	IF=9596	2003.38	60.7906	-153.8652	Lake Clark	LACL	northeast corner of Turquoise Lake	21-Jul-03
93298	Northern Red-backed Vole	IF=9381	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
93301	Northern Red-backed Vole	IF=9597	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km northeast of east northeast corner of Turquoise Lake	21-Jul-03
93302	Northern Red-backed Vole	IF=9595	2003.38	60.7906	-153.8652	Lake Clark	LACL	northeast corner of Turquoise Lake	21-Jul-03
93304	Northern Red-backed Vole	IF=9593	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	18-Jul-03
93311	Northern Red-backed Vole	IF=9598	2003.38	60.7906	-153.8652	Lake Clark	LACL	northeast corner of Turquoise Lake	21-Jul-03
93126	Snowshoe Hare	IF=9779	2003.38	61.10508333	-153.8588611	Lime Hills	LACL	1 km NW mouth of Necons River	26-Jul-03
93210	Snowshoe Hare	IF=9738	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	25-Jul-03
93275	Snowshoe Hare	IF=9612	2003.38	60.78758333	-153.8636667	Lake Clark	LACL	NE corner of Turquoise Lake	22-Jul-03
93280	Snowshoe Hare	IF=9906	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Port Alsworth	10-Feb-03
93281	Snowshoe Hare	IF=9907	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Port Alsworth	25-Jan-03
93282	Lynx canadensis	IF=9908	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Lake Clark	17-Feb-03
93116	Singing Vole	IF=9695	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE	23-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								corner of Turquoise Lake	
93118	Singing Vole	IF=9694	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	23-Jul-03
93141	Singing Vole	IF=9690	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	23-Jul-03
93172	Singing Vole	IF=9633	2003.38	60.7906	-153.8652	Lake Clark	LACL	NE corner of Turquoise Lake	22-Jul-03
93193	Singing Vole	IF=9736	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93211	Singing Vole	IF=9727	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93257	Singing Vole	IF=9605	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	21-Jul-03
93258	Singing Vole	IF=9605	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	21-Jul-03
93305	Singing Vole	IF=9591	2003.38	60.78815	-153.8635167	Lake Clark	LACL	stream at extreme northeast corner of Turquoise Lake	21-Jul-03
91790	Tundra Vole	IF=9004	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
91807	Tundra Vole	IF=9045	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91808	Tundra Vole	IF=9046	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91809	Tundra Vole	IF=9047	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91810	Tundra Vole	IF=9048	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91811	Tundra Vole	IF=9049	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91812	Tundra Vole	IF=9050	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91840	Tundra Vole	IF=9151	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91895	Tundra Vole	IF=9166	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5	9-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								km west of Turner Bay"	
91999	Tundra Vole	IF=9056	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92054	Tundra Vole	IF=9113	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
92056	Tundra Vole	IF=9116	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50m west of Turner Bay"	8-Jul-03
92136	Tundra Vole	IF=9237	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03
92139	Tundra Vole	IF=9251	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	11-Jul-03
92140	Tundra Vole	IF=9252	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	11-Jul-03
92143	Tundra Vole	IF=9253	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	11-Jul-03
92144	Tundra Vole	IF=9254	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	11-Jul-03
92145	Tundra Vole	IF=9255	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	11-Jul-03
92160	Tundra Vole	IF=9256	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	11-Jul-03
92161	Tundra Vole	IF=9257	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	11-Jul-03
92997	Tundra Vole	IF=9794	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93022	Tundra Vole	IF=9793	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93037	Tundra Vole	IF=9850	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93079	Tundra Vole	IF=9656	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	stream flowing W into ENE section of Turquoise Lake	22-Jul-03
93088	Tundra Vole	IF=9655	2003.38	60.78633333	-153.8613167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	22-Jul-03
93109	Tundra Vole	IF=9665	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	23-Jul-03
93111	Tundra Vole	IF=9698	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	23-Jul-03
93142	Tundra Vole	IF=9691	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	23-Jul-03
93168	Tundra Vole	IF=9618	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	22-Jul-03
93169	Tundra Vole	IF=9619	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	22-Jul-03
93178	Tundra Vole	IF=9628	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93185	Tundra Vole	IF=9739	2003.38	61.10708333	-153.8571167	Lime Hills	LACL	1 km NW mouth of Necons River	26-Jul-03
93186	Tundra Vole	IF=9740	2003.38	61.10708333	-153.8571167	Lime Hills	LACL	1 km NW mouth of Necons River	26-Jul-03
93232	Tundra Vole	IF=9896	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93251	Tundra Vole	IF=9879	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93252	Tundra Vole	IF=9880	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93306	Tundra Vole	IF=9590	2003.38	60.78815	-153.8635167	Lake Clark	LACL	stream at extreme northeast corner of Turquoise Lake	21-Jul-03
91791	Meadow Vole	IF=9005	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
91795	Meadow Vole	IF=9054	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	8-Jul-03
91796	Meadow Vole	IF=9055	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
91841	Meadow Vole	IF=9152	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91842	Meadow Vole	IF=9153	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91896	Meadow Vole	IF=9167	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner	9-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Bay"	
91932	Meadow Vole	IF=9264	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km west of Tlikakila River mouth	12-Jul-03
91938	Meadow Vole	IF=9270	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	12-Jul-03
91942	Meadow Vole	IF=9274	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of Tlikakila River	12-Jul-03
91959	Meadow Vole	IF=9291	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91960	Meadow Vole	IF=9292	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
92002	Meadow Vole	IF=9057	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92090	Meadow Vole	IF=9123	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92091	Meadow Vole	IF=9124	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92134	Meadow Vole	IF=9234	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03
92135	Meadow Vole	IF=9236	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03
92138	Meadow Vole	IF=9250	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92153	Meadow Vole	IF=9246	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92510	Meadow Vole	IF=9306	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92511	Meadow Vole	IF=9307	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92700	Meadow Vole	IF=9363	2003.38	60.3951	-153.8386667	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92701	Meadow Vole	IF=9364	2003.38	60.3951	-153.8386667	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92785	Meadow Vole	IF=9318	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92786	Meadow Vole	IF=9319	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92787	Meadow Vole	IF=9320	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth	13-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								of Tlikakila River	
92806	Meadow Vole	IF=9323	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92809	Meadow Vole	IF=9321	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92812	Meadow Vole	IF=9345	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1.6 km west of Tlikakila River mouth (head Lake Clark)	14-Jul-03
92813	Meadow Vole	IF=9346	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1.6 km west of Tlikakila River mouth (head Lake Clark)	14-Jul-03
92814	Meadow Vole	IF=9347	2003.38	60.3951	-153.8386667	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92820	Meadow Vole	IF=9353	2003.38	60.39581667	-153.8442	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92826	Meadow Vole	IF=9349	2003.38	60.3951	-153.8386667	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92827	Meadow Vole	IF=9332	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	14-Jul-03
92829	Meadow Vole	IF=9324	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92830	Meadow Vole	IF=9325	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92831	Meadow Vole	IF=9326	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92832	Meadow Vole	IF=9327	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92838	Meadow Vole	IF=9333	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	14-Jul-03
92839	Meadow Vole	IF=9334	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	14-Jul-03
92948	Meadow Vole	IF=9454	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
92811	Microtus sp.	IF=9344	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1.6 km west of Tlikakila River mouth (head Lake Clark)	14-Jul-03
93255	Mustela erminea	IF=9904	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Port Alsworth	3-Jan-03
93279	Mustela erminea	IF=9905	2003.38	59.96666667	-152.65	Seldovia	LACL	Outlet of Silver Salmon Creek	15-Jan-03
93287	Mustela erminea	IF=9903	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Port Alsworth	15-Feb-03
91922	Little Brown Bat	IF=9213	2003.38	60.1782	-154.5679667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 150 m west of Turner Bay"	10-Jul-03
91923	Little Brown Bat	IF=9214	2003.38	60.1782	-154.5679667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 150 m west of Turner Bay"	10-Jul-03
92155	Little Brown Bat	IF=9249	2003.38	60.1782	-154.5679667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 150 m west of Turner Bay"	10-Jul-03
93095	Collared Pika	IF=9635	2003.38	60.79375	-153.86925	Lake Clark	LACL	0.7 km NW of NE corner of Turquoise Lake	22-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
93138	Collared Pika	IF=9687	2003.38	60.79422222	-153.8604167	Lake Clark	LACL	0.6 km N of NE corner of Turquoise Lake	23-Jul-03
93191	Collared Pika	IF=9737	2003.38	60.76666667	-153.85	Lake Clark	LACL	3.2 km SE of NE corner of Turquoise Lake	24-Jul-03
91786	Cinereus Shrew	IF=9000	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
91787	Cinereus Shrew	IF=9001	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
91788	Cinereus Shrew	IF=9002	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
91793	Cinereus Shrew	IF=9052	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	8-Jul-03
91794	Cinereus Shrew	IF=9053	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	8-Jul-03
91799	Cinereus Shrew	IF=9037	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91800	Cinereus Shrew	IF=9038	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91804	Cinereus Shrew	IF=9042	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91805	Cinereus Shrew	IF=9043	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91831	Cinereus Shrew	IF=9142	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91832	Cinereus Shrew	IF=9143	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91833	Cinereus Shrew	IF=9144	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91834	Cinereus Shrew	IF=9145	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91835	Cinereus Shrew	IF=9146	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91836	Cinereus Shrew	IF=9147	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of	9-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Chulitna River, 0.75 km west of Turner Bay"	
91843	Cinereus Shrew	IF=9154	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
91844	Cinereus Shrew	IF=9155	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91845	Cinereus Shrew	IF=9156	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91846	Cinereus Shrew	IF=9157	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91847	Cinereus Shrew	IF=9158	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	9-Jul-03
91854	Cinereus Shrew	IF=9173	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91855	Cinereus Shrew	IF=9174	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91856	Cinereus Shrew	IF=9175	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91857	Cinereus Shrew	IF=9176	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91858	Cinereus Shrew	IF=9177	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91860	Cinereus Shrew	IF=9179	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91862	Cinereus Shrew	IF=9181	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91863	Cinereus Shrew	IF=9182	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91864	Cinereus Shrew	IF=9183	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91865	Cinereus Shrew	IF=9184	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91872	Cinereus Shrew	IF=9022	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91873	Cinereus Shrew	IF=9023	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91875	Cinereus Shrew	IF=9025	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91876	Cinereus Shrew	IF=9026	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
91877	Cinereus Shrew	IF=9028	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91879	Cinereus Shrew	IF=9030	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91880	Cinereus Shrew	IF=9031	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91897	Cinereus Shrew	IF=9168	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91899	Cinereus Shrew	IF=9190	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91900	Cinereus Shrew	IF=9191	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91901	Cinereus Shrew	IF=9192	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91902	Cinereus Shrew	IF=9193	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91903	Cinereus Shrew	IF=9194	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91904	Cinereus Shrew	IF=9195	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91905	Cinereus Shrew	IF=9196	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91906	Cinereus Shrew	IF=9197	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91918	Cinereus Shrew	IF=9209	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91919	Cinereus Shrew	IF=9210	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91920	Cinereus Shrew	IF=9211	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91921	Cinereus Shrew	IF=9212	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91925	Cinereus Shrew	IF=9216	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
91926	Cinereus Shrew	IF=9217	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
91928	Cinereus Shrew	IF=9260	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km west of Tlikakila River mouth	12-Jul-03
91936	Cinereus Shrew	IF=9268	2003.38	60.39313333	-153.8379	Lake Clark	LACL	1 km southwest of Tlikakila River/Lake Clark confluence	12-Jul-03
91939	Cinereus Shrew	IF=9271	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of Tlikakila River	12-Jul-03
91940	Cinereus Shrew	IF=9272	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of	12-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Tlikakila River	
91944	Cinereus Shrew	IF=9276	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of Tlikakila River	13-Jul-03
91945	Cinereus Shrew	IF=9277	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of Tlikakila River	13-Jul-03
91950	Cinereus Shrew	IF=9282	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91951	Cinereus Shrew	IF=9283	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91952	Cinereus Shrew	IF=9284	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91953	Cinereus Shrew	IF=9285	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91954	Cinereus Shrew	IF=9286	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91955	Cinereus Shrew	IF=9287	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91956	Cinereus Shrew	IF=9288	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91957	Cinereus Shrew	IF=9289	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91958	Cinereus Shrew	IF=9290	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
91967	Cinereus Shrew	IF=9300	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92001	Cinereus Shrew	IF=9170	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
92007	Cinereus Shrew	IF=9062	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92008	Cinereus Shrew	IF=9063	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92009	Cinereus Shrew	IF=9064	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92010	Cinereus Shrew	IF=9065	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92011	Cinereus Shrew	IF=9066	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92012	Cinereus Shrew	IF=9067	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03
92013	Cinereus Shrew	IF=9068	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	8-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryi*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								km west of Turner Bay"	
92014	Cinereus Shrew	IF=9069	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92015	Cinereus Shrew	IF=9070	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92016	Cinereus Shrew	IF=9071	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92017	Cinereus Shrew	IF=9072	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92018	Cinereus Shrew	IF=9073	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92019	Cinereus Shrew	IF=9074	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92021	Cinereus Shrew	IF=9076	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92022	Cinereus Shrew	IF=9077	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92023	Cinereus Shrew	IF=9078	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92024	Cinereus Shrew	IF=9079	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92025	Cinereus Shrew	IF=9080	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92026	Cinereus Shrew	IF=9081	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92027	Cinereus Shrew	IF=9082	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92028	Cinereus Shrew	IF=9083	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92029	Cinereus Shrew	IF=9084	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92030	Cinereus Shrew	IF=9085	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92031	Cinereus Shrew	IF=9086	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92038	Cinereus Shrew	IF=9035	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92039	Cinereus Shrew	IF=9036	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92044	Cinereus Shrew	IF=9171	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
92045	Cinereus Shrew	IF=9172	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
92053	Cinereus Shrew	IF=9112	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92060	Cinereus Shrew	IF=9018	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92061	Cinereus Shrew	IF=9019	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92081	Cinereus Shrew	IF=9185	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
92082	Cinereus Shrew	IF=9186	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
92083	Cinereus Shrew	IF=9187	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
92084	Cinereus Shrew	IF=9188	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
92085	Cinereus Shrew	IF=9118	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west of Chulitna River/Turner Bay	9-Jul-03
92086	Cinereus Shrew	IF=9119	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92087	Cinereus Shrew	IF=9120	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92088	Cinereus Shrew	IF=9121	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92089	Cinereus Shrew	IF=9122	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	9-Jul-03
92094	Cinereus Shrew	IF=9127	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	9-Jul-03
92097	Cinereus Shrew	IF=9131	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92098	Cinereus Shrew	IF=9132	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92099	Cinereus Shrew	IF=9133	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 0.75 m west of Turner Bay"	9-Jul-03
92100	Cinereus Shrew	IF=9134	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of	9-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Chulitna River, 0.75 km west of Turner Bay"	
92101	Cinereus Shrew	IF=9135	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92102	Cinereus Shrew	IF=9136	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92103	Cinereus Shrew	IF=9137	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92104	Cinereus Shrew	IF=9138	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92105	Cinereus Shrew	IF=9139	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92106	Cinereus Shrew	IF=9140	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92107	Cinereus Shrew	IF=9141	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	9-Jul-03
92118	Cinereus Shrew	IF=9218	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92119	Cinereus Shrew	IF=9219	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92120	Cinereus Shrew	IF=9220	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92121	Cinereus Shrew	IF=9221	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92122	Cinereus Shrew	IF=9222	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92123	Cinereus Shrew	IF=9223	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92124	Cinereus Shrew	IF=9224	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
92128	Cinereus Shrew	IF=9228	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03
92129	Cinereus Shrew	IF=9229	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of	10-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Chulitna River/Turner Bay, 50 m west of Turner Bay"	
92130	Cinereus Shrew	IF=9230	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03
92131	Cinereus Shrew	IF=9231	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	10-Jul-03
92137	Cinereus Shrew	IF=9238	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92141	Cinereus Shrew	IF=9020	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92142	Cinereus Shrew	IF=9021	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92146	Cinereus Shrew	IF=9239	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92148	Cinereus Shrew	IF=9241	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92149	Cinereus Shrew	IF=9242	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92150	Cinereus Shrew	IF=9243	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92151	Cinereus Shrew	IF=9244	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92152	Cinereus Shrew	IF=9245	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92343	Cinereus Shrew	IF=9301	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92506	Cinereus Shrew	IF=9302	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92507	Cinereus Shrew	IF=9303	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake	13-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Clark confluence	
92512	Cinereus Shrew	IF=9308	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92513	Cinereus Shrew	IF=9309	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92515	Cinereus Shrew	IF=9311	2003.38	60.39911667	-153.8547	Lake Clark	LACL	2 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92516	Cinereus Shrew	IF=9312	2003.38	60.39558333	-153.8427222	Lake Clark	LACL	1.5 km west of Tlikakila River mouth	13-Jul-03
92519	Cinereus Shrew	IF=9315	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92520	Cinereus Shrew	IF=9315	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92695	Cinereus Shrew	IF=9316	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 mile west of mouth of Tlikakila River	13-Jul-03
92698	Cinereus Shrew	IF=9370	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92702	Cinereus Shrew	IF=9365	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92703	Cinereus Shrew	IF=9365	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92705	Cinereus Shrew	IF=9367	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92706	Cinereus Shrew	IF=9369	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92709	Cinereus Shrew	IF=9373	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92710	Cinereus Shrew	IF=9374	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92712	Cinereus Shrew	IF=9376	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92713	Cinereus Shrew	IF=9368	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92723	Cinereus Shrew	IF=9388	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92724	Cinereus Shrew	IF=9377	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92727	Cinereus Shrew	IF=9392	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92733	Cinereus Shrew	IF=9378	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92735	Cinereus Shrew	IF=9426	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92736	Cinereus Shrew	IF=9418	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92738	Cinereus Shrew	IF=9420	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92740	Cinereus Shrew	IF=9422	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92741	Cinereus Shrew	IF=9423	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92742	Cinereus Shrew	IF=9396	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92745	Cinereus Shrew	IF=9427	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92747	Cinereus Shrew	IF=9429	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of	17-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Johnson River mouth	
92748	Cinereus Shrew	IF=9430	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92750	Cinereus Shrew	IF=9432	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92752	Cinereus Shrew	IF=9424	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92753	Cinereus Shrew	IF=9408	2003.38	60.00943333	-152.6137833	Kenai	LACL	3.25 km east of August Hill	16-Jul-03
92758	Cinereus Shrew	IF=9403	2003.38	60.01548333	-152.6164667	Kenai	LACL	4 km southwest of Iiamna Pt.	16-Jul-03
92759	Cinereus Shrew	IF=9404	2003.38	60.01548333	-152.6164667	Kenai	LACL	4 km southwest of Iiamna Pt.	16-Jul-03
92760	Cinereus Shrew	IF=9405	2003.38	60.01548333	-152.6164667	Kenai	LACL	4 km southwest of Iiamna Pt.	16-Jul-03
92761	Cinereus Shrew	IF=9417	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92762	Cinereus Shrew	IF=9417	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92763	Cinereus Shrew	IF=9407	2003.38	60.00943333	-152.6137833	Kenai	LACL	3.25 km east of August Hill	16-Jul-03
92764	Cinereus Shrew	IF=9416	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92765	Cinereus Shrew	IF=9409	2003.38	60.00943333	-152.6137833	Kenai	LACL	3.25 km east of August Hill	16-Jul-03
92767	Cinereus Shrew	IF=9411	2003.38	60.01548333	-152.6164667	Kenai	LACL	4 km southwest of Iiamna Pt.	16-Jul-03
92768	Cinereus Shrew	IF=9412	2003.38	60.00943333	-152.6137833	Kenai	LACL	3.25 km east of August Hill	16-Jul-03
92771	Cinereus Shrew	IF=9406	2003.38	60.00943333	-152.6137833	Kenai	LACL	3.25 km east of August Hill	16-Jul-03
92776	Cinereus Shrew	IF=9826	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92777	Cinereus Shrew	IF=9827	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92778	Cinereus Shrew	IF=9828	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92783	Cinereus Shrew	IF=9833	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92788	Cinereus Shrew	IF=9829	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
92794	Cinereus Shrew	IF=9759	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92795	Cinereus Shrew	IF=9760	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92796	Cinereus Shrew	IF=9761	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92797	Cinereus Shrew	IF=9773	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92805	Cinereus Shrew	IF=9770	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92808	Cinereus Shrew	IF=9351	2003.38	60.3951	-153.8386667	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92817	Cinereus Shrew	IF=9350	2003.38	60.3951	-153.8386667	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
92818	Cinereus Shrew	IF=9340	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1.6 km west of Tlikakila River mouth (head Lake Clark)	14-Jul-03
92819	Cinereus Shrew	IF=9352	2003.38	60.3951	-153.8386667	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92821	Cinereus Shrew	IF=9354	2003.38	60.39581667	-153.8442	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92822	Cinereus Shrew	IF=9355	2003.38	60.39581667	-153.8442	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92823	Cinereus Shrew	IF=9356	2003.38	60.39581667	-153.8442	Lake Clark	LACL	1.25 km west of Tlikakila River	14-Jul-03
92825	Cinereus Shrew	IF=9436	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92828	Cinereus Shrew	IF=9359	2003.38	60.39705	-153.8383333	Lake Clark	LACL	1.5 km northeast of head of Lake Clark	14-Jul-03
92834	Cinereus Shrew	IF=9329	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 km west northwest mouth of Tlikakila River	13-Jul-03
92835	Cinereus Shrew	IF=9342	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1.6 km west of Tlikakila River mouth (head Lake Clark)	14-Jul-03
92840	Cinereus Shrew	IF=9335	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 km west northwest of Tlikakila River mouth	14-Jul-03
92841	Cinereus Shrew	IF=9336	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 km west northwest of Tlikakila River mouth	14-Jul-03
92844	Cinereus Shrew	IF=9339	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1 m west of Tlikakila River mouth	14-Jul-03
92847	Cinereus Shrew	IF=9530	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92848	Cinereus Shrew	IF=9531	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92849	Cinereus Shrew	IF=9532	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92851	Cinereus Shrew	IF=9534	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92852	Cinereus Shrew	IF=9535	2003.38	59.99221667	-152.6738167	Seldovia	LACL	"1.5 km behind Silver Salmon Lodge, backwaters of Silver Salmon Creek"	18-Jul-03
92855	Cinereus Shrew	IF=9527	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92860	Cinereus Shrew	IF=9543	2003.38	59.98938333	-152.6615	Lake Clark	LACL	1 km behind Silver Salmon Creek Lodge	18-Jul-03
92861	Cinereus Shrew	IF=9544	2003.38	59.98938333	-152.6615	Lake Clark	LACL	1 km behind Silver Salmon Creek Lodge	18-Jul-03
92863	Cinereus Shrew	IF=9536	2003.38	59.9813	-152.6614167	Seldovia	LACL	"3.5 km southeast of Saddle mountain, south side of Silver Salmon Creek"	18-Jul-03
92865	Cinereus Shrew	IF=9434	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92867	Cinereus Shrew	IF=9513	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92868	Cinereus Shrew	IF=9514	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92869	Cinereus Shrew	IF=9515	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92870	Cinereus Shrew	IF=9516	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of	18-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Johnson River mouth	
92871	Cinereus Shrew	IF=9517	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92872	Cinereus Shrew	IF=9529	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92877	Cinereus Shrew	IF=9522	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92878	Cinereus Shrew	IF=9523	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92880	Cinereus Shrew	IF=9525	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92881	Cinereus Shrew	IF=9526	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92883	Cinereus Shrew	IF=9518	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92888	Cinereus Shrew	IF=9569	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92890	Cinereus Shrew	IF=9571	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92891	Cinereus Shrew	IF=9572	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92892	Cinereus Shrew	IF=9573	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92893	Cinereus Shrew	IF=9566	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92895	Cinereus Shrew	IF=9565	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92896	Cinereus Shrew	IF=9577	2003.38	59.9813	-152.6614167	Lake Clark	LACL	3.5 km southeast of Saddle mountain	19-Jul-03
92900	Cinereus Shrew	IF=9581	2003.38	59.97065	-152.6633	Lake Clark	LACL	southwest side of Silver Salmon Creek approx. 1 km southwest of Ranger Camp	19-Jul-03
92901	Cinereus Shrew	IF=9582	2003.38	59.97065	-152.6633	Lake Clark	LACL	southwest side of Silver Salmon Creek approx. 1 km southwest of Ranger Camp	19-Jul-03
92908	Cinereus Shrew	IF=9551	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92909	Cinereus Shrew	IF=9552	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92911	Cinereus Shrew	IF=9554	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92912	Cinereus Shrew	IF=9567	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92921	Cinereus Shrew	IF=9564	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92922	Cinereus Shrew	IF=9555	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92928	Cinereus Shrew	IF=9459	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
92929	Cinereus Shrew	IF=9460	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92931	Cinereus Shrew	IF=9462	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92932	Cinereus Shrew	IF=9452	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
92936	Cinereus Shrew	IF=9467	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92937	Cinereus Shrew	IF=9468	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92938	Cinereus Shrew	IF=9469	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92941	Cinereus Shrew	IF=9754	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	26-Jul-03
92942	Cinereus Shrew	IF=9437	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92943	Cinereus Shrew	IF=9438	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92947	Cinereus Shrew	IF=9442	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92950	Cinereus Shrew	IF=9453	2003.38	59.99221667	-152.6738167	Seldovia	LACL	1.5 km inland from Silver Salmon Cr. Lodge	17-Jul-03
92952	Cinereus Shrew	IF=9447	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
92953	Cinereus Shrew	IF=9448	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
92954	Cinereus Shrew	IF=9449	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
92955	Cinereus Shrew	IF=9450	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
92956	Cinereus Shrew	IF=9451	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
92957	Cinereus Shrew	IF=9473	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92959	Cinereus Shrew	IF=9501	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92961	Cinereus Shrew	IF=9494	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92962	Cinereus Shrew	IF=9495	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92964	Cinereus Shrew	IF=9497	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92967	Cinereus Shrew	IF=9500	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92968	Cinereus Shrew	IF=9490	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92969	Cinereus Shrew	IF=9502	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92971	Cinereus Shrew	IF=9504	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92972	Cinereus Shrew	IF=9505	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92976	Cinereus Shrew	IF=9499	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92984	Cinereus Shrew	IF=9478	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92987	Cinereus Shrew	IF=9481	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92988	Cinereus Shrew	IF=9483	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92989	Cinereus Shrew	IF=9484	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92990	Cinereus Shrew	IF=9485	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of	17-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Saddle mountain	
92995	Cinereus Shrew	IF=9480	2003.38	59.98153333	-152.6683333	Lake Clark	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92996	Cinereus Shrew	IF=9802	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
92998	Cinereus Shrew	IF=9795	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
92999	Cinereus Shrew	IF=9796	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93000	Cinereus Shrew	IF=9797	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93001	Cinereus Shrew	IF=9798	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93002	Cinereus Shrew	IF=9799	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93003	Cinereus Shrew	IF=9706	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93004	Cinereus Shrew	IF=9801	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93006	Cinereus Shrew	IF=9803	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93007	Cinereus Shrew	IF=9804	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93008	Cinereus Shrew	IF=9805	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93009	Cinereus Shrew	IF=9806	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93010	Cinereus Shrew	IF=9807	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93011	Cinereus Shrew	IF=9808	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93012	Cinereus Shrew	IF=9809	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93013	Cinereus Shrew	IF=9800	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93015	Cinereus Shrew	IF=9864	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93018	Cinereus Shrew	IF=9710	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93020	Cinereus Shrew	IF=9712	2003.38	60.78633333	-153.8613167	Lake Clark	LACL	0.25 km NE of ENE section of Turquoise Lake	24-Jul-03
93021	Cinereus Shrew	IF=9713	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93031	Cinereus Shrew	IF=9812	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet	27-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								into Two Lakes	
93034	Cinereus Shrew	IF=9810	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93036	Cinereus Shrew	IF=9849	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
93039	Cinereus Shrew	IF=9852	2003.38	61.10323333	-153.8568667	Lime Hills	LACL	0.75 km W-NW mouth of Necons River	28-Jul-03
93044	Cinereus Shrew	IF=9857	2003.38	61.10708333	-153.8571167	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93045	Cinereus Shrew	IF=9858	2003.38	61.10708333	-153.8571167	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93046	Cinereus Shrew	IF=9859	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93052	Cinereus Shrew	IF=9837	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93053	Cinereus Shrew	IF=9705	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93054	Cinereus Shrew	IF=9813	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93055	Cinereus Shrew	IF=9814	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93056	Cinereus Shrew	IF=9815	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93057	Cinereus Shrew	IF=9816	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93058	Cinereus Shrew	IF=9817	2003.38	61.10708333	-153.8571167	Lime Hills	LACL	1 km NW mouth of Necons River	26-Jul-03
93062	Cinereus Shrew	IF=9811	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	27-Jul-03
93063	Cinereus Shrew	IF=9838	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93064	Cinereus Shrew	IF=9839	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93065	Cinereus Shrew	IF=9840	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	27-Jul-03
93070	Cinereus Shrew	IF=9835	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	27-Jul-03
93072	Cinereus Shrew	IF=9649	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km NE of ENE corner of Turquoise Lake	23-Jul-03
93076	Cinereus Shrew	IF=9653	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km NE of ENE corner of Turquoise Lake	23-Jul-03
93078	Cinereus Shrew	IF=9707	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93081	Cinereus Shrew	IF=9658	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	23-Jul-03
93082	Cinereus Shrew	IF=9659	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE	23-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryi*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								section of Turquoise Lake	
93083	Cinereus Shrew	IF=9660	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	23-Jul-03
93084	Cinereus Shrew	IF=9661	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	23-Jul-03
93086	Cinereus Shrew	IF=9663	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	23-Jul-03
93087	Cinereus Shrew	IF=9664	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	23-Jul-03
93106	Cinereus Shrew	IF=9667	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93112	Cinereus Shrew	IF=9699	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93114	Cinereus Shrew	IF=9701	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93117	Cinereus Shrew	IF=9780	2003.38	61.10323333	-153.8568667	Lime Hills	LACL	0.75 km W-NW mouth of Necons River	26-Jul-03
93119	Cinereus Shrew	IF=9782	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93120	Cinereus Shrew	IF=9783	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93121	Cinereus Shrew	IF=9784	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93122	Cinereus Shrew	IF=9785	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	27-Jul-03
93123	Cinereus Shrew	IF=9702	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93124	Cinereus Shrew	IF=9703	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93125	Cinereus Shrew	IF=9704	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93127	Cinereus Shrew	IF=9686	2003.38	60.79422222	-153.8604167	Lake Clark	LACL	0.6 km N of NE corner of Turquoise Lake	23-Jul-03
93128	Cinereus Shrew	IF=9865	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93133	Cinereus Shrew	IF=9672	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93152	Cinereus Shrew	IF=9681	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise	23-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Lake	
93153	Cinereus Shrew	IF=9614	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	22-Jul-03
93159	Cinereus Shrew	IF=9820	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
93161	Cinereus Shrew	IF=9822	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93166	Cinereus Shrew	IF=9616	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	22-Jul-03
93167	Cinereus Shrew	IF=9617	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	22-Jul-03
93179	Cinereus Shrew	IF=9629	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km NE of ENE corner of Turquoise Lake	22-Jul-03
93187	Cinereus Shrew	IF=9741	2003.38	61.10708333	-153.8571167	Lime Hills	LACL	1 km NW mouth of Necons River	26-Jul-03
93192	Cinereus Shrew	IF=9746	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93194	Cinereus Shrew	IF=9748	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93195	Cinereus Shrew	IF=9749	2003.38	61.112	-153.8559	Lime Hills	LACL	4 km N-NW of Necons River inlet into Two Lakes	26-Jul-03
93198	Cinereus Shrew	IF=9752	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	26-Jul-03
93199	Cinereus Shrew	IF=9753	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	26-Jul-03
93203	Cinereus Shrew	IF=9613	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	22-Jul-03
93214	Cinereus Shrew	IF=9730	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93218	Cinereus Shrew	IF=9734	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93220	Cinereus Shrew	IF=9726	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93222	Cinereus Shrew	IF=9886	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93224	Cinereus Shrew	IF=9888	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93225	Cinereus Shrew	IF=9889	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93226	Cinereus Shrew	IF=9890	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93227	Cinereus Shrew	IF=9891	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93228	Cinereus Shrew	IF=9615	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise	22-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Lake	
93230	Cinereus Shrew	IF=9883	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93233	Cinereus Shrew	IF=9897	2003.38	61.159	-152.8498	Tyonek	LACL	6.8 km SW of Chilligan Point	29-Jul-03
93235	Cinereus Shrew	IF=9899	2003.38	61.15776667	-152.8513667	Tyonek	LACL	6.8 km SW of Chilligan Point	29-Jul-03
93238	Cinereus Shrew	IF=9892	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93239	Cinereus Shrew	IF=9875	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93240	Cinereus Shrew	IF=9866	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93241	Cinereus Shrew	IF=9867	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93242	Cinereus Shrew	IF=9868	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93243	Cinereus Shrew	IF=9869	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93245	Cinereus Shrew	IF=9871	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93246	Cinereus Shrew	IF=9872	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93247	Cinereus Shrew	IF=9885	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93248	Cinereus Shrew	IF=9874	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93249	Cinereus Shrew	IF=9884	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93250	Cinereus Shrew	IF=9876	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93253	Cinereus Shrew	IF=9881	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93254	Cinereus Shrew	IF=9882	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93256	Cinereus Shrew	IF=9873	2003.38	61.10603333	-153.8525333	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93259	Cinereus Shrew	IF=9901	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Port Alsworth	9-Nov-03
93278	Cinereus Shrew	IF=9755	2003.38	61.10788333	-153.8529667	Lime Hills	LACL	2.5 km N-NE from Necons River inlet into Two Lakes	26-Jul-03
93308	Cinereus Shrew	IF=9588	2003.38	60.78815	-153.8635167	Lake Clark	LACL	stream at extreme northeast corner of Turquoise Lake	21-Jul-03
93309	Cinereus Shrew	IF=9592	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
91789	Montane Shrew	IF=9003	2003.38	60.1761	-154.5749167	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.5 km west of Turner Bay"	8-Jul-03
91803	Montane Shrew	IF=9041	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner	8-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Bay"	
91806	Montane Shrew	IF=9044	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
91878	Montane Shrew	IF=9029	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91881	Montane Shrew	IF=9032	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91882	Montane Shrew	IF=9033	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91883	Montane Shrew	IF=9034	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91907	Montane Shrew	IF=9198	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
91924	Montane Shrew	IF=9215	2003.38	60.17565	-154.57985	Lake Clark	LACL	"0.5 km south of Chulitna River, 0.75 km west of Turner Bay"	10-Jul-03
91943	Montane Shrew	IF=9275	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km north of Tikakila River	13-Jul-03
92000	Montane Shrew	IF=9169	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
92020	Montane Shrew	IF=9075	2003.38	60.18025	-154.5656167	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92055	Montane Shrew	IF=9114	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	9-Jul-03
92147	Montane Shrew	IF=9240	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
92704	Montane Shrew	IF=9366	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92707	Montane Shrew	IF=9371	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92708	Montane Shrew	IF=9372	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92711	Montane Shrew	IF=9375	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92715	Montane Shrew	IF=9689	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92722	Montane Shrew	IF=9397	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92725	Montane Shrew	IF=9390	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92728	Montane Shrew	IF=9393	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92739	Montane Shrew	IF=9421	2003.38	59.97271667	-152.6615	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92749	Montane Shrew	IF=9431	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92781	Montane Shrew	IF=9771	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons	26-Jul-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								River	
92802	Montane Shrew	IF=9767	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	26-Jul-03
92816	Montane Shrew	IF=9341	2003.38	60.39648333	-153.8301333	Lake Clark	LACL	1.6 km west of Tlikakila River mouth (head Lake Clark)	14-Jul-03
92824	Montane Shrew	IF=9357	2003.38	60.3971	-153.8472	Lake Clark	LACL	1.75 km North of Tlikakila River	14-Jul-03
92875	Montane Shrew	IF=9528	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92887	Montane Shrew	IF=9568	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92889	Montane Shrew	IF=9570	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92904	Montane Shrew	IF=9557	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92907	Montane Shrew	IF=9550	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92913	Montane Shrew	IF=9556	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92926	Montane Shrew	IF=9457	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92944	Montane Shrew	IF=9439	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92946	Montane Shrew	IF=9441	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	17-Jul-03
92960	Montane Shrew	IF=9493	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92965	Montane Shrew	IF=9498	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92970	Montane Shrew	IF=9503	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92973	Montane Shrew	IF=9506	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92974	Montane Shrew	IF=9507	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	18-Jul-03
92977	Montane Shrew	IF=9482	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92978	Montane Shrew	IF=9482	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
92980	Montane Shrew	IF=9474	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	17-Jul-03
93014	Montane Shrew	IF=9716	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93016	Montane Shrew	IF=9708	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93017	Montane Shrew	IF=9709	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93019	Montane Shrew	IF=9711	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93025	Montane Shrew	IF=9716	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93032	Montane Shrew	IF=9714	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93061	Montane Shrew	IF=9836	2003.38	61.10603333	-153.85325	Lime Hills	LACL	0.75 km N-NW	27-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								mouth of Necons River	
93071	Montane Shrew	IF=9657	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km NE of ENE corner of Turquoise Lake	23-Jul-03
93073	Montane Shrew	IF=9650	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km NE of ENE corner of Turquoise Lake	23-Jul-03
93074	Montane Shrew	IF=9651	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km NE of ENE corner of Turquoise Lake	23-Jul-03
93075	Montane Shrew	IF=9652	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km NE of ENE corner of Turquoise Lake	23-Jul-03
93080	Montane Shrew	IF=9646	2003.38	60.78558333	-153.8561667	Lake Clark	LACL	1.25 km NE of ENE section of Turquoise Lake	23-Jul-03
93085	Montane Shrew	IF=9662	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	23-Jul-03
93089	Montane Shrew	IF=9639	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	22-Jul-03
93096	Montane Shrew	IF=9636	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	22-Jul-03
93099	Montane Shrew	IF=9647	2003.38	60.78558333	-153.8561667	Lake Clark	LACL	1.25 km NE of ENE section of Turquoise Lake	23-Jul-03
93100	Montane Shrew	IF=9640	2003.38	60.77931667	-153.8494833	Lake Clark	LACL	1.35 km SE of NE corner of Turquoise Lake	22-Jul-03
93101	Montane Shrew	IF=9641	2003.38	60.77931667	-153.8494833	Lake Clark	LACL	1.35 km SE of NE corner of Turquoise Lake	22-Jul-03
93104	Montane Shrew	IF=9644	2003.38	60.78633333	-153.8613167	Lake Clark	LACL	0.25 km E of ENE section of Turquoise Lake	23-Jul-03
93105	Montane Shrew	IF=9645	2003.38	60.78633333	-153.8613167	Lake Clark	LACL	0.25 km E of ENE section of Turquoise Lake	23-Jul-03
93107	Montane Shrew	IF=9637	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	22-Jul-03
93110	Montane Shrew	IF=9697	2003.38	60.77931667	-153.8494833	Lake Clark	LACL	1.35 km SE of NE corner of Turquoise Lake	23-Jul-03
93113	Montane Shrew	IF=9700	2003.38	60.78723333	-153.8648333	Lake Clark	LACL	feeder stream flowing W into ENE section of Turquoise Lake	24-Jul-03
93129	Montane Shrew	IF=9668	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93130	Montane Shrew	IF=9669	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93131	Montane Shrew	IF=9670	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93134	Montane Shrew	IF=9673	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93136	Montane Shrew	IF=9675	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93137	Montane Shrew	IF=9666	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93139	Montane Shrew	IF=9688	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE	23-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								corner of Turquoise Lake	
93140	Montane Shrew	IF=9689	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	23-Jul-03
93145	Montane Shrew	IF=9674	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	23-Jul-03
93146	Montane Shrew	IF=9684	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93149	Montane Shrew	IF=9678	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93150	Montane Shrew	IF=9679	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93151	Montane Shrew	IF=9680	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93154	Montane Shrew	IF=9683	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93163	Montane Shrew	IF=9682	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoise Lake	23-Jul-03
93164	Montane Shrew	IF=9624	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93170	Montane Shrew	IF=9620	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93171	Montane Shrew	IF=9621	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93173	Montane Shrew	IF=9623	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93174	Montane Shrew	IF=9632	2003.38	60.78558333	-153.8561667	Lake Clark	LACL	1.25 km E of ENE section of Turquoise Lake	22-Jul-03
93175	Montane Shrew	IF=9625	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93176	Montane Shrew	IF=9626	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93177	Montane Shrew	IF=9627	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93180	Montane Shrew	IF=9630	2003.38	60.78633333	-153.8613167	Lake Clark	LACL	0.25 km E of ENE section of Turquoise Lake	22-Jul-03
93181	Montane Shrew	IF=9719	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93182	Montane Shrew	IF=9622	2003.38	60.7883	-153.8635167	Lake Clark	LACL	stream at extreme NE corner of Turquoies Lake	22-Jul-03
93184	Montane Shrew	IF=9717	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93202	Montane Shrew	IF=9728	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93204	Montane Shrew	IF=9720	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93205	Montane Shrew	IF=9721	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of	24-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Turquoise Lake	
93206	Montane Shrew	IF=9722	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93207	Montane Shrew	IF=9723	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93209	Montane Shrew	IF=9725	2003.38	60.77905	-153.8485167	Lake Clark	LACL	1.35 km SE of NE corner of Turquoise Lake	24-Jul-03
93212	Montane Shrew	IF=9718	2003.38	60.78936667	-153.8659667	Lake Clark	LACL	NE corner of Turquoise Lake	24-Jul-03
93213	Montane Shrew	IF=9729	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93215	Montane Shrew	IF=9731	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93216	Montane Shrew	IF=9732	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93217	Montane Shrew	IF=9733	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93219	Montane Shrew	IF=9735	2003.38	60.77896667	-153.8455	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	24-Jul-03
93223	Montane Shrew	IF=9887	2003.38	61.10421667	-153.8632667	Lime Hills	LACL	1 km NW mouth of Necons River	28-Jul-03
93234	Montane Shrew	IF=9898	2003.38	61.15776667	-152.8513667	Tyonek	LACL	6.8 km SW of Chilligan Point	29-Jul-03
93244	Montane Shrew	IF=9870	2003.38	61.10663333	-153.8543667	Lime Hills	LACL	0.75 km N-NW mouth of Necons River	28-Jul-03
93297	Montane Shrew	IF=9585	2003.38	60.78815	-153.8635167	Lake Clark	LACL	stream at extreme northeast corner of Turquoise Lake	20-Jul-03
93299	Montane Shrew	IF=9599	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km northeast of east northeast corner of Turquoise Lake	21-Jul-03
93300	Montane Shrew	IF=9599	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km northeast of east northeast corner of Turquoise Lake	21-Jul-03
93303	Montane Shrew	IF=9594	2003.38	60.7906	-153.8652	Lake Clark	LACL	northeast corner of Turquoise Lake	21-Jul-03
93307	Montane Shrew	IF=9589	2003.38	60.78815	-153.8635167	Lake Clark	LACL	stream at extreme northeast corner of Turquoise Lake	21-Jul-03
93310	Montane Shrew	IF=9586	2003.38	60.78815	-153.8635167	Lake Clark	LACL	stream at extreme northeast corner of Turquoise Lake	21-Jul-03
93312	Montane Shrew	IF=9587	2003.38	60.78815	-153.8635167	Lake Clark	LACL	stream at extreme northeast corner of Turquoise Lake	21-Jul-03
91801	Sorex sp.	IF=9039	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
92726	Sorex sp.	IF=9391	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92729	Sorex sp.	IF=9394	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92730	Sorex sp.	IF=9395	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92910	Sorex sp.	IF=9553	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92963	Sorex sp.	IF=9496	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of	18-Jul-03

