



WOLVERINE PROJECT

WILDLIFE PROTECTION PLAN

2009 ANNUAL MONITORING REPORT

Prepared for:

Wolverine Project Wildlife Technical Committee

Yukon Energy, Mines and Resources

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1 Introduction

Yukon Zinc Corporation's (YZC) Wolverine Project is located in the southeast Yukon within the Kaska Traditional Territory (Figure 1-1). Commencing in spring 2009, YZC actively implemented wildlife protection measures and monitoring programs as per *Wildlife Protection Plan V2009-01 (WPP)*. The *WPP* was approved in April 2009 by Yukon Energy, Mines and Resources under Quartz Mining License QML-0006 Section 12.3. The *WPP* describes YZC's commitments for minimizing and managing impacts from routine mine activities, presents a framework for the wildlife monitoring programs, provides the process of improving mitigation and management measures through the process of adaptive management, and outlines reporting requirements.

The purpose of the 2009 monitoring programs was to characterize baseline conditions against which subsequent monitoring programs during the operations phase will be compared. This report provides an overview of the Wolverine Project site activities in 2009, and a detailed summary of the activities and wildlife monitoring programs that were completed in 2009.



Figure 1-1: Wolverine Project Location, Yukon

1.1 Project Development

The focus of YZC's activities in 2009 was the development of the Wolverine Project for operation in mid 2010.

Mine surface infrastructure construction commenced in January 2009 with underground development starting in April 2009. Construction activities included the following:

- Access road improvements (widening, grading, ditching, and defining shoulders)
- Installation of a 246 person camp and services (potable water and sewage treatment plants);
- Excavation and lining of diversion and collection ditches and water treatment sumps;
- Establishment and operation of quarry area and concrete batch plant;
- Excavation and grading of mill area followed by erection of crusher, mill, and concentrate load out buildings and installation of mechanical, piping, and electrical services;
- Installation of diesel fuel and propane storage tanks, and diesel generators
- Excavation of landfill and construction of waste storage areas, installation of incinerator and bear fence at landfill area;
- Excavation of tailings facility diversion ditches, construction of the starter dam, lining of 520,000 m³ impoundment, and installation of reclaim and tailings pipelines; and,
- Underground mine ramp, stope and ventilation raise development.

2 Summary of 2009 WPP Programs

Provided below are summaries of the activities completed in 2009 that fulfill YZCs commitments outlined under *WPP Section 4: Wildlife Protection Procedures*, including wildlife safety training and consultation with the local outfitting concession holder. A summary of Wildlife Technical Committee (WTC) involvement is also provided below and results from the 2009 monitoring programs are provided in Section 3.

2.1 Wildlife Safety Training

Under *WPP Section 4.1: Protection Procedure 1*, YZC committed to providing mine personnel and contractors with wildlife safety training. During site orientation training for all employees, contractors and visitors, wildlife protection measures and reporting requirements were briefly outlined. Specific wildlife safety training sessions were conducted by the YZC Environmental Department at the Wolverine Mine on October 3 and 24, 2009, with a total of 36 YZC staff and contractors in attendance.

Questions and open discussion during the training programs centered on the wildlife protection procedures and monitoring programs. Specific discussions included:

- The importance of reporting wildlife observations and locations where wildlife are seen most frequently at the mine site.
- Discussion about monitoring, sampling methods, frequency, and related technical details;
- Selection rationale for monitoring programs (e.g., vegetation, small mammals);

- Whether local community members were permitted to hunt in the area; and,
- Clarification on whether wildlife incident reporting applies to all species.

2.2 Consultation with Local Outfitting Concession Holder

Consultation with the local outfitting concession holder, Teslin Outfitters, was completed by YZC on June 23, 2009 as identified by the *WPP Section 4.2: Protection Measure 3*. The outcome of YZC's discussion with Teslin Outfitters indicated that YZC's exploration and operational activities (aircraft, mining, and transport) were outside of Teslin Outfitters active outfitting areas for 2009.

2.3 Summary of Wildlife Technical Committee Activities

In late 2008, the Wildlife Technical Committee (WTC) was formed with representation by YZC, Ross River Dena Council, Liard First Nation and Yukon Environment. WTC meetings were held in the form of teleconferences for the development of the *WPP* in early 2009. After the *WPP* was approved by Energy, Mines and Resources in April, a field tour was organized and held at the Wolverine Project site on July 9, 2009. The tour was attended by representatives from Ross River Dena Council, Yukon Environment, and YZC. Liard First Nation representation to attend the tour was requested but no representative was identified. The tour provided an opportunity for WTC members to meet face-to-face, to become familiar with the project site, to provide a forum for discussing wildlife concerns associated with project advancement, and to review small mammal trapping locations, winter transect locations, and possible reference study areas for waterfowl monitoring.

3 Wildlife Monitoring Programs

The wildlife monitoring programs initiated in 2009 as outlined in *WPP Section 5* include:

- Wildlife Records Program
- Winter Wildlife Monitoring Program
- Vegetation Metals Program
- Small Mammal Metals Program

The description for each program includes the study area, sampling locations, methods, and results. Recommendations for program modifications are included in Section 3.8.

The Tailings Facility Monitoring Program to monitor waterfowl and shorebird occurrence will be initiated in spring 2010 as per *WPP Section 4.5*. Nevertheless, as water from the underground mine was discharged to the facility starting in early October 2009, frequent monitoring around this area was conducted for wildlife (not only for waterfowl and shorebirds due to season) presence or sign as described in Section 3.2.

3.1 Wildlife Research Permits

As per correspondence with the Yukon Heritage Branch on June 20, 2009, commercial projects, including mining developments, are no longer required to obtain a *Scientists and Explorers Permit* from Yukon Heritage Branch prior to applying for and being issued a *Wildlife Research Permit* from Yukon Environment. Subsequently, YZC applied for and received a Yukon Environment Wildlife Research Permit (Permit No. 0056) on June 26, 2009 to conduct studies under the wildlife monitoring programs. A copy of the research permit is provided in Appendix A.

3.2 Wildlife Records Program

The Wildlife Records Program consists of reporting of wildlife incidents and reporting of wildlife observations within the mine site area and along the access road (see *WPP Figure 2* for a map of project infrastructure). The information collected from this program provides incidental data on wildlife occurrences to identify existing and/or potential issues and/or areas of concern in relation to project components. This program was initiated in January prior to the *WPP* approval and implementation. Detailed methods for reporting wildlife incidents and observations are provided in *WPP Appendix C*.

3.2.1 2009 Wildlife Incidents

Wildlife incidents, including traffic accidents and near misses, were reported to Site Management as soon as they occurred. One wildlife incident occurred on December 20, 2009. The incident involved a group of ptarmigan that were startled by a contractor's truck along the road between the camp pad and generators. When the birds flew up from the road, one of the ptarmigan hit an unpowered power line, resulting in mortality.

3.2.2 2009 Wildlife Observations

Wildlife observations, including observations of wildlife behaving in a normal way and wildlife sign, were reported to Site Management, crew Supervisors, and/or recorded in the Wildlife Log located in the camp kitchen. Between January and December 2009, 23 wildlife species (Table 3-1) were documented in proximity to the exploration camp, mine site, camp complex, tailings facility, landfill, and access road.

Table 3-1: Wildlife Species List from 2009 Reported Wildlife Observations

Common Name	Scientific Name	Common Name	Scientific Name
Woodland Caribou	<i>Rangifer tarandus caribou</i>	Porcupine	<i>Erethizon dorsatum</i>
Moose	<i>Alces alces</i>	Snowshoe Hare	<i>Lepus americanus</i>
Red fox	<i>Vulpes vulpes</i>	Ptarmigan	<i>Lagopus</i> sp.
Grey Wolf	<i>Canis lupus</i>	Bald Eagle	<i>Haliaeetus leucocephalus</i>
Marten	<i>Martes americanus</i>	Sandhill Crane	<i>Grus canadensis</i>
River Otter	<i>Lontra canadensis</i>	Owl	Unspecified species
Lynx	<i>Lynx canadensis</i>	Grouse	<i>Dendragapus</i> sp.
Beaver	<i>Castor canadensis</i>	Golden Eagle	<i>Aquila chrysaetos</i>
Red Squirrel	<i>Tamiasciurus hudsonicus</i>	Spruce Grouse	<i>Dendragapus canadensis</i>
Chipmunk	<i>Tamias</i> sp.	Trumpeter Swan	<i>Cygnus buccinator</i>
Coyote	<i>Canis latrans</i>	Duck	Unspecified species
Grizzly Bear	<i>Ursus arctos</i>		

Table 3-2 provides a summary by month and associated project infrastructure of all reported wildlife observations in 2009. The 2009 wildlife log for the incidental wildlife observation program is provided in Appendix B.

Few species were observed during the winter months between January and March. Only two species, red fox and grey wolf were seen in January associated with the access road and the road between the mine site and the exploration camp (km 28.5 – km 32), respectively. In February, moose were seen primarily along the exploration camp road between km 28.5 and km 32; three river otter were seen in Wolverine Lake; marten were seen in proximity to camp facilities, as were a large group of ptarmigan. Moose, marten, and lynx were reported in March:

the moose were seen in proximity to the Robert Campbell Highway and the marten were seen around the camp complex, and a lynx was observed near the airstrip.

In April, most of the wildlife observations were seen in proximity to the camp complex, which is where the majority of staff and contractors were based. Two moose were seen along the access road at km 13.5, and a lynx was seen at the junction of the access road with the Robert Campbell Highway. Red foxes were observed at both the portal and organic stockpile, which are associated with the industrial complex.

In May, observations of woodland caribou were reported on the mountain above the landfill and along the exploration camp road at km 30. Similarly, moose were seen feeding on the mountainside above the landfill and along the exploration road between km 30 and 31. A grizzly bear was seen along the ridge above the industrial complex. Wolves, marten, porcupine and grouse were reported along the access road. Other observations of furbearers, grouse, and eagles were seen at various locations at the project site. The first observations of migratory sandhill cranes were reported on May 4 flying over the camp complex.

The frequency of wildlife observations increased from May to June, and is likely associated with more people present at the project site. Moose were seen at multiple locations along the access road, at the Arctic Camp, along the exploration camp road and at the mine site. There were 26 moose observations reported in proximity to the landfill, most reports were comprised of multiple sightings of a cow and calf, two cows with three calves, and individuals feeding on the mountain above the landfill. In addition multiple sightings of caribou on the mountain above the landfill were reported. River otters were seen in Wolverine Lake, and the first observations of swans were reported in the lake across the valley from the access road at km 15. Various other species were seen associated with the project infrastructure (Table 3-2).

Wildlife reported in July were primarily observed along the access road. Caribou were reported at various locations along the access road, at the airstrip, and also on the mountain above the landfill and camp complex, and near Wolverine Lake. Similarly, moose were reported at various locations along the access road, the arctic camp, at the mine portal and also at the Exploration Camp. A beaver was seen at km 24 near an active lodge. A grizzly bear was seen foraging near the airstrip. Observation of other species included snowshoe hare, red fox, porcupine, wolf, golden eagle, and waterfowl. A lynx was seen along the access road at km 13.

Construction of the tailings storage facility was on-going throughout 2009 and wildlife monitoring near the facility commenced in July 2009 once the dam was nearing completion; wildlife were not seen in July or August likely due to the level of construction activity in the area. Appendix B also contains the monitoring log for the tailings facility area for the period of July 1 to December 31, 2009.