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
								Johnson River mouth	
93091	Sorex sp.	IF=9601	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	21-Jul-03
93023	Sorex tundrensis	IF=9715	2003.38	60.2	-154.2333333	Lake Clark	LACL	Port Alsworth	31-Jul-03
91874	Tiny Shrew	IF=9024	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	8-Jul-03
91898	Tiny Shrew	IF=9189	2003.38	60.18068333	-154.5655	Lake Clark	LACL	Chulitna River and Turner Bay confluence	9-Jul-03
92731	Arctic Ground Squirrel	IF=9584	2003.38	60.78815	-153.8635167	Lake Clark	LACL	stream at extreme northeast corner of Turquoise Lake	20-Jul-03
93094	Arctic Ground Squirrel	IF=9634	2003.38	60.79275	-153.8604167	Lake Clark	LACL	0.5 km N of NE corner of Turquoise Lake	22-Jul-03
93102	Arctic Ground Squirrel	IF=9642	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	22-Jul-03
93103	Arctic Ground Squirrel	IF=9643	2003.38	60.77931667	-153.8494833	Lake Clark	LACL	1.35 km SE of NE corner of Turquoise Lake	22-Jul-03
93135	Arctic Ground Squirrel	IF=9696	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	23-Jul-03
93290	Arctic Ground Squirrel	IF=9916	2003.38	60.20135	-154.2327167	Lake Clark	LACL	Tanalian Mountain summit - south slope	31-Jul-03
93291	Arctic Ground Squirrel	IF=9917	2003.38	60.20135	-154.2327167	Lake Clark	LACL	Tanalian Mountain summit - south slope	31-Jul-03
93292	Arctic Ground Squirrel	IF=9918	2003.38	60.20011111	-154.2331389	Lake Clark	LACL	SW facing slope of Tanalian Mountain	31-Jul-03
93293	Arctic Ground Squirrel	IF=9919	2003.38	60.20011111	-154.2331389	Lake Clark	LACL	SW facing slope of Tanalian Mountain	31-Jul-03
93294	Arctic Ground Squirrel	IF=9920	2003.38	60.20011111	-154.2331389	Lake Clark	LACL	SW facing slope of Tanalian Mountain	31-Jul-03
92154	Northern Bog Lemming	IF=9247	2003.38	60.17765	-154.5807	Lake Clark	LACL	0.75 km west-southwest of Chulitna River/Turner Bay confluence	10-Jul-03
91802	Red Squirrel	IF=9040	2003.38	60.1775	-154.5670667	Lake Clark	LACL	"0.25 km south of Chulitna River/Turner Bay, 50 m west of Turner Bay"	8-Jul-03
92697	Red Squirrel	IF=9362	2003.38	60.38333333	-153.8333333	Lake Clark	LACL	mouth of Tlikakila River	13-Jul-03
93097	Red Squirrel	IF=9648	2003.38	60.78643333	-153.8586	Lake Clark	LACL	1 km NE of ENE corner of Turquoise Lake	23-Jul-03
93115	Red Squirrel	IF=9778	2003.38	61.10547222	-153.85775	Lime Hills	LACL	lower Two Lakes	26-Jul-03
93260	Red Squirrel	IF=9924	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Lake Clark	10-Feb-03
93263	Red Squirrel	IF=9927	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Lake Clark	10-Jan-03
93265	Red Squirrel	IF=9929	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Lake Clark	17-Jan-03
93266	Red Squirrel	IF=9922	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Lake Clark	5-Jan-03
93268	Red Squirrel	IF=9921	2003.38	60.2099791	-154.2784728	Lake Clark	LACL	Lake Clark	20-Feb-03
93276	Red Squirrel	IF=9930	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Lake Clark	3-Jan-03
93285	Red Squirrel	IF=9923	2003.38	60.2099791	-154.2784728	Lake Clark	LACL	Lake Clark	20-Feb-03
93289	Red Squirrel	IF=9915	2003.38	60.2192472	-154.2497437	Lake Clark	LACL	Lake Clark	21-Jan-03
93295	Vulpes vulpes	IF=9911	2003.38	60.2099791	-154.2784728	Lake Clark	LACL	Port Alsworth	25-Feb-03