Table 3-2: Summary of Reported Wildlife Observations 2009

Species	No. Observations by Project Component						Species	No. Observations by Project Component						
	Exploration Camp	Km 28.5 - 32	Industrial Complex	Camp Complex	Landfill	Access Rd (km 1-24)		Exploration Camp	Km 28.5 - 32	Industrial Complex	Camp Complex	Landfill	Tailings Facility	
January												July		
Red Fox						1	Woodland Caribou	2 (Lake)		1		1		8, 3 (AS)
Grey Wolf		1					Moose	4		1 (PO)				4, 1 (AC)
February												August		
Moose		3					Snowshoe Hare		1					3 (AS)
River Otter	3						Beaver							1, 1 (AS)
Marten				1			Red Fox	1		1 (RD), 1		1		2
Ptarmigan				30			Porcupine				2	1		1 (AS)
March												September		
Moose						3 (RCH)	Grizzly Bear						3 (FL)	
Marten				2			Golden Eagle							8
Lynx			1 (AS)				Grey Wolf							1
April												October		
Moose						2	Grey Wolf							46
Lynx						1 (RCH)	Moose	6	2	4 (RD)				3 (AS)
Red Fox			1 (PT), 1 (OS)	3			Woodland Caribou			1 (RD)	7(RI)			
Red Squirrel				3			Red Fox		1			1		1, 2 (AS)
Chipmunk				1			Porcupine							
Bald Eagle				2			River Otter	1						
Eagle (species unknown)				4			Grouse							
Sandhill Crane							Eagle				1 (FL)			
Bird (species unknown)		2					Grizzly Bear	1			2 (RI)			
May												November		
Woodland Caribou		1				1	Black Bear						1 (RD)	
Moose	5					3	September							
Grizzly Bear			1 (RI)				Moose	4 (LWL)			1		1 (tracks only)	5 (AS), 2
Grey Wolf						1	Grizzly Bear							1 (RCH)
Marten						1	Porcupine							5
Red Fox	3						Woodland Caribou	20 (LWL)					1 (tracks only)	5, 8 (AC)
Red Squirrel				2			Red Fox							2
Porcupine	1	6	1			2	Lynx							1
Golden Eagle						1	Eagle		1 (FL)					1 (below dam)
Eagle (species unknown)			2				Sandhill Crane							1
Grouse (species unknown)		1				1	October							
Sandhill Crane					2 (FL)		Moose			2 (RD)			1 (tracks only)	1, 1 (AC)
June												December		
Moose	3	3			26	13, 2 (RCH), 3 (AC)	Bald Eagle			Grizzly Bear	2 (km 26.1)			1 (AS)
Chipmunk			3	1		1 (AS)	Lynx			Red Fox		2	6 (tracks only)	1 (AC), 1
Ptarmigan	1	1					Woodland Caribou							1 (AC)
Red Fox	1				2	1 (AC)	Wolf						1 (tracks only)	1 (AC)
Porcupine	2			1		1 (AS), 1	Marten						1 (tracks only)	1 (AC)
River Otter	2						November							
Spruce Grouse		1	2				Coyote			2 (PT)	3			
Snowshoe Hare						3	Moose							2
Woodland Caribou			3	2	26	3	Woodland Caribou							13
Eagle (species unknown)		1 (FL)			1		Ptarmigan	1			14			
Marten			1				Snowshoe Hare				1			
Swan						1	Red Fox				4		4 (tracks only)	
Owl (species unknown)						1	December							
Bear (species unknown)						2 (PL)	Lynx	1						
Duck (species unknown)			1				Marten				1			
							Moose							3 (AS)
							Red Fox				4		1 (tracks only)	

Acronyms: AS (airstrip), OS (organic stockpile), RCH (Robert Campbell Highway), PT (mine portal), RI (ridge), FL (flying), AC (Arctic Camp), PL (plateau), RD (road), LWL (Little Wolverine Lake)

Wildlife observations in August were comprised primarily of male and female wolves and pups between km 13.5 to 15 over multiple days. The estimates on the size of the pup group ranged from two to eight pups with at least one adult. A pair of adult wolves was also seen at km 18, as well as individual on the road up to km 18. Two grizzly bears were reported, one along the ridge above the camp complex and the other near Wolverine Lake. Caribou were seen along the ridge above the camp complex and along the road at the industrial complex. Moose were similarly reported along the road at the industrial complex, and also at the airstrip, along the exploration camp road and the Exploration Camp by Wolverine Lake. A river otter was seen at Wolverine Lake. Observations of birds included an eagle flying above the camp complex.

In September, the majority of observations were associated with the access road. In addition, moose were seen in proximity to the airstrip and camp complex, and four moose were seen near Little Wolverine Lake. A grizzly bear was seen crossing the Robert Campbell Highway near the access road gatehouse. Caribou were seen around the arctic camp and a group above the access road at km 18.5. Further, a group of 20 caribou was seen near Little Wolverine Lake. Other species observed included a lynx at km 7, an eagle flying over the exploration camp road, and porcupine and fox associated with access road. At the tailings dam, September observations comprised of a set of moose tracks. In addition, a set of caribou tracks and sighting of a migratory sandhill crane were seen below the tailings dam.

Fewer observations of wildlife were reported from October to December. The majority of observations in October were associated with the access road (road, arctic camp and airstrip) and the industrial complex. Most of the observations in November were similarly associated with the camp complex and access road. A group of thirteen caribou were seen near Go Creek, as well as two moose. Other species reported included coyote, ptarmigan, snowshoe hare, and red fox. Two sets of fox tracks were found at the tailings dam and another two sets near the reclaim pipe outlet within the impoundment.

Wildlife observations in December were of a lynx near the exploration camp, marten at the camp complex and three moose near the airstrip. Marten tracks were found tracking into and out of the tailings dam basin, in addition to raven tracks, six sets of fox tracks, two sets of moose tracks, and one set of wolf tracks in the area proximal to the tailings dam. One set of fox tracks were the only wildlife sign documented in December at the tailings facility.

3.3 Winter Wildlife Monitoring

Winter Wildlife Monitoring is scheduled to occur from October to April annually, as snow conditions permit, and at least once every four weeks. In 2009 winter wildlife monitoring transects were established in September and October with an additional transect established in December. As there was limited snow in October, transects were monitored during two survey periods in November and December 2009.

The study areas for the Winter Wildlife Monitoring Program include the Mine Site Study Area (MSSA), Putt Creek Study Area (PCSA), and Money Creek Study Area (MCSA) (Figure 3-1). The MSSA encompasses the Wolverine Project mine site, including mine portal, tailings facility, camp complex, industrial complex, airstrip, and landfill. The PCSA encompasses the access road that connects the mine site to the Robert Campbell Highway. The MCSA (referred to in the WPP as the Money Creek Reference Area or MCRA) is the reference control site for the program and encompasses the Money Creek watershed.

A total of 17,820 m of transects were established across the study areas (Figure 3-1); 7,800 m in the MSSA, 5,120 m in the PCSA, and 4,900 m in the MCSA. Field sampling was conducted

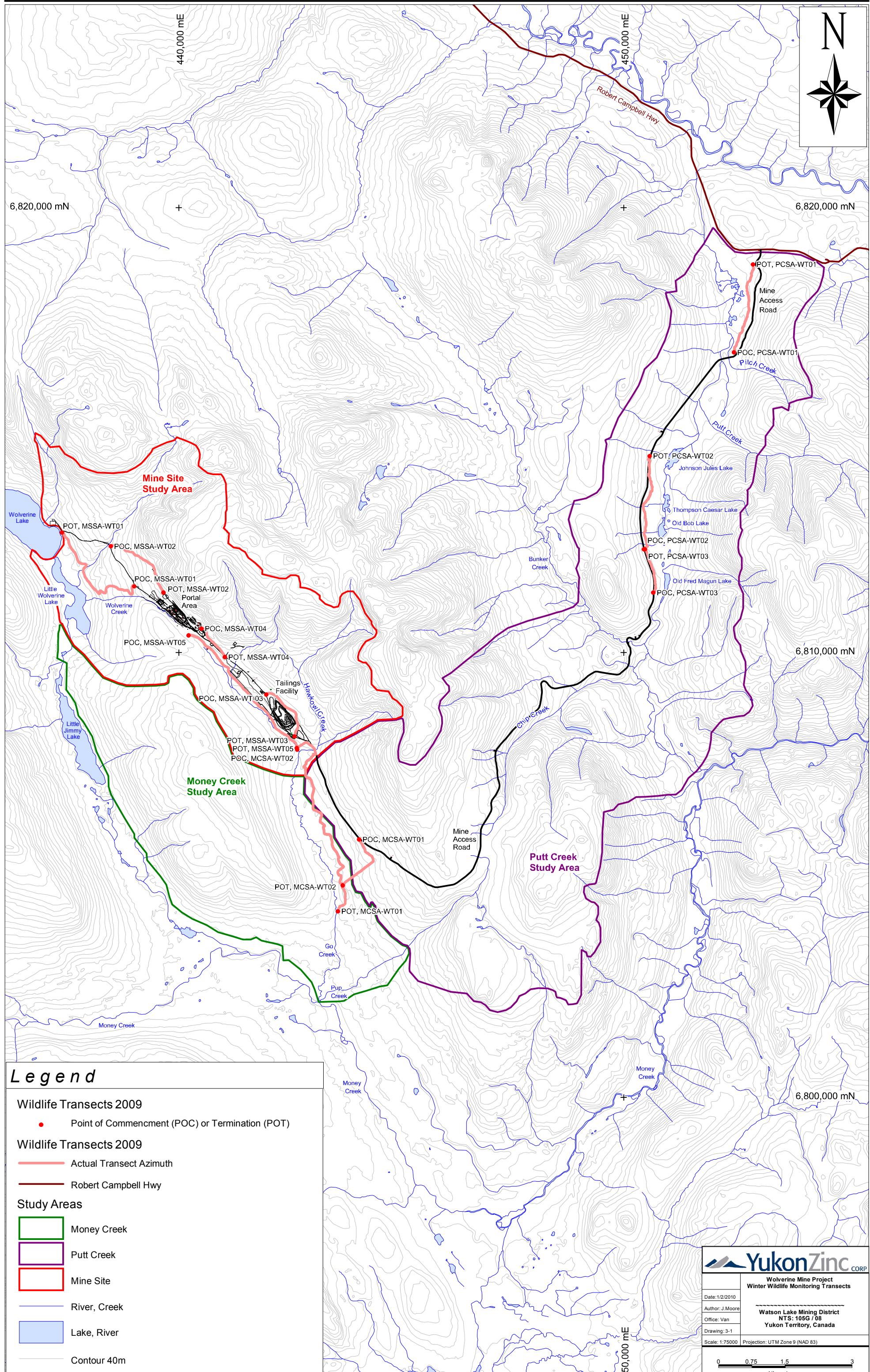
according to methods detailed in *WPP Appendix E*. All sampling was conducted by YZC personnel trained in the sampling methodology. Table 3-3 provides a summary of each of the monitoring transects and the 2009 sampling schedule.

Table 3-3: Winter Monitoring Transects Summary and Sampling Schedule

Study Area	Transect ID	POC Coordinates		POT Coordinates		Transect Length (m)	Sampling Schedule
		Easting	Northing	Easting	Northing		
MCSA	MCSA-WT01	444059	6805764	442561	6807991	1400	08-Nov, 11-Dec
MCSA	MCSA-WT02	443582	6804151	442561	6807991	3500	08-Nov, 11-Dec
MSSA	MSSA-WT01	439000	6811459	437381	6812665	2000	11-Nov, 02-Dec
MSSA	MSSA-WT02	438474	6812355	439661	6811320	1100	13-Nov, 02-Dec
MSSA	MSSA-WT03	441972	6809022	442606	6808088	800	09-Nov, 05-Dec
MSSA	MSSA-WT04	440513	6810504	441041	6809862	800	15-Nov, 05-Dec
MSSA	MSSA-WT05	440222	6810352	442661	6807797	3100	07-Nov, 11-Dec
PCSA	PCSA-WT01	452486	6816714	452914	6818695	2020	19-Nov, 07-Dec
PCSA	PCSA-WT02	450450	6812277	450600	6814375	2100	22-Nov, 04-Dec
PCSA	PCSA-WT03	450673	6811319	450450	6812277	1000	13-Dec

MSSA = Mine Site Study Area; PCSA = Putt Creek Study Area; MCSA = Money Creek Study Area; POC = Point Of Commencement; POT = Point Of Termination

The 2009 field program documented wildlife sign observed along the monitoring transects, as provided in Appendix C and shown in Figure 3-2 to 3-7.