Table A2. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Lake Clark National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Collared Pika (*Ochotona collaris*), Little Brown Bat (*Myotis lucifugus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Singing Vole (*Microtus miurus*), Snowshoe Hare (*Lepus americanus*), Tiny Shrew (*Sorex yukonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
92514	Meadow Jumping Mouse	IF=9310	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 km west-northwest of Tlikakila River/Little Lake Clark confluence	13-Jul-03
92721	Meadow Jumping Mouse	IF=9387	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92757	Meadow Jumping Mouse	IF=9402	2003.38	59.98153333	-152.6683333	Seldovia	LACL	3.5 km southeast of Saddle mountain	16-Jul-03
92770	Meadow Jumping Mouse	IF=9414	2003.38	59.99165	-152.6682333	Seldovia	LACL	4 km southwest of Johnson River mouth	16-Jul-03
92833	Meadow Jumping Mouse	IF=9328	2003.38	60.39925	-153.85485	Lake Clark	LACL	1.5 mi west Northwest of Tlikakila River/Little Lake Clark junction	13-Jul-03
92857	Meadow Jumping Mouse	IF=9540	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lake	18-Jul-03
92858	Meadow Jumping Mouse	IF=9541	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lake	18-Jul-03
92876	Meadow Jumping Mouse	IF=9521	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92879	Meadow Jumping Mouse	IF=9524	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon Lakes	18-Jul-03
92884	Meadow Jumping Mouse	IF=9576	2003.38	59.99221667	-152.6738167	Lake Clark	LACL	1.5 km inland from Silver Salmon Creek Lodge	19-Jul-03
92920	Meadow Jumping Mouse	IF=9563	2003.38	59.99165	-152.6682333	Lake Clark	LACL	4 km southwest mouth of Johnson River	19-Jul-03
92951	Meadow Jumping Mouse	IF=9446	2003.38	59.99221667	-152.6738167	Seldovia	LACL	backwater of Silver Salmon	17-Jul-03
93269	Meadow Jumping Mouse	IF=9606	2003.38	60.77853333	-153.84695	Lake Clark	LACL	1.51 km SE of NE corner of Turquoise Lake	21-Jul-03

Table A3. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Katmai National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94566	Northern Red-backed Vole	MSB=NK 122583	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94567	Northern Red-backed Vole	MSB=NK 122584	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94573	Northern Red-backed Vole	MSB=NK 122590	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94587	Northern Red-backed Vole	MSB=NK 122604	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94595	Northern Red-backed Vole	MSB=NK 122623	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94596	Northern Red-backed Vole	MSB=NK 122624	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94598	Northern Red-backed Vole	MSB=NK 122626	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94601	Northern Red-backed Vole	MSB=NK 122632	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	9-Jul-04
94604	Northern Red-backed Vole	MSB=NK 122637	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	9-Jul-04
94605	Northern Red-backed Vole	MSB=NK 122638	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	9-Jul-04
94606	Northern Red-backed Vole	MSB=NK 122639	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	9-Jul-04
94611	Northern Red-backed Vole	MSB=NK 122560	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94616	Northern Red-backed Vole	MSB=NK 122565	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94619	Northern Red-backed Vole	MSB=NK 122568	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94624	Northern Red-backed Vole	MSB=NK 122573	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94635	Northern Red-backed Vole	MSB=NK 122611	2004.49	58.6823	-155.4076	Mt. Katmai	KATM	Lake Grosvenor	7-Jul-04
94636	Northern Red-backed Vole	MSB=NK 122612	2004.49	58.6823	-155.4076	Mt. Katmai	KATM	Lake Grosvenor	7-Jul-04
94637	Northern Red-backed Vole	MSB=NK 122613	2004.49	58.6823	-155.4076	Mt. Katmai	KATM	Lake Grosvenor	7-Jul-04
94640	Northern Red-backed Vole	MSB=NK 122616	2004.49	58.6823	-155.4076	Mt. Katmai	KATM	Lake Grosvenor	7-Jul-04
94643	Northern Red-backed Vole	MSB=NK 122607	2004.49	58.6759	-155.4203	Mt. Katmai	KATM	Portage Lake	7-Jul-04
94657	Northern Red-backed Vole	MSB=NK 122994	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	21-Jul-04
94668	Northern Red-backed Vole	MSB=NK 122879	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94683	Northern Red-backed Vole	MSB=NK 122894	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94684	Northern Red-backed Vole	MSB=NK 122895	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94687	Northern Red-backed Vole	MSB=NK 122898	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	15-Jul-04

Table A3. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Katmai National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94694	Northern Red-backed Vole	MSB=NK 122905	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94698	Northern Red-backed Vole	MSB=NK 122909	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94700	Northern Red-backed Vole	MSB=NK 122912	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94703	Northern Red-backed Vole	MSB=NK 122915	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94704	Northern Red-backed Vole	MSB=NK 122916	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94710	Northern Red-backed Vole	MSB=NK 122922	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94713	Northern Red-backed Vole	MSB=NK 122925	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94729	Northern Red-backed Vole	MSB=NK 122941	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94736	Northern Red-backed Vole	MSB=NK 122948	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94743	Northern Red-backed Vole	MSB=NK 122956	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94744	Northern Red-backed Vole	MSB=NK 122957	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94774	Northern Red-backed Vole	MSB=NK 122501	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94798	Northern Red-backed Vole	MSB=NK 122644	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94857	Northern Red-backed Vole	MSB=NK 122703	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94858	Northern Red-backed Vole	MSB=NK 122704	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94863	Northern Red-backed Vole	MSB=NK 122709	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94894	Northern Red-backed Vole	MSB=NK 122740	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94903	Northern Red-backed Vole	MSB=NK 122749	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94946	Northern Red-backed Vole	MSB=NK 122793	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94947	Northern Red-backed Vole	MSB=NK 122794	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94969	Northern Red-backed Vole	MSB=NK 122816	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94986	Northern Red-backed Vole	MSB=NK 122833	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94987	Northern Red-backed Vole	MSB=NK 122834	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95030	Northern Red-backed Vole	MSB=NK 122877	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
96651	Northern Red-backed Vole	MSB=NK 122750	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94705	Marmota caligata	MSB=NK 122917	2004.49	58.7666667	-154.966667	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94652	Tundra Vole	MSB=NK 122989	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	20-Jul-04
94656	Tundra Vole	MSB=NK 122993	2004.49	58.2207	-155.9816	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	21-Jul-04
94662	Tundra Vole	MSB=NK 122999	2004.49	58.2231	-155.9868	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	22-Jul-04
94690	Tundra Vole	MSB=NK 122901	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94691	Tundra Vole	MSB=NK 122902	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	15-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94692	Tundra Vole	MSB=NK 122903	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94760	Tundra Vole	MSB=NK 122973	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94761	Tundra Vole	MSB=NK 122974	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94762	Tundra Vole	MSB=NK 122975	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94763	Tundra Vole	MSB=NK 122976	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94764	Tundra Vole	MSB=NK 122977	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94772	Tundra Vole	MSB=NK 122985	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94773	Tundra Vole	MSB=NK 122986	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
96649	Tundra Vole	MSB=NK 122911	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94576	Meadow Vole	MSB=NK 122593	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94602	Meadow Vole	MSB=NK 122633	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	9-Jul-04
94610	Meadow Vole	MSB=NK 122559	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94614	Meadow Vole	MSB=NK 122563	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94620	Meadow Vole	MSB=NK 122569	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94621	Meadow Vole	MSB=NK 122570	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94626	Meadow Vole	MSB=NK 122575	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94627	Meadow Vole	MSB=NK 122576	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94628	Meadow Vole	MSB=NK 122577	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94629	Meadow Vole	MSB=NK 122578	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94630	Meadow Vole	MSB=NK 122579	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94631	Meadow Vole	MSB=NK 122580	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94642	Meadow Vole	MSB=NK 122606	2004.49	58.6759	-155.4203	Mt. Katmai	KATM	Portage Lake	7-Jul-04
94648	Meadow Vole	MSB=NK 122634	2004.49	58.6759	-155.4203	Mt. Katmai	KATM	Portage Lake	9-Jul-04
94711	Meadow Vole	MSB=NK 122923	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94571	Cinereus Shrew	MSB=NK 122588	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94575	Cinereus Shrew	MSB=NK 122592	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94579	Cinereus Shrew	MSB=NK 122596	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94580	Cinereus Shrew	MSB=NK 122597	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94581	Cinereus Shrew	MSB=NK 122598	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04

Table A3. Mammal specimens in the University of Alaska Museum of the North (UAM) from BCP/NPS inventories of the Katmai National Park and Preserve, Alaska, field season 2003. Species names: Arctic Ground Squirrel (*Spermophilus parryii*), Cinereus Shrew (*Sorex cinereus*), Meadow Jumping Mouse (*Zapus hudsonius*), Meadow Vole (*Microtus pennsylvanicus*), Montane Shrew (*Sorex monticolus*), Northern Bog Lemming (*Synaptomys borealis*), Northern Red-backed Vole (*Clethrionomys rutilus*), Pygmy Shrew (*Sorex hoyi*), Red Squirrel (*Tamiasciurus hudsonicus*), Tundra Vole (*Microtus oeconomus*).

UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94582	Cinereus Shrew	MSB=NK 122599	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94583	Cinereus Shrew	MSB=NK 122600	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94584	Cinereus Shrew	MSB=NK 122601	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94585	Cinereus Shrew	MSB=NK 122602	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94586	Cinereus Shrew	MSB=NK 122603	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94590	Cinereus Shrew	MSB=NK 122618	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94591	Cinereus Shrew	MSB=NK 122619	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94592	Cinereus Shrew	MSB=NK 122620	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94593	Cinereus Shrew	MSB=NK 122621	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94594	Cinereus Shrew	MSB=NK 122622	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94603	Cinereus Shrew	MSB=NK 122636	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	9-Jul-04
94608	Cinereus Shrew	MSB=NK 122556	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94613	Cinereus Shrew	MSB=NK 122562	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94618	Cinereus Shrew	MSB=NK 122567	2004.49	58.7649	-155.8	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94632	Cinereus Shrew	MSB=NK 122581	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94633	Cinereus Shrew	MSB=NK 122582	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94634	Cinereus Shrew	MSB=NK 122610	2004.49	58.6823	-155.4076	Mt. Katmai	KATM	Lake Grosvenor	7-Jul-04
94647	Cinereus Shrew	MSB=NK 122629	2004.49	58.6759	-155.4203	Mt. Katmai	KATM	Portage Lake	8-Jul-04
94649	Cinereus Shrew	MSB=NK 122635	2004.49	58.6759	-155.4203	Mt. Katmai	KATM	Portage Lake	9-Jul-04
94651	Cinereus Shrew	MSB=NK 122988	2004.49	58.2205	-155.9813	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	20-Jul-04
94653	Cinereus Shrew	MSB=NK 122990	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	20-Jul-04
94654	Cinereus Shrew	MSB=NK 122991	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	20-Jul-04
94655	Cinereus Shrew	MSB=NK 122992	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	20-Jul-04
94658	Cinereus Shrew	MSB=NK 122995	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	21-Jul-04
94659	Cinereus Shrew	MSB=NK	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake	21-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
		122996						west of Contact Creek	
94660	Cinereus Shrew	MSB=NK 122997	2004.49	58.2205	-155.9813	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	21-Jul-04
94661	Cinereus Shrew	MSB=NK 122998	2004.49	58.2207	-155.9816	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	22-Jul-04
94664	Cinereus Shrew	MSB=NK 123001	2004.49	58.2205	-155.9813	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	22-Jul-04
94665	Cinereus Shrew	MSB=NK 123002	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	22-Jul-04
94666	Cinereus Shrew	MSB=NK 123003	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	22-Jul-04
94667	Cinereus Shrew	MSB=NK 123004	2004.49	58.22	-155.9927	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	22-Jul-04
94673	Cinereus Shrew	MSB=NK 122884	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94696	Cinereus Shrew	MSB=NK 122907	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94699	Cinereus Shrew	MSB=NK 122910	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94717	Cinereus Shrew	MSB=NK 122929	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94718	Cinereus Shrew	MSB=NK 122930	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94719	Cinereus Shrew	MSB=NK 122931	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94740	Cinereus Shrew	MSB=NK 122953	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94741	Cinereus Shrew	MSB=NK 122954	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94751	Cinereus Shrew	MSB=NK 122964	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94778	Cinereus Shrew	MSB=NK 122505	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94780	Cinereus Shrew	MSB=NK 122507	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94783	Cinereus Shrew	MSB=NK 122510	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94787	Cinereus Shrew	MSB=NK 122514	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94799	Cinereus Shrew	MSB=NK 122645	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94804	Cinereus Shrew	MSB=NK 122650	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94806	Cinereus Shrew	MSB=NK 122652	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94819	Cinereus Shrew	MSB=NK 122665	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94826	Cinereus Shrew	MSB=NK 122672	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94830	Cinereus Shrew	MSB=NK 122676	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94833	Cinereus Shrew	MSB=NK 122679	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94840	Cinereus Shrew	MSB=NK 122686	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94846	Cinereus Shrew	MSB=NK 122692	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94860	Cinereus Shrew	MSB=NK	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
		122706							
94874	Cinereus Shrew	MSB=NK 122720	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94876	Cinereus Shrew	MSB=NK 122722	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94886	Cinereus Shrew	MSB=NK 122732	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94897	Cinereus Shrew	MSB=NK 122743	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94904	Cinereus Shrew	MSB=NK 122751	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94905	Cinereus Shrew	MSB=NK 122752	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94907	Cinereus Shrew	MSB=NK 122754	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94911	Cinereus Shrew	MSB=NK 122758	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94914	Cinereus Shrew	MSB=NK 122761	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94915	Cinereus Shrew	MSB=NK 122762	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94916	Cinereus Shrew	MSB=NK 122763	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94917	Cinereus Shrew	MSB=NK 122764	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94922	Cinereus Shrew	MSB=NK 122769	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94924	Cinereus Shrew	MSB=NK 122771	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94925	Cinereus Shrew	MSB=NK 122772	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94930	Cinereus Shrew	MSB=NK 122777	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94942	Cinereus Shrew	MSB=NK 122789	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94950	Cinereus Shrew	MSB=NK 122797	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94953	Cinereus Shrew	MSB=NK 122800	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94954	Cinereus Shrew	MSB=NK 122801	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94958	Cinereus Shrew	MSB=NK 122805	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94961	Cinereus Shrew	MSB=NK 122808	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94967	Cinereus Shrew	MSB=NK 122814	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94984	Cinereus Shrew	MSB=NK 122831	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94991	Cinereus Shrew	MSB=NK 122838	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94992	Cinereus Shrew	MSB=NK 122839	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94995	Cinereus Shrew	MSB=NK 122842	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95000	Cinereus Shrew	MSB=NK 122847	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95010	Cinereus Shrew	MSB=NK 122857	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95017	Cinereus Shrew	MSB=NK 122864	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95019	Cinereus Shrew	MSB=NK 122866	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95021	Cinereus Shrew	MSB=NK 122868	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
95022	Cinereus Shrew	MSB=NK 122869	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95025	Cinereus Shrew	MSB=NK 122872	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95029	Cinereus Shrew	MSB=NK 122876	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94607	Pygmy Shrew	MSB=NK 122555	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94645	Pygmy Shrew	MSB=NK 122609	2004.49	58.6759	-155.4203	Mt. Katmai	KATM	Portage Lake	7-Jul-04
94570	Montane Shrew	MSB=NK 122587	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94572	Montane Shrew	MSB=NK 122589	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94574	Montane Shrew	MSB=NK 122591	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94578	Montane Shrew	MSB=NK 122595	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94588	Montane Shrew	MSB=NK 122605	2004.49	58.6708	-155.4296	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94644	Montane Shrew	MSB=NK 122608	2004.49	58.6759	-155.4203	Mt. Katmai	KATM	Portage Lake	7-Jul-04
94663	Montane Shrew	MSB=NK 123000	2004.49	58.2205	-155.9813	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	22-Jul-04
94670	Montane Shrew	MSB=NK 122881	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94671	Montane Shrew	MSB=NK 122882	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94672	Montane Shrew	MSB=NK 122883	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94676	Montane Shrew	MSB=NK 122887	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94677	Montane Shrew	MSB=NK 122888	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94678	Montane Shrew	MSB=NK 122889	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94679	Montane Shrew	MSB=NK 122890	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94680	Montane Shrew	MSB=NK 122891	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94685	Montane Shrew	MSB=NK 122896	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94688	Montane Shrew	MSB=NK 122899	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94689	Montane Shrew	MSB=NK 122900	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94693	Montane Shrew	MSB=NK 122904	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94695	Montane Shrew	MSB=NK 122906	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94701	Montane Shrew	MSB=NK 122913	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94702	Montane Shrew	MSB=NK 122914	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94706	Montane Shrew	MSB=NK 122918	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94707	Montane Shrew	MSB=NK 122919	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94712	Montane Shrew	MSB=NK	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	16-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
		122924							
94722	Montane Shrew	MSB=NK 122934	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94723	Montane Shrew	MSB=NK 122935	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94724	Montane Shrew	MSB=NK 122936	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94730	Montane Shrew	MSB=NK 122942	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94731	Montane Shrew	MSB=NK 122943	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94732	Montane Shrew	MSB=NK 122944	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94733	Montane Shrew	MSB=NK 122945	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94734	Montane Shrew	MSB=NK 122946	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94738	Montane Shrew	MSB=NK 122951	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94739	Montane Shrew	MSB=NK 122952	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94746	Montane Shrew	MSB=NK 122959	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94747	Montane Shrew	MSB=NK 122960	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94748	Montane Shrew	MSB=NK 122961	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94749	Montane Shrew	MSB=NK 122962	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94750	Montane Shrew	MSB=NK 122963	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94753	Montane Shrew	MSB=NK 122966	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94754	Montane Shrew	MSB=NK 122967	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94757	Montane Shrew	MSB=NK 122970	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94758	Montane Shrew	MSB=NK 122971	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94759	Montane Shrew	MSB=NK 122972	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94765	Montane Shrew	MSB=NK 122978	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94766	Montane Shrew	MSB=NK 122979	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94767	Montane Shrew	MSB=NK 122980	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94768	Montane Shrew	MSB=NK 122981	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94769	Montane Shrew	MSB=NK 122982	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94770	Montane Shrew	MSB=NK 122983	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94771	Montane Shrew	MSB=NK 122984	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94775	Montane Shrew	MSB=NK 122502	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94776	Montane Shrew	MSB=NK 122503	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94777	Montane Shrew	MSB=NK 122504	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94779	Montane Shrew	MSB=NK 122506	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94781	Montane Shrew	MSB=NK 122508	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94782	Montane Shrew	MSB=NK 122509	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94784	Montane Shrew	MSB=NK 122511	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94785	Montane Shrew	MSB=NK 122512	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94786	Montane Shrew	MSB=NK 122513	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94788	Montane Shrew	MSB=NK 122515	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94789	Montane Shrew	MSB=NK 122516	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94790	Montane Shrew	MSB=NK 122517	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94791	Montane Shrew	MSB=NK 122518	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94792	Montane Shrew	MSB=NK 122519	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94793	Montane Shrew	MSB=NK 122520	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94794	Montane Shrew	MSB=NK 122640	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	9-Jul-04
94795	Montane Shrew	MSB=NK 122641	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	9-Jul-04
94796	Montane Shrew	MSB=NK 122642	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	9-Jul-04
94800	Montane Shrew	MSB=NK 122646	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94801	Montane Shrew	MSB=NK 122647	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94802	Montane Shrew	MSB=NK 122648	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94803	Montane Shrew	MSB=NK 122649	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94805	Montane Shrew	MSB=NK 122651	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94807	Montane Shrew	MSB=NK 122653	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94808	Montane Shrew	MSB=NK 122654	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94809	Montane Shrew	MSB=NK 122655	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94810	Montane Shrew	MSB=NK 122656	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94811	Montane Shrew	MSB=NK 122657	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94812	Montane Shrew	MSB=NK 122658	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94813	Montane Shrew	MSB=NK 122659	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94814	Montane Shrew	MSB=NK 122660	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94815	Montane Shrew	MSB=NK 122661	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94816	Montane Shrew	MSB=NK 122662	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94817	Montane Shrew	MSB=NK 122663	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94818	Montane Shrew	MSB=NK 122664	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94822	Montane Shrew	MSB=NK 122668	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94823	Montane Shrew	MSB=NK 122669	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94824	Montane Shrew	MSB=NK	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
		122670							
94825	Montane Shrew	MSB=NK 122671	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94827	Montane Shrew	MSB=NK 122673	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94828	Montane Shrew	MSB=NK 122674	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94829	Montane Shrew	MSB=NK 122675	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94831	Montane Shrew	MSB=NK 122677	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94832	Montane Shrew	MSB=NK 122678	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94834	Montane Shrew	MSB=NK 122680	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94835	Montane Shrew	MSB=NK 122681	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94836	Montane Shrew	MSB=NK 122682	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94837	Montane Shrew	MSB=NK 122683	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94838	Montane Shrew	MSB=NK 122684	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94839	Montane Shrew	MSB=NK 122685	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94841	Montane Shrew	MSB=NK 122687	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94842	Montane Shrew	MSB=NK 122688	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94843	Montane Shrew	MSB=NK 122689	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94844	Montane Shrew	MSB=NK 122690	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94845	Montane Shrew	MSB=NK 122691	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94847	Montane Shrew	MSB=NK 122693	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94848	Montane Shrew	MSB=NK 122694	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94849	Montane Shrew	MSB=NK 122695	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94850	Montane Shrew	MSB=NK 122696	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94851	Montane Shrew	MSB=NK 122697	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94852	Montane Shrew	MSB=NK 122698	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94853	Montane Shrew	MSB=NK 122699	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94854	Montane Shrew	MSB=NK 122700	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94855	Montane Shrew	MSB=NK 122701	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94856	Montane Shrew	MSB=NK 122702	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94861	Montane Shrew	MSB=NK 122707	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94864	Montane Shrew	MSB=NK 122710	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94865	Montane Shrew	MSB=NK 122711	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94866	Montane Shrew	MSB=NK 122712	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94867	Montane Shrew	MSB=NK 122713	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94868	Montane Shrew	MSB=NK 122714	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94869	Montane Shrew	MSB=NK 122715	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94870	Montane Shrew	MSB=NK 122716	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94871	Montane Shrew	MSB=NK 122717	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94872	Montane Shrew	MSB=NK 122718	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94873	Montane Shrew	MSB=NK 122719	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94875	Montane Shrew	MSB=NK 122721	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94877	Montane Shrew	MSB=NK 122723	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94878	Montane Shrew	MSB=NK 122724	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94880	Montane Shrew	MSB=NK 122726	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94881	Montane Shrew	MSB=NK 122727	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94882	Montane Shrew	MSB=NK 122728	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94883	Montane Shrew	MSB=NK 122729	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94887	Montane Shrew	MSB=NK 122733	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94888	Montane Shrew	MSB=NK 122734	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94889	Montane Shrew	MSB=NK 122735	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94890	Montane Shrew	MSB=NK 122736	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94895	Montane Shrew	MSB=NK 122741	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94896	Montane Shrew	MSB=NK 122742	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94898	Montane Shrew	MSB=NK 122744	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94899	Montane Shrew	MSB=NK 122745	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94900	Montane Shrew	MSB=NK 122746	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94906	Montane Shrew	MSB=NK 122753	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94908	Montane Shrew	MSB=NK 122755	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94909	Montane Shrew	MSB=NK 122756	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94910	Montane Shrew	MSB=NK 122757	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94912	Montane Shrew	MSB=NK 122759	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94913	Montane Shrew	MSB=NK 122760	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94918	Montane Shrew	MSB=NK 122765	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94919	Montane Shrew	MSB=NK 122766	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94921	Montane Shrew	MSB=NK 122768	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94923	Montane Shrew	MSB=NK 122770	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94926	Montane Shrew	MSB=NK	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
		122773							
94927	Montane Shrew	MSB=NK 122774	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94928	Montane Shrew	MSB=NK 122775	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94929	Montane Shrew	MSB=NK 122776	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94931	Montane Shrew	MSB=NK 122778	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94933	Montane Shrew	MSB=NK 122780	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94934	Montane Shrew	MSB=NK 122781	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94935	Montane Shrew	MSB=NK 122782	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94936	Montane Shrew	MSB=NK 122783	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94937	Montane Shrew	MSB=NK 122784	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94938	Montane Shrew	MSB=NK 122785	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94939	Montane Shrew	MSB=NK 122786	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94940	Montane Shrew	MSB=NK 122787	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94941	Montane Shrew	MSB=NK 122788	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94943	Montane Shrew	MSB=NK 122790	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94944	Montane Shrew	MSB=NK 122791	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94945	Montane Shrew	MSB=NK 122792	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94948	Montane Shrew	MSB=NK 122795	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94949	Montane Shrew	MSB=NK 122796	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94951	Montane Shrew	MSB=NK 122798	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94952	Montane Shrew	MSB=NK 122799	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94955	Montane Shrew	MSB=NK 122802	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94957	Montane Shrew	MSB=NK 122804	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94959	Montane Shrew	MSB=NK 122806	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94960	Montane Shrew	MSB=NK 122807	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94962	Montane Shrew	MSB=NK 122809	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94963	Montane Shrew	MSB=NK 122810	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94964	Montane Shrew	MSB=NK 122811	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94965	Montane Shrew	MSB=NK 122812	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94966	Montane Shrew	MSB=NK 122813	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94968	Montane Shrew	MSB=NK 122815	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94973	Montane Shrew	MSB=NK 122820	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94974	Montane Shrew	MSB=NK 122821	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94975	Montane Shrew	MSB=NK 122822	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94976	Montane Shrew	MSB=NK 122823	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94977	Montane Shrew	MSB=NK 122824	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94978	Montane Shrew	MSB=NK 122825	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94979	Montane Shrew	MSB=NK 122826	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94980	Montane Shrew	MSB=NK 122827	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94981	Montane Shrew	MSB=NK 122828	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94982	Montane Shrew	MSB=NK 122829	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94983	Montane Shrew	MSB=NK 122830	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94988	Montane Shrew	MSB=NK 122835	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94989	Montane Shrew	MSB=NK 122836	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94990	Montane Shrew	MSB=NK 122837	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94993	Montane Shrew	MSB=NK 122840	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94994	Montane Shrew	MSB=NK 122841	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94996	Montane Shrew	MSB=NK 122843	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94997	Montane Shrew	MSB=NK 122844	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94998	Montane Shrew	MSB=NK 122845	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94999	Montane Shrew	MSB=NK 122846	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95001	Montane Shrew	MSB=NK 122848	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95002	Montane Shrew	MSB=NK 122849	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95003	Montane Shrew	MSB=NK 122850	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95004	Montane Shrew	MSB=NK 122851	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95005	Montane Shrew	MSB=NK 122852	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95006	Montane Shrew	MSB=NK 122853	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95007	Montane Shrew	MSB=NK 122854	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95008	Montane Shrew	MSB=NK 122855	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95009	Montane Shrew	MSB=NK 122856	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95011	Montane Shrew	MSB=NK 122858	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95012	Montane Shrew	MSB=NK 122859	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95013	Montane Shrew	MSB=NK 122860	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95014	Montane Shrew	MSB=NK 122861	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95015	Montane Shrew	MSB=NK 122862	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95016	Montane Shrew	MSB=NK	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
		122863							
95018	Montane Shrew	MSB=NK 122865	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95020	Montane Shrew	MSB=NK 122867	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95023	Montane Shrew	MSB=NK 122870	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95024	Montane Shrew	MSB=NK 122871	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95027	Montane Shrew	MSB=NK 122874	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
96650	Montane Shrew	MSB=NK 122949	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94569	<i>Sorex tundrensis</i>	MSB=NK 122586	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94577	<i>Sorex tundrensis</i>	MSB=NK 122594	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	7-Jul-04
94600	<i>Sorex tundrensis</i>	MSB=NK 122631	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	9-Jul-04
94638	<i>Sorex tundrensis</i>	MSB=NK 122614	2004.49	58.6823	-155.4076	Mt. Katmai	KATM	Lake Grosvenor	7-Jul-04
94639	<i>Sorex tundrensis</i>	MSB=NK 122615	2004.49	58.6823	-155.4076	Mt. Katmai	KATM	Lake Grosvenor	7-Jul-04
94641	<i>Sorex tundrensis</i>	MSB=NK 122628	2004.49	58.6823	-155.4076	Mt. Katmai	KATM	Lake Grosvenor	8-Jul-04
94650	<i>Sorex tundrensis</i>	MSB=NK 122987	2004.49	58.2205	-155.9813	Mt. Katmai	KATM	Unnamed lake west of Contact Creek	20-Jul-04
94675	<i>Sorex tundrensis</i>	MSB=NK 122886	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94714	<i>Sorex tundrensis</i>	MSB=NK 122926	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94716	<i>Sorex tundrensis</i>	MSB=NK 122928	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94728	<i>Sorex tundrensis</i>	MSB=NK 122940	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94737	<i>Sorex tundrensis</i>	MSB=NK 122950	2004.49	58.7712	-155.0282	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94745	<i>Sorex tundrensis</i>	MSB=NK 122958	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94617	Arctic Ground Squirrel	MSB=NK 122566	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94622	Arctic Ground Squirrel	MSB=NK 122571	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94681	Arctic Ground Squirrel	MSB=NK 122892	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94682	Arctic Ground Squirrel	MSB=NK 122893	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94697	Arctic Ground Squirrel	MSB=NK 122908	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94725	Arctic Ground Squirrel	MSB=NK 122937	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94726	Arctic Ground Squirrel	MSB=NK 122938	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94727	Arctic Ground Squirrel	MSB=NK 122939	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94735	Arctic Ground Squirrel	MSB=NK 122947	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94752	Arctic Ground Squirrel	MSB=NK 122965	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
95031	Arctic Ground Squirrel	MSB=NK 122878	2004.49	58.10386	-154.52812	Mt. Katmai	KATM	Amalik Bay	12-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
94589	Northern Bog Lemming	MSB=NK 122617	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94599	Northern Bog Lemming	MSB=NK 122630	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	9-Jul-04
94609	Northern Bog Lemming	MSB=NK 122558	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94623	Northern Bog Lemming	MSB=NK 122572	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94669	Northern Bog Lemming	MSB=NK 122880	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94597	Red Squirrel	MSB=NK 122625	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	8-Jul-04
94646	Red Squirrel	MSB=NK 122627	2004.49	58.6759	-155.4203	Mt. Katmai	KATM	Portage Lake	8-Jul-04
94568	Meadow Jumping Mouse	MSB=NK 122585	2004.49	58.6701	-155.429	Mt. Katmai	KATM	"NE Naknek Lake, Fures Cabin"	6-Jul-04
94612	Meadow Jumping Mouse	MSB=NK 122561	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94615	Meadow Jumping Mouse	MSB=NK 122564	2004.49	58.7692	-155.8809	Mt. Katmai	KATM	Idavain Lake	4-Jul-04
94625	Meadow Jumping Mouse	MSB=NK 122574	2004.49	58.7649	-155.8908	Mt. Katmai	KATM	Idavain Lake	5-Jul-04
94674	Meadow Jumping Mouse	MSB=NK 122885	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	14-Jul-04
94686	Meadow Jumping Mouse	MSB=NK 122897	2004.49	58.7721	-155.0224	Mt. Katmai	KATM	Murray Lake	15-Jul-04
94708	Meadow Jumping Mouse	MSB=NK 122920	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94709	Meadow Jumping Mouse	MSB=NK 122921	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94715	Meadow Jumping Mouse	MSB=NK 122927	2004.49	58.7734	-155.0277	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94720	Meadow Jumping Mouse	MSB=NK 122932	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94721	Meadow Jumping Mouse	MSB=NK 122933	2004.49	58.7561	-155.0313	Mt. Katmai	KATM	Murray Lake	16-Jul-04
94742	Meadow Jumping Mouse	MSB=NK 122955	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	17-Jul-04
94755	Meadow Jumping Mouse	MSB=NK 122968	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94756	Meadow Jumping Mouse	MSB=NK 122969	2004.49	58.7722	-155.0267	Mt. Katmai	KATM	Murray Lake	18-Jul-04
94797	Meadow Jumping Mouse	MSB=NK 122643	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	9-Jul-04
94820	Meadow Jumping Mouse	MSB=NK 122666	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94821	Meadow Jumping Mouse	MSB=NK 122667	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94859	Meadow Jumping Mouse	MSB=NK 122705	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94862	Meadow Jumping Mouse	MSB=NK 122708	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	10-Jul-04
94879	Meadow Jumping Mouse	MSB=NK 122725	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94884	Meadow Jumping Mouse	MSB=NK 122730	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94885	Meadow Jumping Mouse	MSB=NK 122731	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94891	Meadow Jumping Mouse	MSB=NK 122737	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94892	Meadow Jumping Mouse	MSB=NK	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04