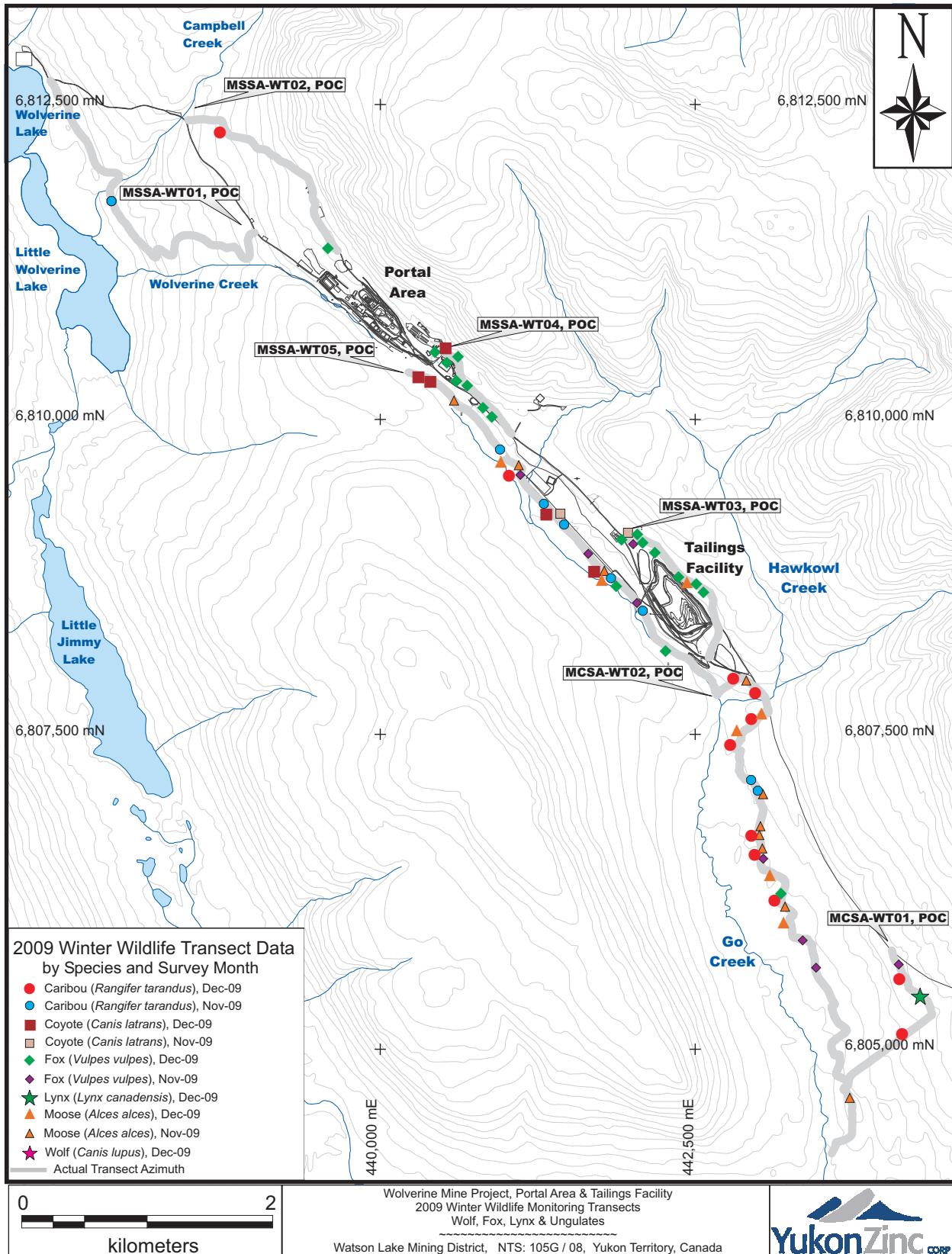


Figure 3-2: 2009 Winter Wildlife Transect Results in MSSA and MCSA for Wolf, Fox, Lynx and Ungulates

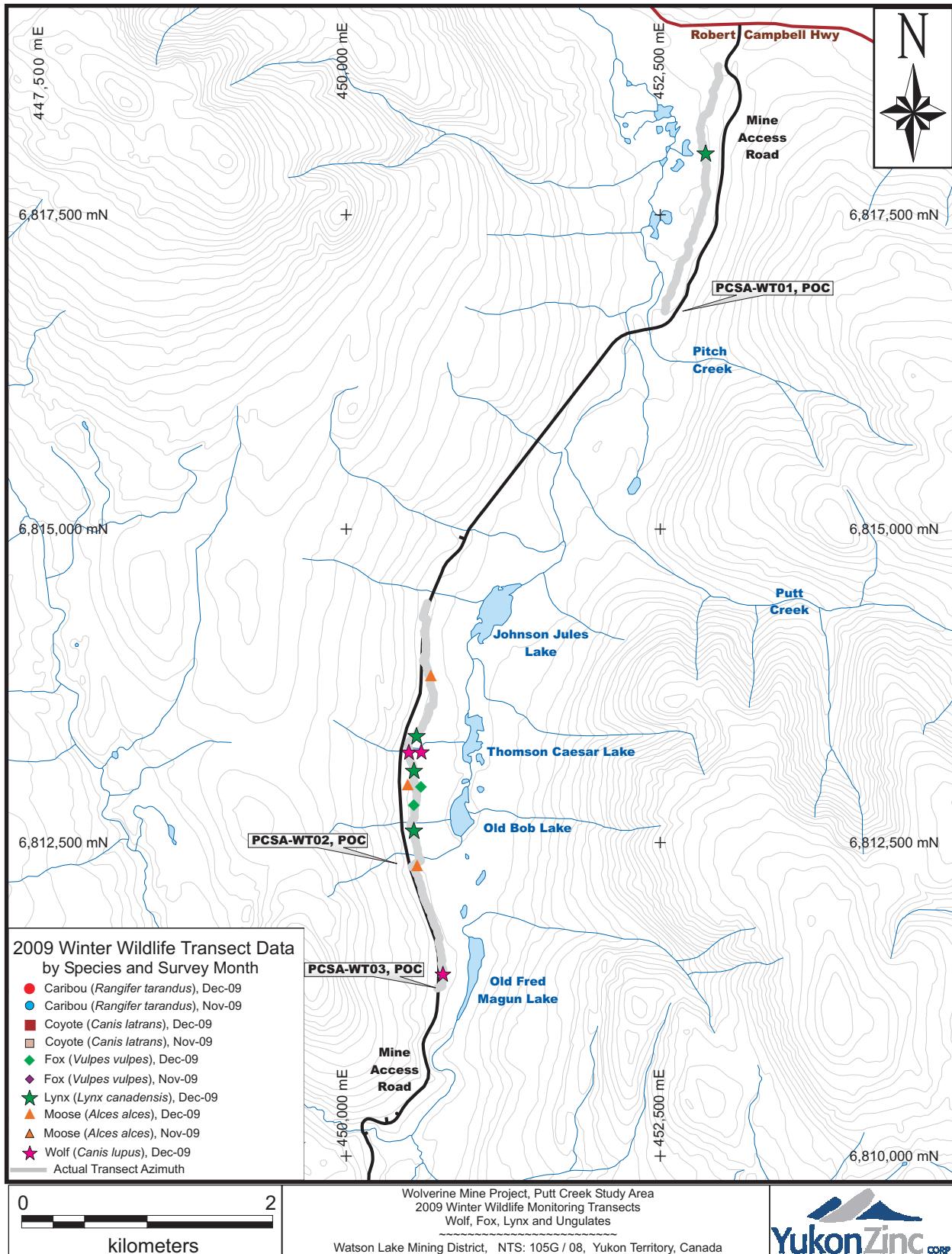


Figure 3-3: 2009 Winter Wildlife Transect Results in PCSA for Wolf, Fox, Lynx and Ungulates

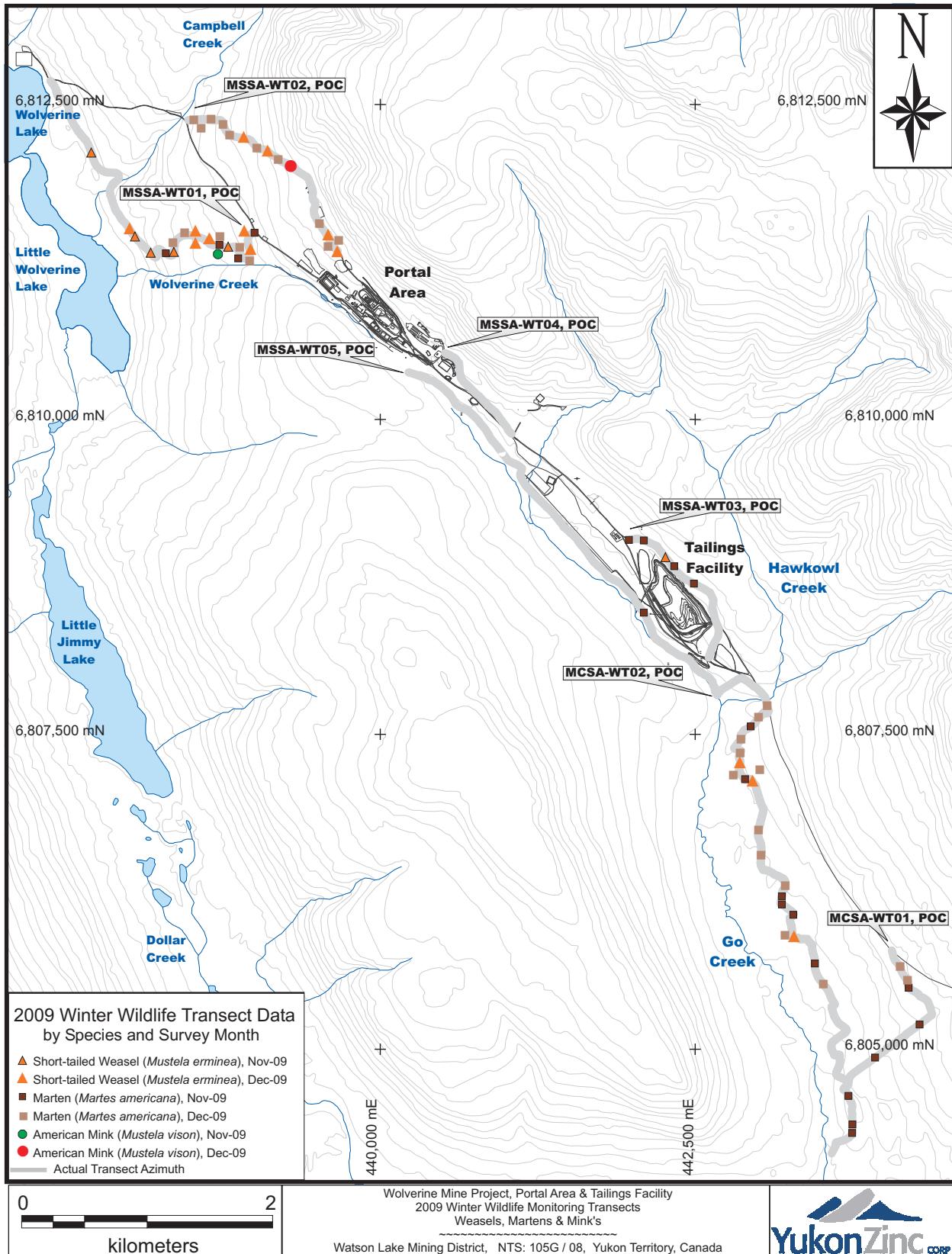


Figure 3-4: 2009 Winter Wildlife Transect Results in MSSA and MCSA for Weasel, Martin and Mink

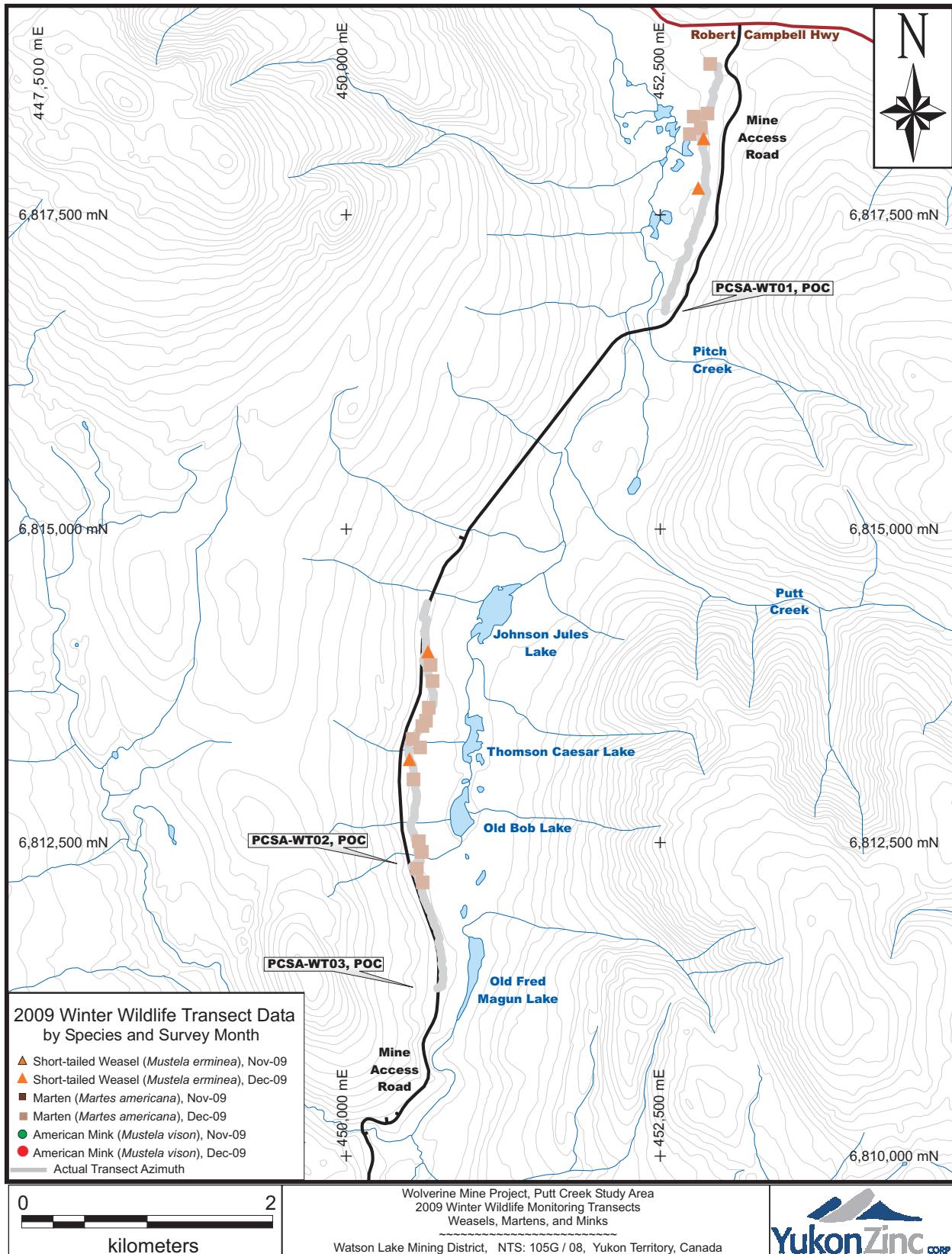


Figure 3-5: 2009 Winter Wildlife Transect Results in PCSA for Weasels, Martins and Mink

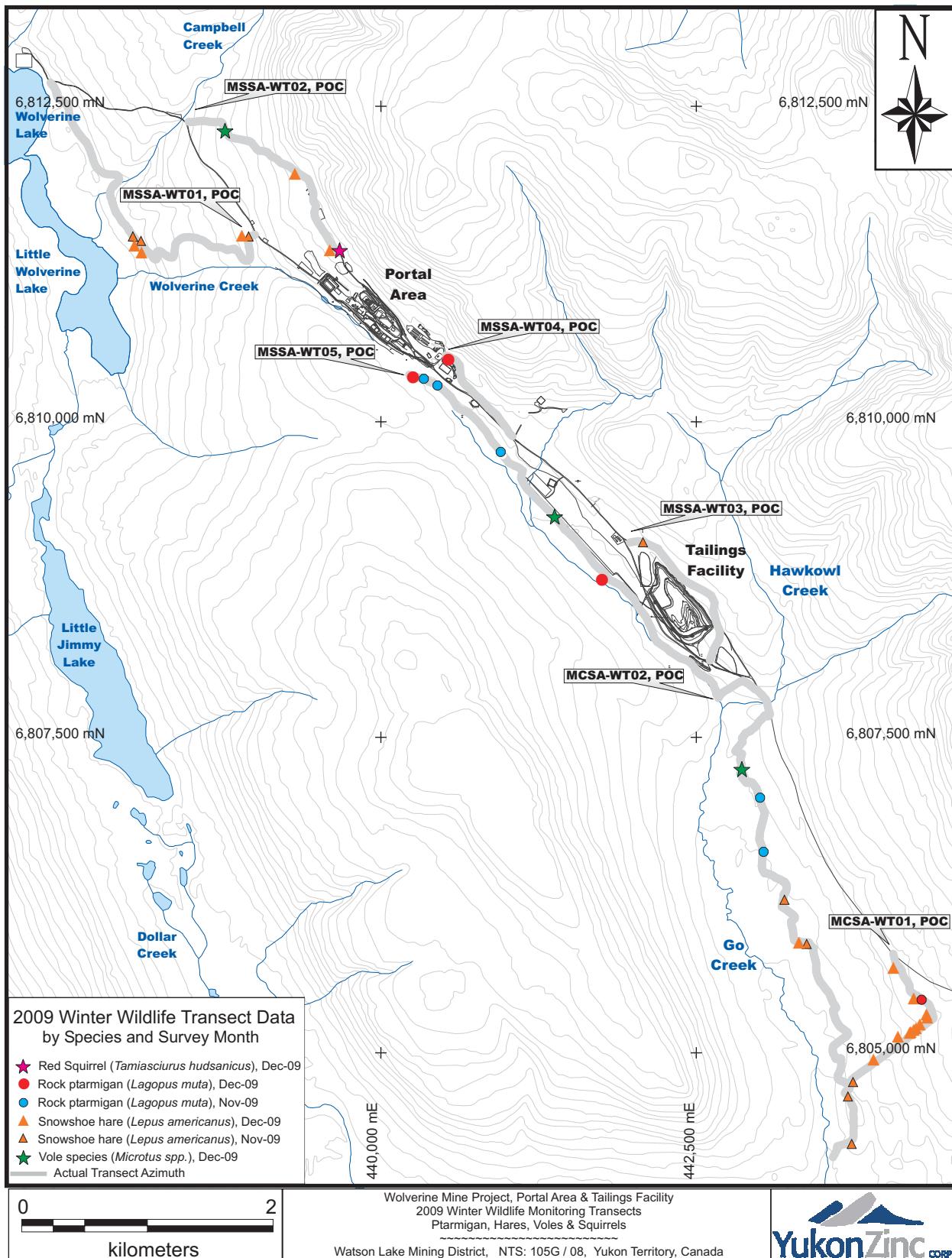


Figure 3-6: 2009 Winter Wildlife Transect Results in MSSA and MCSA for Ptarmigan, Hare, Vole and Squirrel

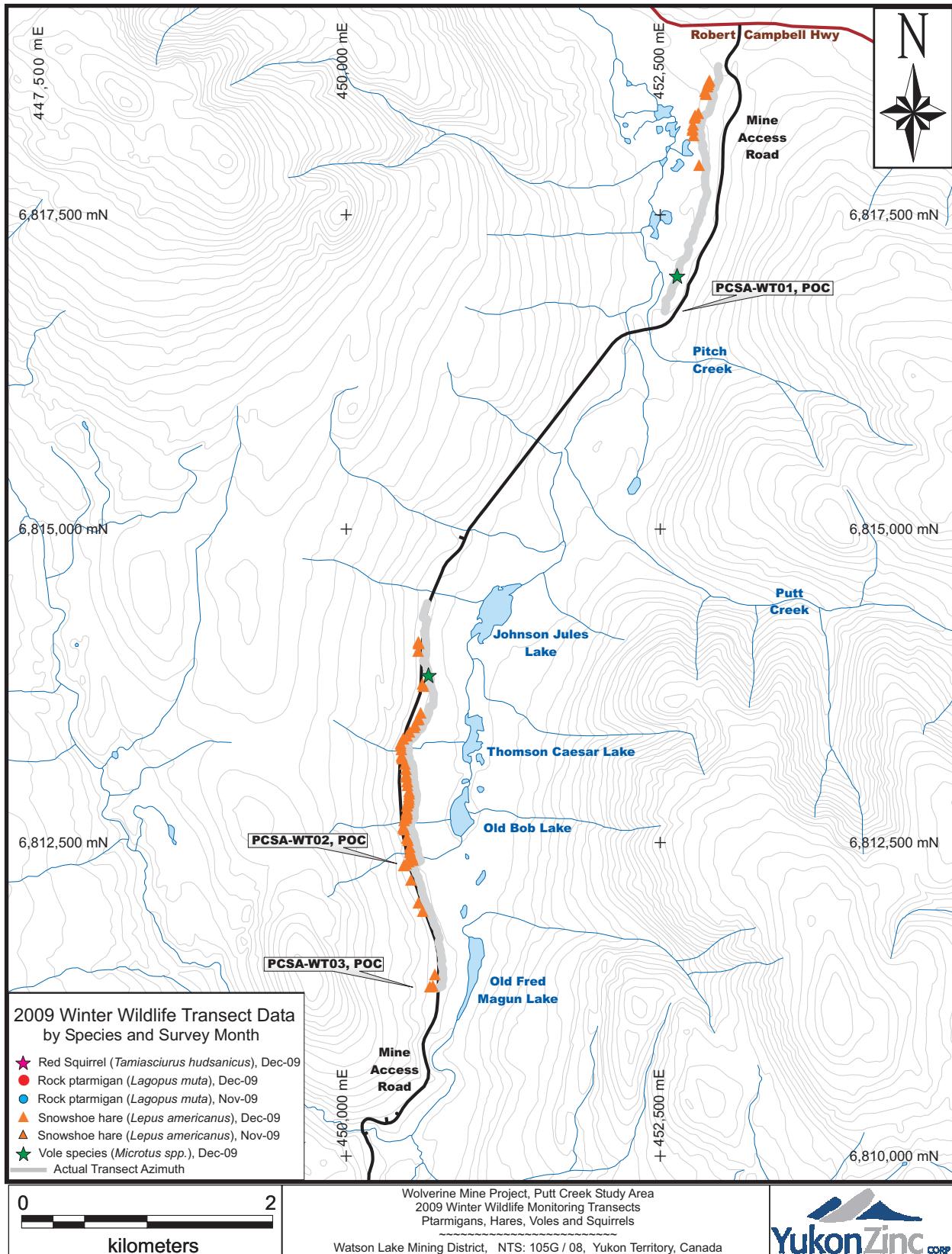


Figure 3-7: 2009 Winter Wildlife Transect Results in PCSA for Ptarmigan, Hare, Vole and Squirrel

3.4 Metals Levels in Vegetation

The baseline data collection for the vegetation metals levels monitoring program was initiated in August 2009. Vegetation samples were collected according to the methods outlined in *WPP Appendix F*. The species collected included lichen (*Cladina stellaris*), horsetail (*Equisetum arvense*), and willow (*Salix planifolia*) from the MSSA and the PCSA as shown on Figure 3-8. Samples were not collected from the MCSA; however, all three study areas will be sampled in July-August 2010 to supplement the baseline dataset.

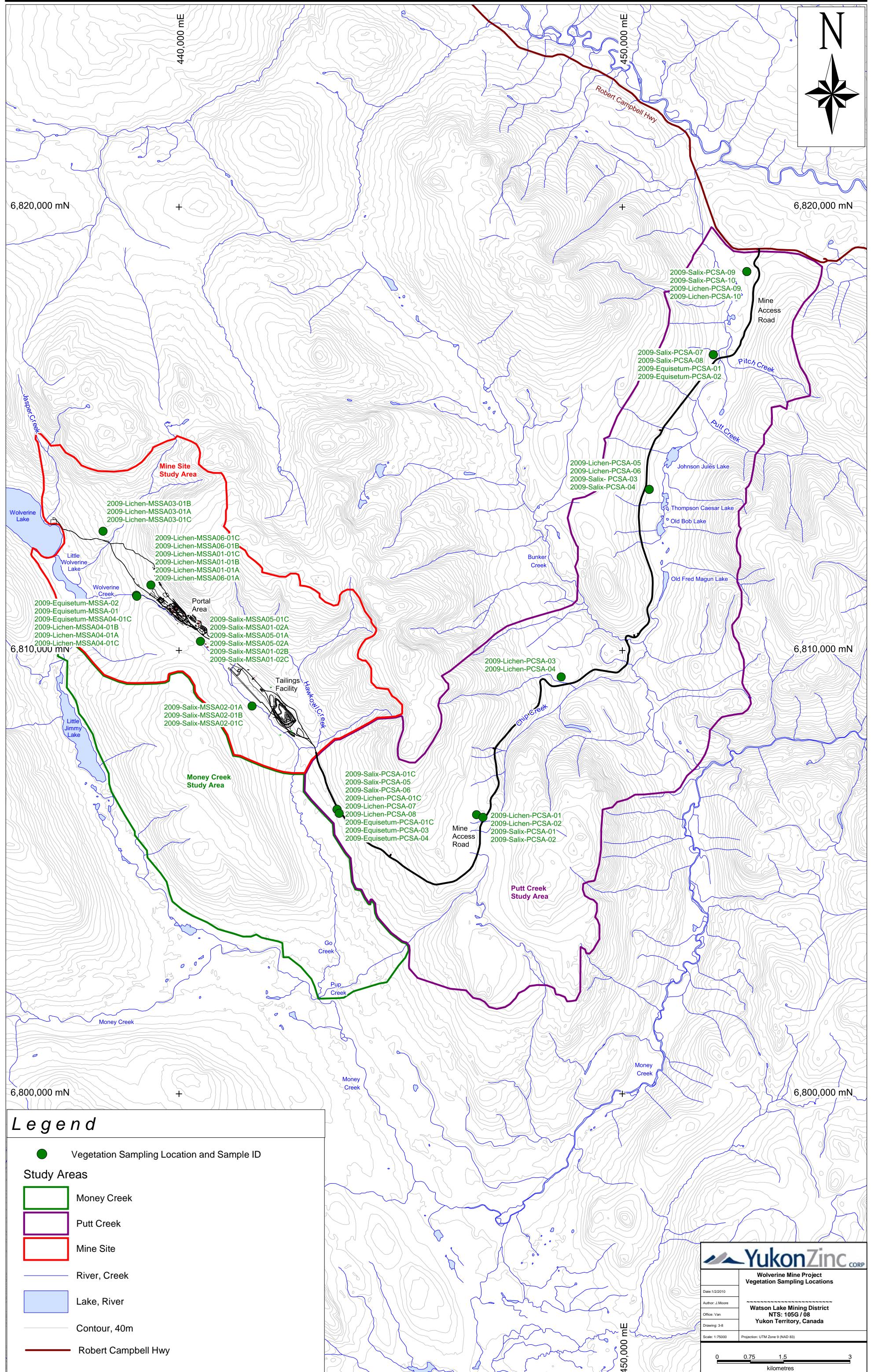
Laboratory procedures were completed by Maxxam Analytics Inc, an accredited laboratory based in Burnaby, BC. Procedures included dissection of samples, compositing of samples (as required), digestion and metals analysis. Vegetation samples were digested with a nitric-hydrochloric acid mixture to solubilize the solid matter and remove the organic material by oxidation and volatilization. The sample was then analyzed for total metals by inductively coupled plasma mass spectrometry (ICP-MS). Vegetation samples were measured for 30 elements at specified laboratory reportable detection limits (RDLs) as outlined in Table 3-4.