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UAM Number	Species Name	Other Identifiers	Accession	Latitude	Longitude	Map Name	Feature	Specific Locality	Date
	Mouse	122738							
94893	Meadow Jumping Mouse	MSB=NK 122739	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94901	Meadow Jumping Mouse	MSB=NK 122747	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94902	Meadow Jumping Mouse	MSB=NK 122748	2004.49	58.1055	-154.5284	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94920	Meadow Jumping Mouse	MSB=NK 122767	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94932	Meadow Jumping Mouse	MSB=NK 122779	2004.49	58.1053	-154.4283	Mt. Katmai	KATM	Amalik Bay	11-Jul-04
94956	Meadow Jumping Mouse	MSB=NK 122803	2004.49	58.105	-154.5274	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94970	Meadow Jumping Mouse	MSB=NK 122817	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94971	Meadow Jumping Mouse	MSB=NK 122818	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94972	Meadow Jumping Mouse	MSB=NK 122819	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
94985	Meadow Jumping Mouse	MSB=NK 122832	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95026	Meadow Jumping Mouse	MSB=NK 122873	2004.49	58.105	-154.5272	Mt. Katmai	KATM	Amalik Bay	12-Jul-04
95028	Meadow Jumping Mouse	MSB=NK 122875	2004.49	58.1022	-154.5291	Mt. Katmai	KATM	Amalik Bay	12-Jul-04

APPENDIX 2. Field Procedures

- A Note of Specimen Preparation (page 83)
- Notes on Ethanol Preservation (page 83)
- Notes on Making Carcasses (page 84)
- How to Fill Out an AF (NK) Sheet (page 84)
- How to Fill and Label Cryotubes (page 87)
- How to Preserve Samples in Ethanol for DNA Analysis (page 88)
- How to Preserve Frozen Tissue Samples (page 89)
- How to Necropsy (page 89)
- Parasite Handling and Preservation (page 90)
- Trapline Data Sheet (page 92)
- Sample AF Page (page 93)
- Key to Orders of Alaska Small Mammals (page 94)
- Key to the Shrews of Alaska (page 94)
- Key to the Small Rodents of Alaska (page 95)

A Note on Specimen Preparation

Time is saved (and confusion avoided) if you decide how each specimen is to be prepared before you begin to work up the specimens. Decide which animals will be examined for endoparasites, preserved as alcoholics, made into skin and skeleton, sampled for Telford, etc.

Notes on Ethanol Preservation

To produce the best alcoholic specimen, captures need to be placed into ethanol as soon as possible. Because the goal of this preservation method is to preserve soft tissues, which decompose quickly, preparing specimens slated for alcohol at the end of the evening results in poor quality specimens.

We have found that the best way to “cure” alcoholics is to place the captures in a bucket or jar containing highly concentrated ethanol (80-95%). About 2 days after the specimens are placed into the curing container they will become stiff, at this point they should be transferred into a more dilute concentration of ethanol (about 70%).

It is important to check the specimens while they are in the concentrated ethanol. If they are not becoming stiff they may be in danger of decomposing and molding. Do not over-fill the curing containers with specimens. The curing container should be no more than 2/3 full with specimens. .

- 1) Do not use markers or regular ink pens on skull tags (they are soluble in ethanol). Use a permanent pen (Uniball Deluxe-preferred) or pencil to write the AF number on the specimen's tag.
- 2) Measure and weigh specimens before cutting the abdominal cavity.
- 3) Make the incision in the body as small as possible (but large enough so that you can examine the reproductive organs). The incision should be from above the pelvis to the rib cage (not cutting through the ribs). Not only does this incision allow you to sex the specimen, but it enables the ethanol to enter the body cavity more quickly, resulting in a better preservation of the specimen.
- 4) Place a little piece of cotton into the body cavity to help keep the organs inside of the body.
- 5) Tie specimen tag onto the right hind foot. Use a square knot and make sure the tag is secure.
- 6) Place the specimens into a container with 80-95% ethanol (“curing” container). Mix the ethanol and specimens around in the container. After a couple of days the specimen should be stiff. At this time remove the specimen and place in a container with 70% ethanol. Do not keep adding fresh captures to the curing container without adding additional concentrated ethanol for after time the ethanol will become too dilute. Subsequent specimens will not be preserved very well and fur will start to slip off the carcass and tissues will be of lesser quality. Diluted ethanol from the curing container can be put into the holding container as more specimens are added.
- 7) Ethanol preservation is not for “poor quality” specimens. Because we are preserving soft tissue a rotting specimen makes a very lousy “alcoholic.”