A total of 24 samples (12 lichen, 3 horsetail, and 9 willow) were collected from the MSSA and 27 samples (11 lichen, 5 horsetail, and 11 willow) from the PCSA. Potential parameters of concern for the Project Area (arsenic, copper, lead, nickel, selenium, cadmium, and zinc) were examined in further detail to examine trends in the project area and reference area. A summary of the metal concentrations for arsenic, cadmium, copper, lead, nickel, selenium and zinc are provided in Figure 3-9 to Figure 3-15, respectively, and summary tables of the lab data is provided in Appendix D. For graphing purposes, parameters that were below the detection limit (e.g., selenium in willow, horsetail and lichen, Figure 3-14), half the detection limit was used. Original laboratory reports are available upon request.

Table 3-4: Total Metal Analysis Parameters with Reportable Detection Limits

Element	Symbol	RDL (mg/kg)	Element	Symbol	RDL (mg/kg)	Element	Symbol	RDL (mg/kg)
Aluminum	Al	1	Copper	Cu	0.5	Silver	Ag	0.05
Antimony	Sb	0.1	Iron	Fe	10	Sodium	Na	10
Arsenic	As	0.01	Lead	Pb	0.01	Strontium	Sr	0.1
Barium	Ba	0.1	Magnesium	Mg	10	Thallium	Tl	0.05
Beryllium	Be	0.1	Manganese	Mn	0.1	Tin	Sn	0.1
Bismuth	Bi	0.1	Mercury	Hg	0.01	Titanium	Ti	1
Boron	B	5	Molybdenum	Mo	0.1	Uranium	U	0.05
Cadmium	Cd	0.01	Nickel	Ni	0.1	Vanadium	V	2
Calcium	Ca	10	Phosphorus	P	10	Zinc	Zn	0.1
Chromium	Cr	0.5	Potassium	K	10			
Cobalt	Co	0.1	Selenium	Se	0.01			

Note: RDL = Reportable Detection Limit



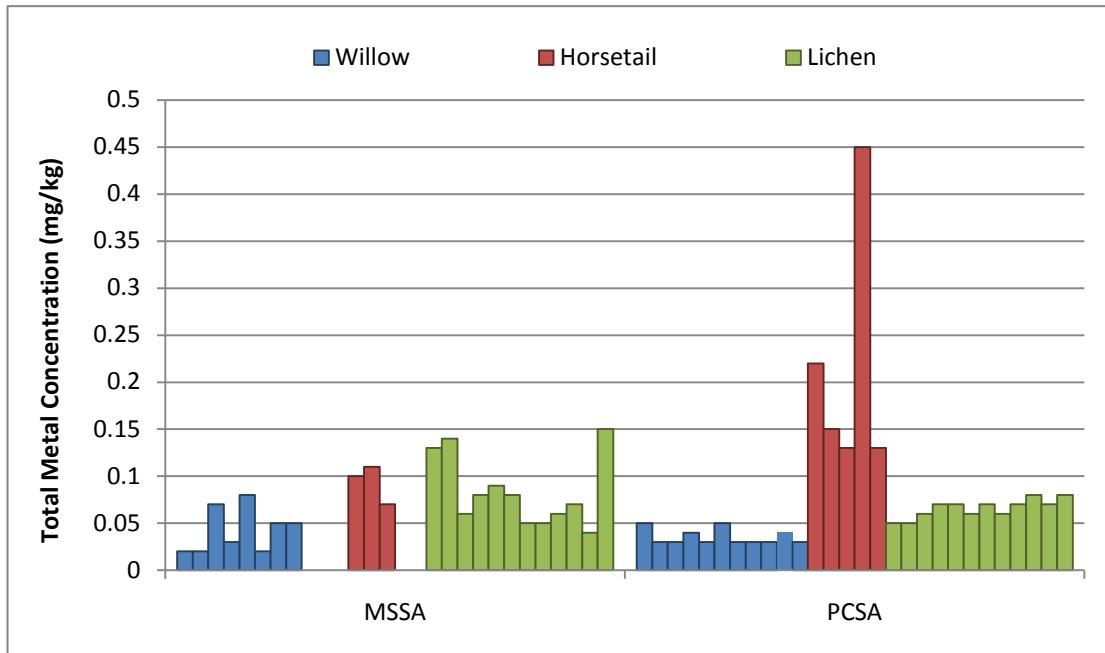


Figure 3-9: Total Arsenic Concentrations (mg/kg) in Willow, Horsetail and Lichen Samples

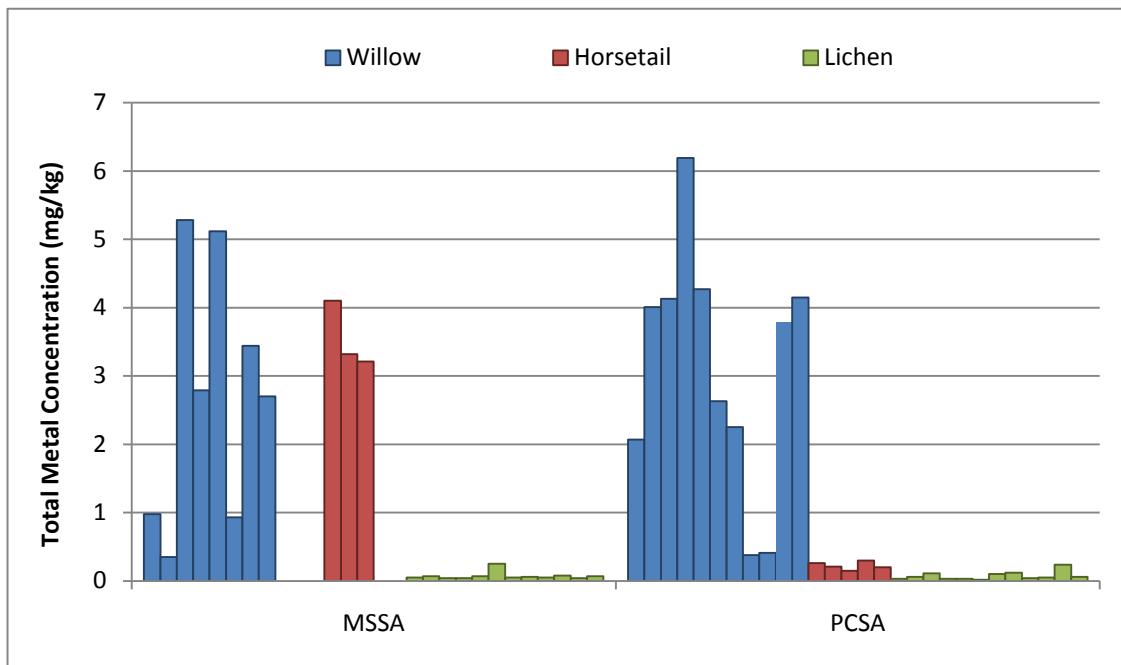


Figure 3-10: Total Cadmium Concentrations (mg/kg) in Willow, Horsetail and Lichen Samples

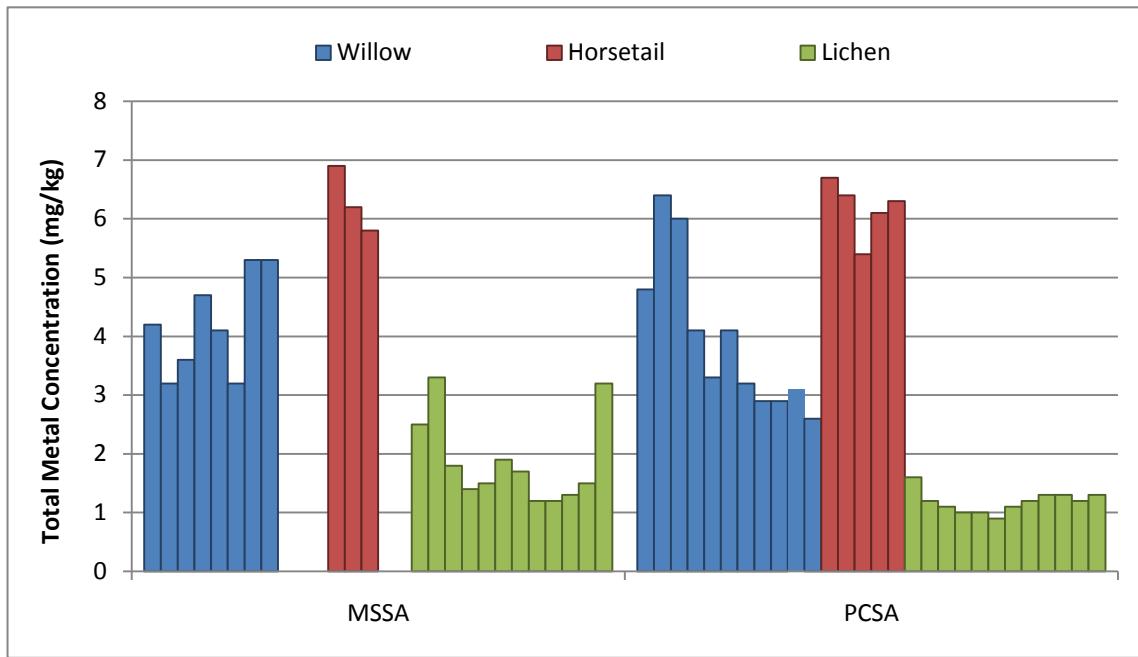


Figure 3-11: Total Copper Concentrations (mg/kg) in Willow, Horsetail and Lichen Samples

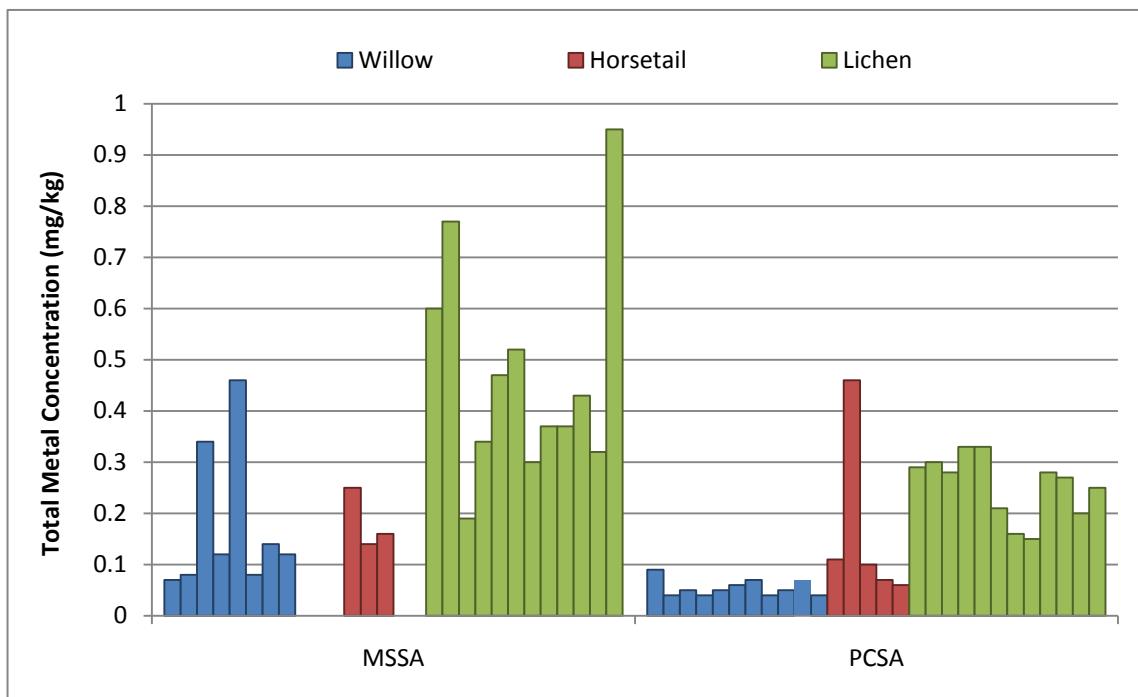


Figure 3-12: Total Lead Concentrations (mg/kg) in Willow, Horsetail and Lichen Samples

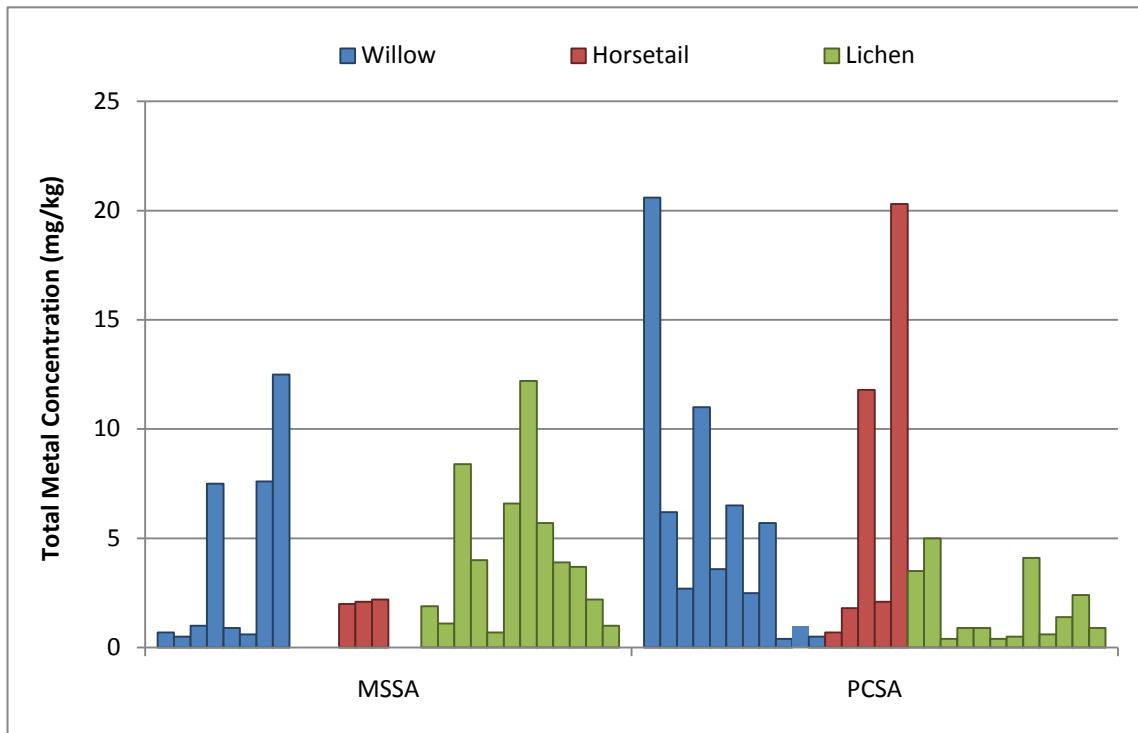


Figure 3-13: Total Nickel Concentrations (mg/kg) in Willow, Horsetail and Lichen Samples

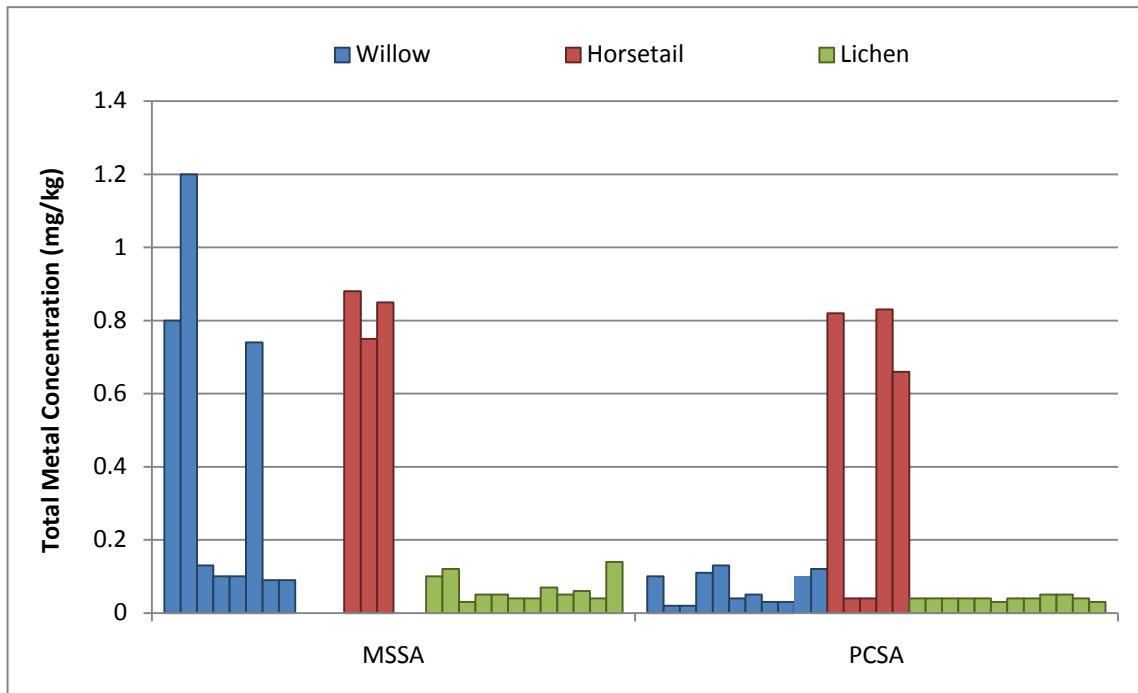


Figure 3-14: Total Selenium Concentrations (mg/kg) in Willow, Horsetail and Lichen Samples

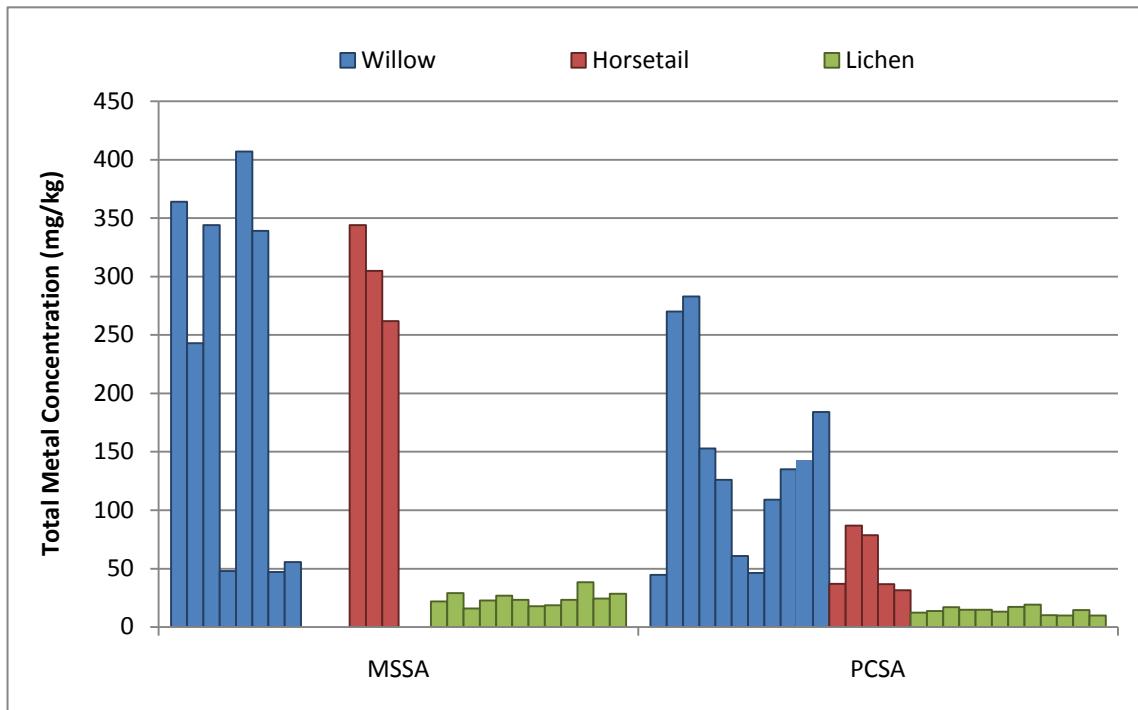


Figure 3-15: Total Zinc Concentrations (mg/kg) in Willow, Horsetail and Lichen Samples

3.5 Metals Levels in Small Mammals

The baseline data collection for the small mammal metals levels monitoring program was completed in August 2009. The study areas for the small mammal program include the MSSA, MCSA, and PCSA. Prior to sampling, a total of 900 m of transects was established in each of the study areas with six 150 m transects in each of the MSSA and the PCSA, and a 600 m and 300 m transect in the MCSA. The transect configuration was amended from the design proposed in the WPP to suit field constraints/conditions. Along each transect trapping stations were established at 15 m intervals. Transect locations are shown on Figure 3-16 and Table 3-5 summarizes the coordinates for the points of commencement (POC) and points of termination (POT), transect lengths and sampling dates.