Notes on Making Carcasses

- 1) Bloody specimen tags are problematic! Not only may their AF numbers be difficult to decipher, but the dermestid beetles will eat the tags, making it impossible to correctly identify the carcass. Please be sure to keep specimen tags as clean as possible. When drying the carcass keep the tag off of the body.
- 2) Try to keep carcasses from touching each other while they are drying. Upon their separation, legs or other body parts may break off from their owner and be associated with the wrong animal.
- 3) Remove eyeballs and tongue from all skulls. Remove brain from animals larger than a vole.
- 4) Tie legs and feet to skull in the appropriate manner.
- 5) Carcasses need to dry and be fly-free. Weather may hinder the drying process and the carcasses may become slightly moldy. To help dry the carcasses, hang them up in the prep tent during prepping sessions. Heat generated from propane lamps may aid in drying of the carcasses.
- 6) Keep flies and maggots off of the carcasses. Remove any maggots from the carcasses. Carcasses that are overcome with maggot infestations can be placed in ethanol. This will kill the maggots. Try to avoid maggot infestations!
- 7) Carcasses are potential bear snacks and they need to be stored out bear access at night and when away from camp. Placing carcasses in a box suspended from a tree works well. In addition, you may need to place them in the bear-proof container.
- 8) Attach an accession label to the carcass wire ring so that they will be easily sorted and processed at the museum.

How to Fill Out an AF (NK) Sheet

The AF sheet is the key that links all the preparations and preserved materials from an individual animal together. Without a properly completed AF sheet, a sample may have no value. Therefore we urge you to read and understand the following protocols.

“AF sheets” are prenumbered catalog pages for the Alaska Frozen Tissue Collection. One AF number, and therefore one AF sheet, is assigned to each individual animal collected irrespective of the number of tubes of tissue that are preserved.

If embryos are sampled, or frozen whole in the tubes, they are considered separate individuals and given separate AF numbers. Their relationship to maternal samples should be noted. Generally these will not have a voucher apart from the mother.

Data from AF sheets are entered into the Mammal Collection database as soon as possible when specimens are received. We wish to facilitate access to the tissues and basic specimen data even while the rest of the specimen is still being processed but for this system to function, AF sheets must have reasonably complete information.

Pens: Ink should be black and of archival quality. We recommend using a Uniball Deluxe pen with black ink for AF sheets. An ultra-fine-point permanent Nalgene lab marker no 6310-0010, or ultra-fine-point Sharpie are used for writing on nunc tubes. Pencil is preferable to water soluble ink on AF sheets. Do **not** use sharpies on AF pages (it bleeds through).

Collector: The name of the person (or project) who acquired the specimen and their affiliation, if significant.

For example: Lester Newcomb, USF&WS; wolf control, ADF&G; John S. Chythlook.

Preparator: The name of the person who prepared the specimen, preferably the one who filled out the AF sheet. It would be helpful to include all of the person's initials if these are used as part of the preparator's number (below). This can be left blank if preparator and collector are the same person.

Field number #: This is the number that is used to associate different parts of the specimen, their associated materials, and data sheets. In lieu of personal collecting numbers, AF numbers can be used as the field number.

Species: Ideally this should be the scientific name of the animal, but please put in something. It is not essential that the identity be certain; we will identify the voucher specimen when it is catalogued.

Valid examples: *Myotis lucifugus*
Clethrionomys sp.

Sex: Self-explanatory.

Country/State: Self-explanatory. Valid examples: USA/Alaska Russia/Magadanskaya oblast Canada/Quebec

Quad: (for Alaskan specimens) U.S. Geological Survey 1:250,000 quadrangle name. Leave blank if unknown or if specimens were collected outside of Alaska. We can work it out if other geographic data are complete. See "latitude and longitude" for more on this.

District: Record islands, national parks, counties (for the contiguous United States), and game management units in this field.

Specific locality: The most precise description of the locality where the specimen was collected. This description should refer to permanent landmarks that are named on standard maps or in gazetteers. Consider whether or not your description of a locality will be clear fifty years from now to someone who has never been in the region. Roads, campgrounds, and cabins are ephemeral; cities, mountains, and rivers are more dependable.

Latitude & Longitude: We need geographic coordinates to relate specimen data to geographic databases. Coordinates are best determined by the collector, or someone with first-hand knowledge of the locality. The format in our database is degrees-minutes-seconds. If your data are more precise than the nearest minute, please make sure that your units are clearly labeled as seconds, decimal fractions of minutes, or whatever applies. The hemisphere is not necessarily obvious, especially in Chukotka or the western Aleutians. Please be sure to label longitudes with E(ast) or W(est) and latitudes with N(orth) or S(outh).

Authority: From where the latitude and longitude data were collected, such as a GPS, GNIS=Geographic Names Information System (United States), Orth = Daniel Orth's Dictionary of Alaska Place Names, 1:250,000 maps (accuracy to within one minute is adequate).

Date of death: The day that the specimen was collected or the date that it died, if these are not the same. Don't hesitate to elaborate if the situation is more complicated, for instance, when a stranded marine mammal is located, but the date of death is unknown. Dates should be in the format Day/Month/Year, with the month spelled out, *for example* 21 January 2000.

Date of preparation: The date that the tissues were removed from the animal. If this is left blank, we assume that it is the same as the date of death. Remember, day/month/year per the example 21 January 2000.

Nature of voucher: Indicate what, if anything, is being submitted as a voucher for the tissues. For mammals, we encourage a skull or skeleton for a voucher. We assume that a skull is included if “skeleton” is circled. For example, if you were submitting tissues from a vole, which had vouchered skin and skeleton, you would circle “skin” and “skeleton.”

Nature of voucher (Circle one or more): skin skull skeleton fluid-preserved whole frozen tissues only other

If no voucher is being submitted with the tissue, circle “tissues only.” If the specimen is a whole frozen embryo, in a cryotube, circle “whole frozen.”

Preserved material: Indicate the number of tubes of each tissue that were preserved. If heart and kidney were frozen together in one tube, write “1” under #tubes for “heart & kidney” and “Fz” for frozen, under pres.

Preserved	#tube	pres	Preserved	#tube	pres
heart			blood		
kidney			karyotype		
heart & kidney			ecto parasites		
H, lung, spleen	1	FZ	nematode		
Liver	1	FZ	cestode	1	70%
spleen			coccidia		
lung			other (GI)	1	FZ
muscle			other ()		

Heart and kidney should only be frozen together if there is not enough of either one to fill cryotube. If the specimen is an embryo, write “embryo” in the blank for “other.”

Pres: Indicate method used to preserve tissues. Abbreviations such as Fz (frozen), Form (formalin), EtOH (70% ethanol), can be used.

Parasites: Collected parasites should be labeled with the host’s AF number. On the AF sheet, please indicate the type of parasite and the method of preservation.

Other: Please list associated materials that were saved. This might include stomach samples, feces, ear clippings, etc.

Condition of tissues: We ask that you grade the tissues on a scale of one to five for freshness. We realize that this determination is subjective.

Condition of tissues (circle one): (poor) 1 2 3 4 5 (excellent)

5 - The best tissues. These were taken from a freshly killed animal and put into liquid nitrogen. The animal should not have been dead for more than thirty minutes. Such tissues would presumably be useful for virtually any kind of biochemical analysis.

4 - These are tissues taken from animals only a few hours postmortem at cool temperatures. Such tissues should not have been previously frozen and thawed.

3 - These are tissues taken from an animal that has been dead less than sixteen hours at cool temperatures, or tissues taken from an animal that was hard frozen soon after death and then thawed for preparation. Fur is not slipping.

2 - These tissues may be beginning to show signs of decomposition.

1 - These tissues are flaccid and thoroughly autolyzed. They probably stink.

Relationship: This field relates biological individuals.

An embryo is related to its mother:

Relationship: embryo of# AF 32145

A mother is related to its embryos:

Relationship: mother of# AF 32146

Repro condition: Record reproductive condition of the specimen; size of testes, number and size of embryos, condition of mammary tissues, etc.

Measurements: Record standard biological measurements. Lengths are recorded in mm, and weight in grams. Any deviation from these units should be indicated after the recorded measurement. Standard measurements for mammals are:

Total length: (with mammals on its back) Measure specimen from tip of nose to tip of fleshy part of tail.

Tail length: (mammal on stomach) Bend tail at a right angle, measure from the bend on the back to tip of the fleshy part of tail.

Hind foot length: (from bottom of the foot) Measure from heel to the end of the longest toe (include toenail).

Height of ear from notch: Measure from notch at bottom of ear to outer edge of ear

Remarks: Feel free to expand on the information given elsewhere, or to add information about the specimen that might be relevant. The back of each AF page should be used for additional information.

How to Fill and Label Cryotubes

In the Alaska Frozen Tissue Collection, tissue samples are stored in 1.8 milliliter plastic cryotubes. These should be labeled with an ultra-fine Nalgene lab marker no. 6310-0010 or a ultra fine "Sharpie" permanent marker prior to cooling. If the tubes are not labeled before cooling, it will be necessary to rewarm the tubes in order to write on them.

The standard tissues saved on birds and mammals are heart, kidney, liver, and spleen. For small species entire organs are often stored in one tube. For larger animals, only a subsample of the organ will fit in a tube. In some cases, muscle, skin, or blood may be the only tissues collected.

Specimens should be kept clean, but are not expected to be sterile. It is especially necessary to avoid cross contamination between individuals. Tiny amounts of DNA from another specimen can be amplified and corrupt results. Therefore, instruments and work surfaces should be cleaned after each individual is sampled. We use a ten percent solution of chlorine bleach in water to clean off instruments. The instruments are wiped dry, then rinsed in clean water, and

then wiped until dry with clean tissue paper. Bleach destroys DNA and is an excellent disinfectant. Alcohol preserves DNA and therefore should not be used to clean instruments.

Tube Cap Colors:

Red = Heart, Kidney, Spleen, and Lung, together in one tube -to MSB.

Orange = Kidney (by itself, not with heart) *Yellow* = Liver- To UAM

Gray = Spleen *Lavender* = Brain

White = Whole frozen Embryo or Parasites

Common Problems:

Over filling: Tubes that contain too much tissue will split when the tissue freezes and expands. Observe the fill line (approximately 2/3 full) when preparing large samples.

Loose caps: Caps may come loose and the samples may come out of the tubes. Please tighten caps firmly. This is particularly important when tubes are traveling in Dewar flasks of liquid nitrogen,

Inadequate labeling: Sloppy handwriting and faulty writing implements are major problems. Write the AF number on the tube at least twice, and on the cap once. Don't try to write on greasy, wet, or frozen tubes. Writing may be worn off of tubes if they are subjected to a lot of agitation while traveling in liquid nitrogen. This problem occurs with bags used to presample the tissues as well. Bags should be clearly labeled and if possible, a label should be included in the bag with the sample. Be sure to avoid cross contamination among bagged tissues and try to collect samples large enough so that we can obtain a cleanly trimmed final sample.

How to Preserve Samples in Ethanol for DNA Analysis

While not as useful as fresh frozen tissues, samples for DNA analysis can be preserved in ethyl alcohol (in a pinch, even everclear or vodka works satisfactorily):

- 1) Take about 0.3 grams of tissue (about the size of a pea). Nick it several times with small scissors or a sharp knife to increase the rate of alcohol penetration. It is not necessary or desirable to cut it into smaller pieces.
- 2) Place the sample in a cryotube and fill the tube to the fill line with 95% ethanol. Cap the tube tightly and agitate enough to be certain the sample is floating free in the tube.
- 3) Several hours later (overnight) drain off the alcohol and replace it with fresh. This is done because the water in the tissue has diluted the alcohol. This is especially important if using vodka or other alcohols that are initially less than 95%. Cap the cryotube tightly because the ethanol is quite volatile.

Be extremely careful when labeling the tubes if you use a Sharpie marking pen. Alcohol will dissolve this ink. If possible, place samples from an individual into a separate container with an alcohol-proof label (pencil or Uniball Deluxe pen on waterproof paper works well) or attach such a label to the vial. If you are storing the vials in a cryobox it is also possible to make a map of the locations of individual tubes in the box. Just make sure that they do not get rearranged. Wrapping a rubber band around the box helps prevent disastrous accidental box openings.

How To Preserve Frozen Tissue Samples

Archive Frozen Tissue Samples

Voles, Shrews, and Bats:

- 1 tube of *heart, lungs, spleen, kidneys* (RED caplet) for **MSB**.
- 1 tube of *liver* (YELLOW caplet) for **UAM**.

Squirrels, Marmots, Pikas, Hares, and Weasels:

- 1 tube *heart* (RED caplet) for **MSB**
- 1 tube *liver* (YELLOW caplet) for **UAM**
- Additional tubes can be taken, i.e., *kidneys* (ORANGE caplet) and *spleen* (GRAY caplet) on any rare captures (like marmots).

Embryos:

- *Embryos are assigned an unique number, not the number of their mother.*
- 1 tube per litter of *embryos* is preferred (WHITE caplet).
- Use additional tubes (with the same NK number) as needed if all of the embryos can not fit into one tube.
- Use only one NK number per batch of embryos.

Tissues are to be sampled for the frozen tissue collection from about 30 specimens of a given species from any one locality. If more are collected, specimens are to be preserved as alcoholic (or alcoholic and skulls) with their organs left in the carcass. Use your judgement on this. If you collect more than 30 of one species from one locality and feel that there is a reason to freeze tissues from additional specimens (diseased tissues, rare species, contact zone between species, unusual morphology, etc.) then do so.

Other Frozen Samples

Hanta samples from rodents

- Place lungs into the tube last so that they are easily accessible for sub-sampling
- If lungs are too big to be included with H,K, and Spl then use an additional tube for the lungs and write "lung" on the tube (no caplet).

Brain from marmots:

- Collect some brain tissue from marmots (LAVENDER caplet).

Endoparasites:

- Frozen endoparasites (nematodes) WHITE caplets.

How to Necropsy

Stomach: Open in a dish of water, examine for nematodes. These are usually associated with the lining of the stomach and are on the outside of the stomach contents.

Lungs: First remove the left half of the lungs for hanta virus (see later) and freeze: be careful and use sterilized forceps only (70% ethanol and cigarette lighter). Label nunc "Hanta". Visually examine rest of lungs for nematodes. These may appear as small tan lesions on the surface and extending deeper into the lung tissue. If nematodes are present freeze ¼ lung in nunc tube (white caplet) and label Lung/Nematode. One rare genus, *Angiostrongylus*, can be found in the big arteries of lungs.

Bladder: Open bladder in petri dish and examine contents under dissecting microscope.