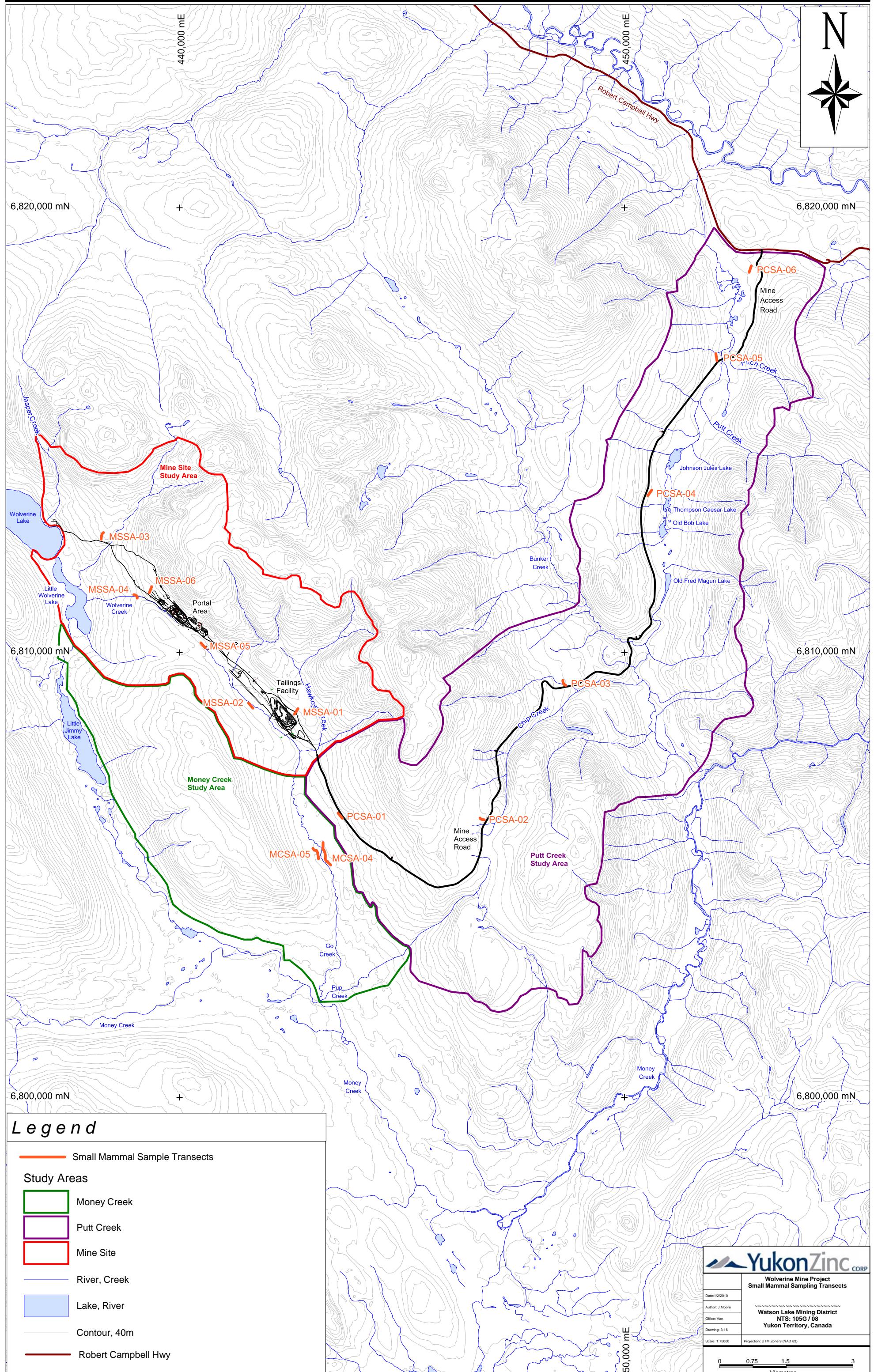


Table 3-5: Small Mammal Transect Summary and Sampling Schedule

Study Area	Transect ID	POC		POT		Transect Length (m)	2009 Sampling Schedule		
		Easting	Northing	Easting	Northing		Start Date	End Date	Trap Nights
MCSA	MCSA-04	443220	6805681	443394	6805169	600	12-Aug-09	16-Aug-09	4
	MCSA-05	443120	6805307	442996	6805543	300	13-Aug-09	16-Aug-09	3
MSSA	MSSA-01	442583	6808559	442658	6808682	150	17-Aug-09	21-Aug-09	4
	MSSA-02	441552	6808807	441645	6808694	150	17-Aug-09	21-Aug-09	4
	MSSA-03	438238	6812491	438290	6812641	150	17-Aug-09	21-Aug-09	4
	MSSA-04	438967	6811245	439045	6811168	150	17-Aug-09	21-Aug-09	4
	MSSA-05	440576	6810049	440476	6810162	150	18-Aug-09	21-Aug-09	3
	MSSA-06	439318	6811289	439372	6811427	150	18-Aug-09	21-Aug-09	3
PCSA	PCSA-01	443561	6806334	443654	6806219	150	23-Aug-09	27-Aug-09	4
	PCSA-02	446850	6806192	446752	6806226	150	23-Aug-09	27-Aug-09	4
	PCSA-03	448680	6809207	448616	6809323	150	23-Aug-09	27-Aug-09	4
	PCSA-04	450523	6813470	450610	6813593	150	23-Aug-09	27-Aug-09	4
	PCSA-05	452075	6816515	452048	6816664	150	23-Aug-09	27-Aug-09	4
	PCSA-06	452848	6818635	452799	6818491	150	23-Aug-09	27-Aug-09	4

MSSA = Mine Site Study Area; PCSA = Putt Creek Study Area; MCSA = Money Creek Study Area; POC = point of commencement; POT = point of termination

At each trap station, two snap traps were placed within 2 m of the station centre, and baited with a peanut butter and oat mixture. In addition, starting at 30 m from the POC of each transect, pitfall traps were placed at 60 m intervals for a total of three pitfalls per 150 m. Traps were left for a period of 24-hours, and transects were checked starting each morning in the same order they were set. Animal captures were processed according to the procedures outlined in *WPP Appendix G*. After the collected specimens were processed, the traps were reset. Each study area was sampled during consecutive sampling periods as summarized in Table 3-5. On return from the field, all animal capture data was entered into an Excel database, provided in Appendix E.

In total, 414 animals were captured (401 small mammals and 13 birds) over the duration of the program, and were represented by nine small mammal species and three bird species summarized in Table 3-6.

Table 3-6: Small Mammal and Bird Species Captured, 2009

Common Name	Scientific Name
<i>Small Mammals</i>	
Northern Red-backed Vole	<i>Clethrionomys rutilus</i>
Meadow Vole	<i>Microtus pennsylvanicus</i>
Heather Vole	<i>Phenacomys intermedius</i>
Long-Tailed Vole	<i>Microtus longicaudus</i>
Siberian Lemming	<i>Lemmus sibiricus</i>
Northern Bog Lemming	<i>Synaptomys borealis</i>
Meadow Jumping Mouse	<i>Zapus hudsonius</i>
Masked Shrew	<i>Sorex cinerus</i>
Dusky Shrew	<i>Sorex monticolus</i>
<i>Birds</i>	
Gray Jay	<i>Perisoreus canadensis</i>
Lincoln's Sparrow	<i>Melospiza lincolinii</i>
White-Crowned Sparrow	<i>Zonotrichia leucophrys</i>

The number of animals captured by species and transect is summarized in Table 3-7. Further, trap success was calculated based on the values reported during the program. For the purposes of this analysis, trap success for each transect is based on the number of animals captured and the number of trap nights (where one trap night equals one trap set for one night) and corrected for traps that were lost or sprung with no animals captured. The highest number of animals were captured in the MCSA (n=189) followed by the MSSA (n=156) and the PCSA (n=69). The total of species captured and trap success for each transect are also detailed in Table 3-7.

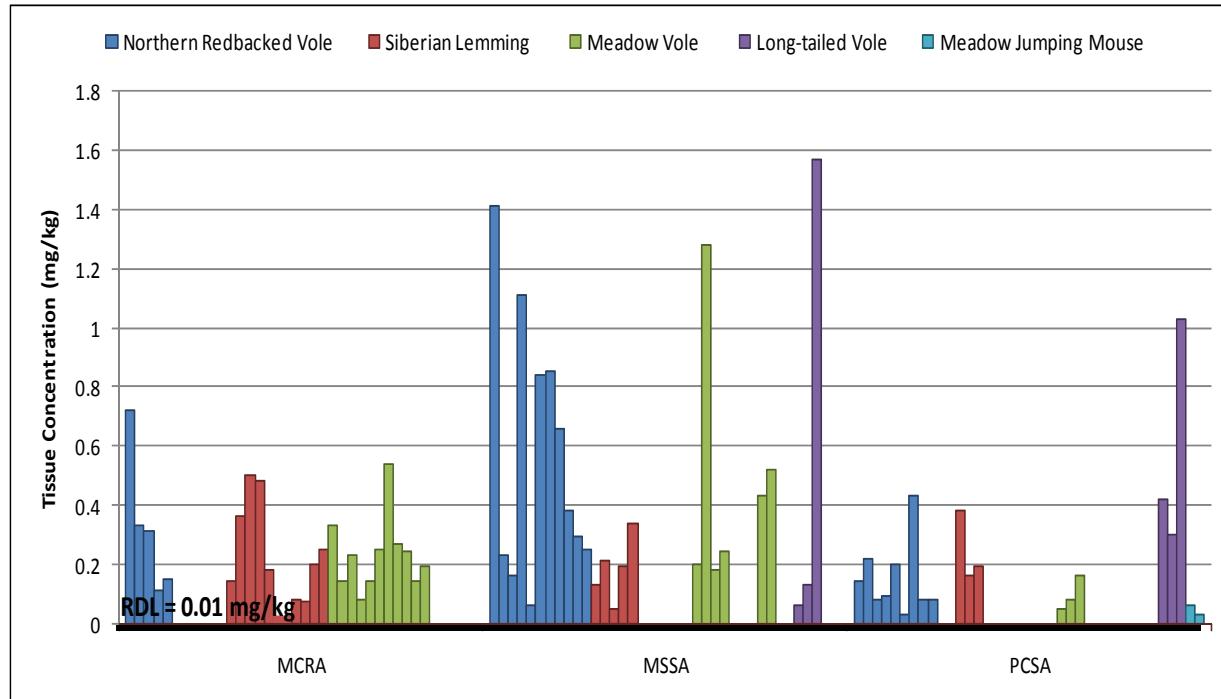
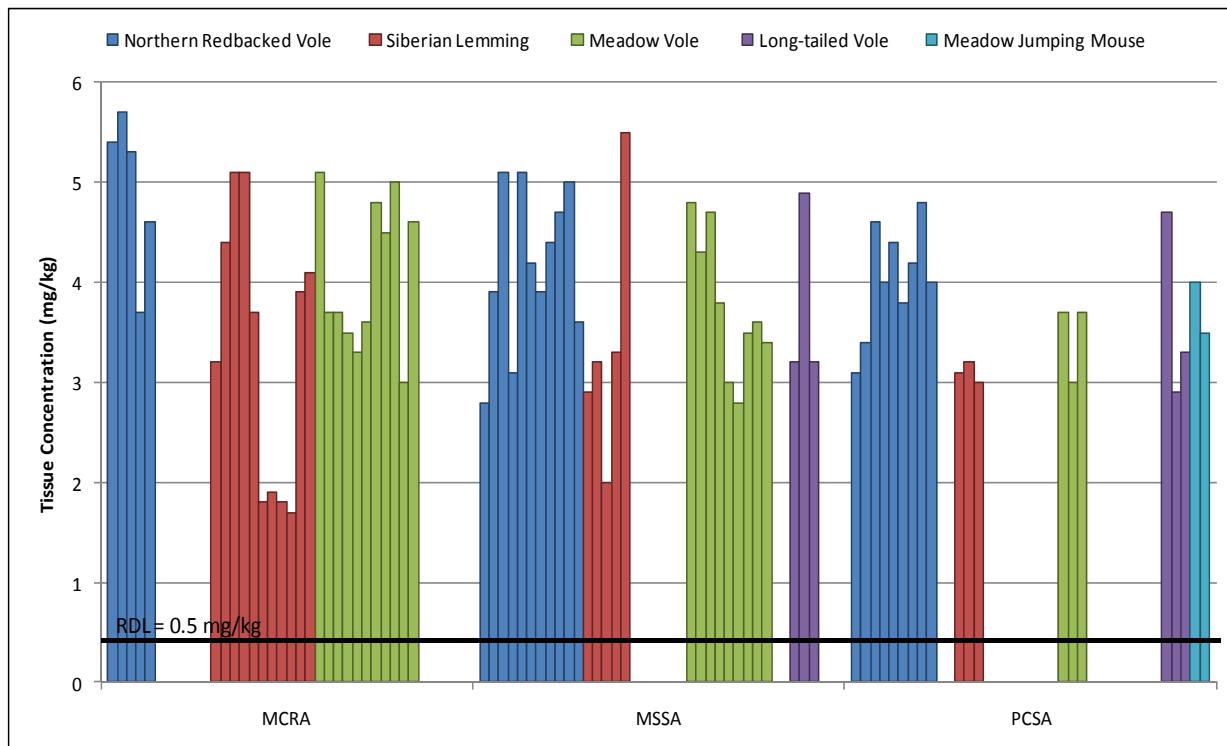
On completion of the sampling program, the samples were frozen, and prepared for shipment to Maxxam Analytics Inc for analysis. At the lab samples were dissected and composited as required (by study area, species and organ type (kidney, liver and muscle)) to prepare samples for digestion and analysis. All shrews were processed as whole body samples. Samples were digested with a nitric-hydrochloric acid mixture to solubilize the solid matter and remove the organic material by oxidation and volatilization. The sample was then analyzed for total metals by ICP-MS. Summary tables of the laboratory results are provided in Appendix F.