Other Organs/Tissues: Basically parasites can occur in almost any organ- generally they are most abundant in the GI tract, but other organs including the liver (and gall bladder), etc., and the body cavity, should be examined (see Gardner protocols). Liver cysts or other Taeniid larvae loose in the coelom or thoracic cavity should be preserved in 70% ethanol.

Important: Remember that all dishes, and dissecting instruments have to be completely clean and dry between animals. Wash and then rinse with ethanol. Tips of probes, scissors and micro-forceps can also be passed briefly through a flame after dipping in ethanol.

Parasite Handling and Preservation

Cestodes- (All mammalian taxa excluding shrews): Following collection from the small intestine, each specimen should be held in filtered water for an extended period (minimum 2 hours, preferably more). This allows the tapeworm to fully relax, which is necessary to examine the internal structure of the proglottids. **Following relaxation and death in water, all strobilate adult tapeworms will be preserved in 70% ethanol.** Preservation should be done flat for large tapes including *Andrya* and some *Hymenolepis* in rodents; this is done by leaving the cestodes in a dish of ethanol overnight, and transferring the specimen to a vial the following day. Use the appropriate size vial for the specimen so there is sufficient preservative (a ratio of about 5:1 in volume for preservative relative to the specimen is maintained). The preservative should be changed once after 24 hours. Some tapeworms in *Microtus* are quite large (up to 20 cm). so be certain to use the proper size vial- one that is large enough for the worm and a sufficient amount of ethanol. Note the location of cestode in the intestine and record in the NK book. If problems with vial size, a big tape can cut in two parts and preserved in two vials. Use one number with a and b, mark on the notes.

Digenia (Flukes): Flukes can be relaxed in filtered water, which often allows specimens to expel eggs that might otherwise obscure some organs. Preserve flukes in 70% ethanol: (or alternatively, freeze in LN2 (white caplet)); if there are large numbers do both. Keep parasites from different organ systems separate.

Nematodes: Nematodes should not be held in water for extended periods of time, as Osmotic pressure will eventually cause the specimen to burst. Specimens should be washed in water or saline and then preserved in 70% ethanol or frozen in LN2 (white caplet) if there are large numbers do both. Keep parasites from different organ systems separate.

Enteric Coccidians: Fecal samples to isolate coccidia should be taken from select species of

mammals. Collect a few pellets from the rectum or a scraping from the caecum/large intestine, crush the pellets and put in potassium dichromate (20/0 solution). **Important:** 1) Do not overfill the vial, oxygen is necessary for survival of the coccidia, and 2) the specimens should not be frozen.

Brain tissue, Marmota: Collect some brain tissue for freezing (LAVENDER caplet).

Protocols for Ectoparasites: Examine pelage for ticks, fleas and mites. Wash collection bag with 70% ethanol, then cut corner of bag and let contents drain into a small vial. Add ecto juice to fill. Comment in the NK book the condition of the animal (as to whether or not the animal was wet vs. dry). **Do not re-use collection bags!!**

Protocols for Hanta Virus: Focus on the following rodents: *Clethrionomys*, *Lemmus*, *Dicrostonyx* and *Microtus*. Be sterile. The rodent's left lobes of lungs are frozen in a single tube do not include with other organs; mark tube as Hanta use no caplet (these will go with Henttonen for later screening).

Protocols for Schistosomes: (E.S. Loker) Examine closely the mesenteric veins for any unusual trematode-like forms.

Tissue- Cyst Forming Coccidia: Typically these will be found in old arvicolines. *Sarcocystis* may be present on the peritoneum and in the musculature of the hind legs as whitish thread-like structures; if observed in the peritoneum, preserve some hind-leg musculature in 70% ethanol. *Frenkelia* may be present in the brain; cysts are easily seen as whitish spots (0.5-1.0 mm) on the surface of the brain. Do not collect from specimens with intact skulls destined for the Museum. In animals with broken skulls: first remove the upper part of the skull by cutting the bone between the eyes; remove skin from the eyes backwards; cut the skull (but not the brain) starting from the eyes along the sides, and then lift the top from the anterior part exposing the brain. If present, cysts (whitish spots) will be visible; remove brain with forceps; slice into 2 or 3 parts; preserve in 70% ethanol. Remember to save the dentition from these animals.

Trapline Data Sheet



NATIONAL PARK SERVICE SMALL MAMMAL INVENTORY

Collectors _____ Date Set _____ 2004

National Park: _____

Locality _____



Lat (decimal) _____ Long (decimal) _____ Elevation(m) _____

Source GPS Datum _____ Maximum Error(m) _____

 LINE# _____ TRAPS _____

HABITAT (canopy, shrub, grass & forb):

DATE				
TEMP				
PRECIP				
SKY				
CAPTURES				
	Embryos:	Embryos:	Embryos:	Embryos:

TOTAL CAPTURES:

TOTAL TN:

Accession:

Sample AF Page

AF 52125

ALASKA FROZEN TISSUE COLLECTION University of Alaska Museum

Collector: S.O. MacDonald et al
 Preparator: _____ Field #: _____
 Species: Clethrionomys rutilus Sex: M (F)? ^{adult}
 Country/State Alaska Quad: Charley River
 District (e.g. island, county, Nat'l Park): YUCH
 Specific locality: 12.5 Km ENE Kathul Mt.
 Latitude: 65° 22.231' N Longitude: 142° 00.748' W Authority: GPS
 Date of death: 26 July 2001 preparation: _____
Nature of voucher (Circle one or more): skin skull skeleton
 fluid-preserved whole frozen tissues only other _____

Preserved tissue	#tubes	pres	Preserved tissue	#tubes	pres
heart			blood		
kidney			karyotype		
heart & kidney			ectoparasites	1	F090
H, lung , spleen	1	FZ	nematode		
Liver & kidney	1	FZ	cestode		
spleen	1	alsew	coccidia	1	COCC
lung			other(<u>Henta</u>)	1	FZ
muscle			other()		

Condition of tissues (Circle one): (poor) 1 2 3 (4) 5 (excellent)

Relationship: mother of # _____

Repro condition: 6 embryos (1L, 5R) CR=13x12

Measurements (total-tail-hindfoot-cfn-weight): 127 - 27 - 18 - 14 = 29.2g

Remarks _____

Museum use: Collection: _____ UAM# _____ Accession # 2001.044

PERMANENT ARCHIVAL RECORD - Please use permanent ink and return to University of Alaska Museum, Fairbanks, AK 99775-6960



KEY TO ORDERS OF ALASKA SMALL MAMMALS

• Body very small, snout relatively long and slender pointed, eyes tiny, 5 clawed toes on forefeet; needle-sharp teeth in a continuous row; zygomatic arches and auditory bulla absent
 **SHREWS** (INSECTIVORA)

• Body larger, snout blunter, 4 clawed toes on forefeet; 2 pairs of large, curved, chisel- like incisor teeth visible in front of the mouth with a large space (diastema) between incisors and the row of cheek-teeth; zygomatic arches and auditory bulla present
 **RODENTS** (RODENTIA)

KEY TO THE SHREWS OF ALASKA

1. • Only 3 unicuspid teeth clearly visible when viewed from the side (3rd and 5th unicuspids tiny)
 **Sorex hoyi**
 - 4-5 unicuspid teeth visible when viewed from the side **2**
2. • 3rd unicuspid tooth noticeably smaller than the 4th **3**
 - 3rd unicuspid tooth equal to or larger than the 4th **4**
3. • Total length usually greater than 130 mm; Skull length usually greater than 19 mm; pelage gray-black; fringe of stiff hairs on hind feet **Sorex palustris**
 - Total length less than 130 mm; Skull length less than 19 mm; pelage brownish; hind feet without fringe of stiff hairs **Sorex monticolus**
4. • Post-mandibular canal on the jaw well developed; 3rd unicuspid tooth noticeably larger than 4th; 5th clearly visible and pigmented **5**
 - Post-mandibular canal absent; 3rd unicuspid tooth equal or nearly equal to 4th; 5th inconspicuous and unpigmented **6**
5. • Body tiny (usually less than 80 mm, tail less than 28 mm, hind foot less than 10 mm); 1st unicuspid noticeably larger than 2nd; 2nd about equal to 3rd; pelage indistinctly tricolored without sharply contrasting dorsal stripe **Sorex yukonicus**
 - Body much larger (usually greater than 90 mm, tail greater than 30 mm, hind foot greater than 12); 1st unicuspid smaller than 2nd; 2nd noticeably larger than 3rd; pelage distinctly tricolored with sharply contrasting dorsal stripe **Sorex tundrensis**
6. • Found only on islands in the Bering Sea **7**

- Not as above 8
7. • Known only from St. Paul, Pribilof Islands **Sorex hydrodromus**
- Known only from St. Lawrence Island **Sorex jacksoni**
8. • Skull length usually less than 15 mm; tail short (usually less than 30 mm), light (pale brown above, whitish below), with a blackish terminal tuft; pelage tricolored with light color of underparts extending far up the sides, with brown back forming a well-defined dorsal stripe
..... **Sorex ugyunak**
- Skull length usually greater than 15 mm; tail longer (usually greater than 30 mm), darker, and lacking a dark terminal tuft; pelage usually bicolored lacking a distinct dorsal stripe
..... **Sorex cinereus**

KEY TO THE SMALL RODENTS OF ALASKA

1. • Hind legs considerably longer than frontlegs; tail very long in relation to body size, usually greater than 125 mm; infraorbital canal of skull large and oval; 4 upper cheek-teeth that includes a small premolar (DIPODIDAE) 2
- Frontlegs and hindlegs equal in size; tail length variable relative to total size; infraorbital canal smaller, being much wider at the top than at the bottom; 3 upper cheek-teeth (MURIDAE)
..... 3
2. • Length of upper cheek-tooth row greater than 3.7 mm; incisive foramina longer than 4.7 mm; posterior portion of septum dividing the incisive foramina very thin **Zapus princeps**
- Length of upper cheek-tooth row less than 3.7 mm; incisive foramina shorter than 4.7 mm; posterior portion of septum dividing the incisive foramina broad **Zapus hudsonius**
3. • Mouse- and rat-like with a slender body, pointed snout, well-developed hind legs, large eyes, prominent ears, and a long tail; cheek-teeth cuspidate or, if cusp pattern not apparent, flat-crowned and prismatic not arranged as alternating triangles 4
- Vole-like with a stout, furry body, blunt snout, short legs, small eyes, ears frequently hidden by long pelage, and tail relatively short; cheek-teeth without rows of cusps on crown; crowns flat with alternating triangles or “puddles” filled with dentine and surrounded by enamel
..... 7
4. • Cheek-teeth appearing prismatic and flat-crowned; tail well furred and bushy **Neotoma cinerea**
- Cheek-teeth clearly cuspidate; tail without hair 5

5. • 2 rows of cusps running down the crowns of the tooth row *Peromyscus keeni*
..... 6
- 3 rows of cusps running down the crowns of the tooth row 6
6. • Total length greater than 300 mm; 1st upper cheek-tooth (M1) about equal to or less than combined length of M2 and M3 *Rattus norvegicus*
..... 6
- Total length less than 200 mm; M1 length greater than combined length of M2 and M3
..... *Mus musculus*
7. • Tail very short, about as long as the hind foot; lower incisors set inward from the cheek-teeth, and ending in a horizontal projection opposite or in front of the socket of the last lower molar 8
- Tail length variable but clearly extending past the hind feet when legs outstretched; lower incisors passing from the tongue to the lip sides of the cheek-teeth and ascending back to within or near the condylar process 10
8. • Pelage uniformly grizzled brown above, grayish below; upper incisors deeply grooved with projecting outeredges *Synaptomys borealis* (p.xX)
..... 9
- Pelage more colorful; upper incisors not grooved 9
9. • Chestnut-brown above and without black stripe down back; cheek-teeth relatively simple with few loops; inner salient angles of upper molars and outer angles of lower molars smaller than those of the opposite side; robust skull lacking squamosal peg inside orbit *Lemmus trimucronatus*
..... 10
- In summer, buff-gray above with black stripe down back, buff-gray to white below, pale or tawny ruff across throat; turn all white and develop digging claws in winter (except on Unalaska Island); cheek-teeth complex with many loops; inner and outer salient angles approximately equal in size; prominent squamosal pegs project laterally forward into orbits of the skull *Dicrostonyx groenlandicus*
10. • Pelage rust-reddish above; skull relatively rounded and light, zygomatic arches relatively slender and the mandibles weak; outer angles of cheek-teeth rounded, without a “heel” projecting posteriorly on the last upper molar (M3) 11
- Pelage color not as above; skull relatively angular and more massive, zygomatic arches and mandibles more robust; outer angles of cheek-teeth pointed, with a “heel” projecting posteriorly on the M3 12

11. • Tail short, thick, with closely set bristly hairs; post-palatal bridge usually incomplete in adults, and always incomplete up through 1st year ***Clethrionomys rutilus***
- Tail longer and more slender, with short hairs except at tip where hairs longer; post-palatal bridge always complete, even in half grown young ***Clethrionomys gapperi***
12. • Flanks and venter buffy in color; ear spot usually buff or tawny; tail very short (less than 28 mm) and heavily furred and tipped with stiff tawny hairs; skull light, long, narrow and flat; prominent interorbital keel in adults, with this region being depressed **13**
- Pelage color not as above; tail longer (more than 28 mm); skull more rugged as less long, narrow and flat appearing; no prominent interorbital keel or depression **14**
13. • Hind foot greater than 21.5 mm; known to occur only on St. Matthew and Hall islands, Bering Sea ***Microtus abbreviatus***
- Hind foot less than 21.5 mm; inhabits the mountains on the mainland ***Microtus miurus***
14. • Adults exceptionally large (often 200+ mm in length, 100+ grams in weight); whisker area conspicuously rusty-yellowish in color ***Microtus xanthognathus***
- Adults smaller, without conspicuous rusty-yellow snout **15**
15. • Cheek-teeth (usually black in color) rooted in adults; re-entrant angles on the inner side of the lower molars deeper than those on the outer side (Fig. 3) ***Phenacomys intermedius***
- Cheek-teeth not rooted in adults; re-entrant angles on the inner side of the lower molars approximately equal in depth **16**
16. • Tail averaging 1/3 or more of total length ***Microtus longicaudus***
- Tail averaging less than 1/3 of total length **17**
17. • 2nd upper molar (M2) with 4 closed triangles and a posterior loop ***Microtus pennsylvanicus***
- M2 with 4 closed triangles and no posterior loop ***Microtus oeconomus***