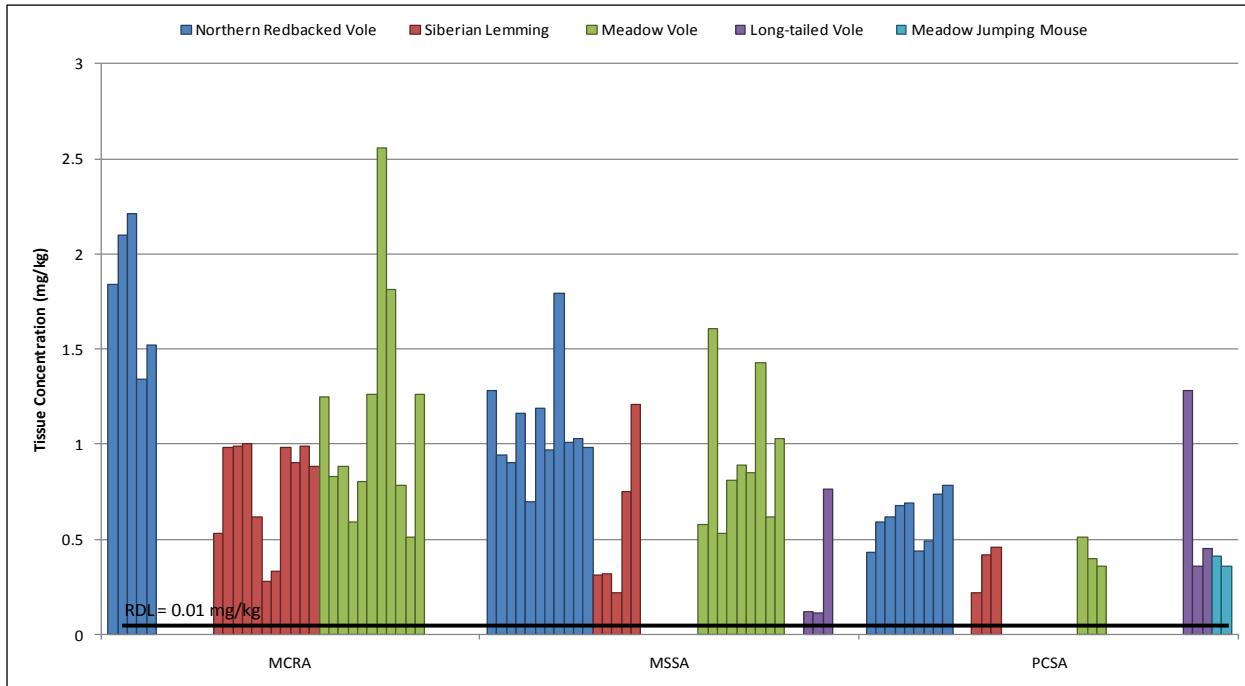
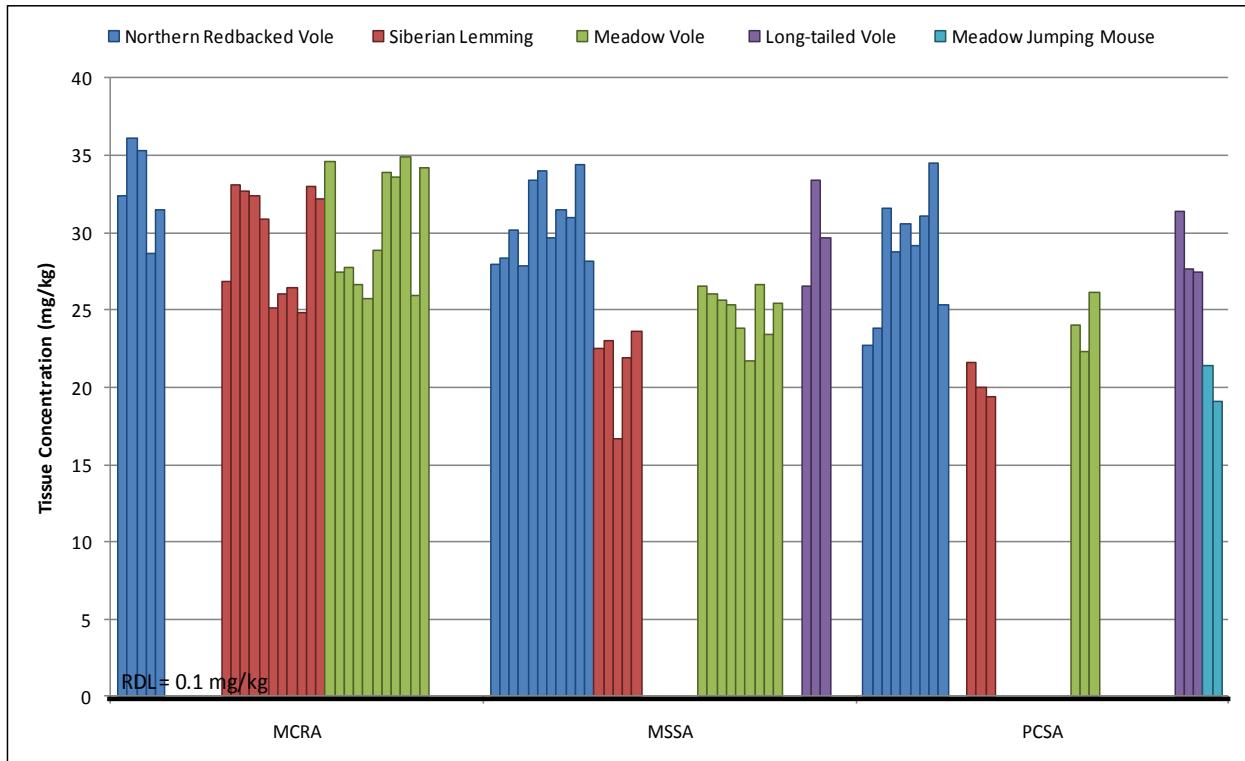
Animal capture data was analyzed according to species (Northern red-backed vole, Siberian lemming, meadow vole, long-tailed vole, shrew or meadow jumping mouse), and tissue type (kidney, liver, muscle or whole body) for metal concentrations. Results of these analyses are presented in Appendix F.

Tissue was analyzed for the 30 elements at specified reportable detection limits outlined in Table 3-4. Potential parameters of concern (arsenic, copper, lead, nickel, selenium, cadmium, and zinc) were examined in further detail. Graphs for cadmium, copper, selenium and zinc and their laboratory reportable detection limits (RDL) in liver, muscle, kidney and whole shrews are presented in Figure 3-17 to Figure 3-32, respectively. For all three study areas, arsenic, lead and nickel concentrations were equal to or less than reportable detection limit for at least 70% of the samples, and consequently were not graphed. For graphing purposes, parameters that were below the detection limit (e.g., cadmium in muscle tissue), half the detection limit was used. For cadmium in kidney and liver tissue, there were a higher values which were an order of magnitude higher than other concentrations in the same tissues (see Appendix F), and consequently were omitted from the graphs. These samples were re-analyzed by the laboratory and yielded similar results to the initial analysis, highlighting the variability of this metal in these tissues.

Table 3-7: Summary of Small Mammal and Bird Captures by Study Area and Transect

Study Area	MCSA		MSSA						PCSA						Total
	Transect	MCSA-04	MCSA-05	MSSA-01	MSSA-02	MSSA-03	MSSA-04	MSSA-05	MSSA-06	PCSA-01	PCSA-02	PCSA-03	PCSA-04	PCSA-05	PCSA-06
<i>Small Mammals</i>															
Northern Red-backed Vole	13	7	22	3	27	35	17	16		2					142
Meadow Vole	73	10	12	7	2	11	4	2	5	1	2			2	131
Siberian Lemming	32	22	2	1		1	1		2		1				62
Northern Bog Lemming	2					1									3
Heather Vole			2												2
Long-tailed Vole			4		1			5							10
Meadow Jumping Mouse				1								2			3
Masked Shrew	18	4	5	4	1	2	3	1		2	3	1			44
Dusky Shrew	2	2													4
<i>Birds</i>															
White-Crowned Sparrow	1														1
Gray Jay				1						2	1	1			5
Lincoln's Sparrow	2	1	2		2										7
<i>Capture Summary Data</i>															
Total Number Species	8	6	6	5	4	4	5	2	5	2	4	1	2	5	-
Total Number of Captures	143	46	47	15	7	40	10	37	32	2	21	2	4	8	414
Total Active Traps	320	133	89	96	89	73	72	66	62	99	81	93	76	77	-
Trap Success (%)	45	35	53	16	8	55	14	56	52	2	26	2	5	10	-

**Figure 3-17: Total Cadmium in Liver Tissue of Small Mammals****Figure 3-18: Total Copper in Liver Tissue of Small Mammals**

**Figure 3-19: Total Selenium in Liver Tissue of Small Mammals****Figure 3-20: Total Zinc in Liver Tissue of Small Mammals**

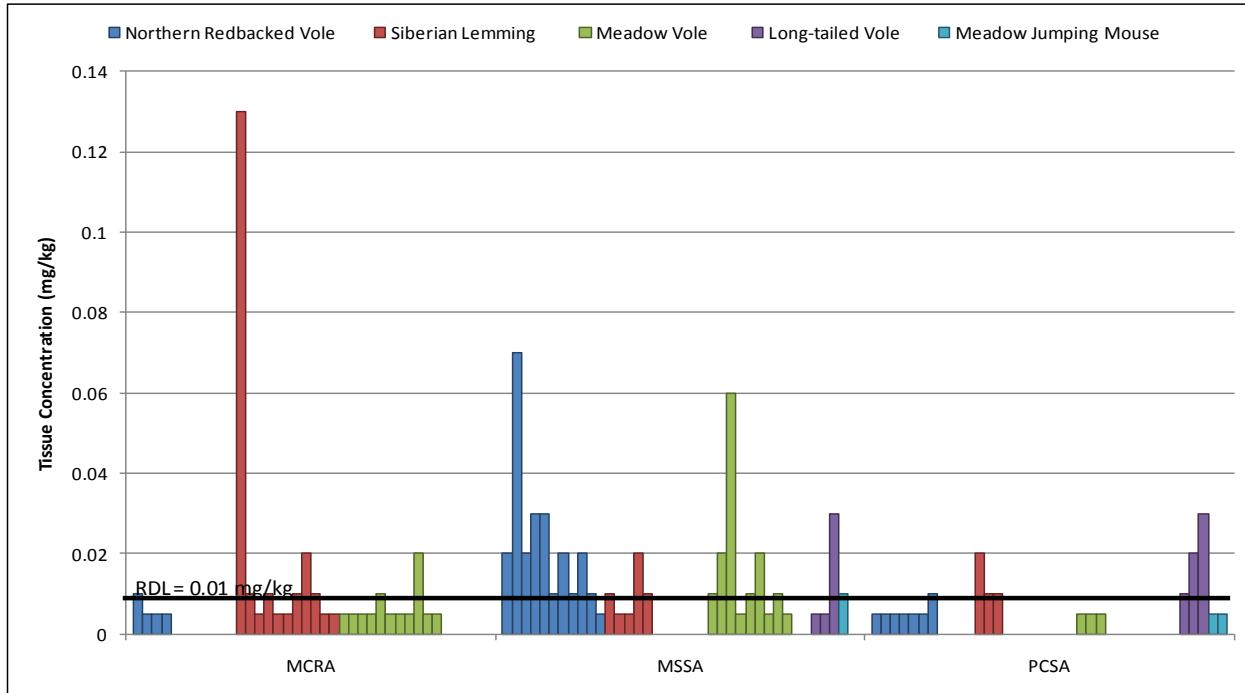


Figure 3-21: Total Cadmium in Muscle Tissue of Small Mammals

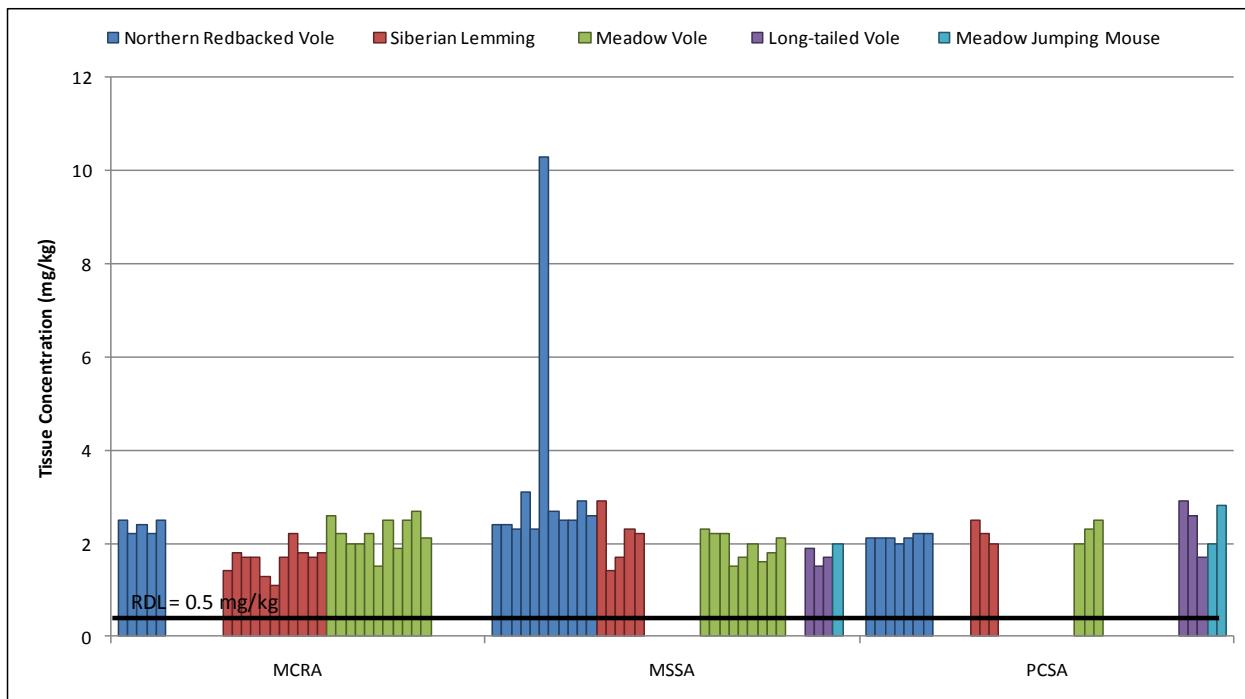
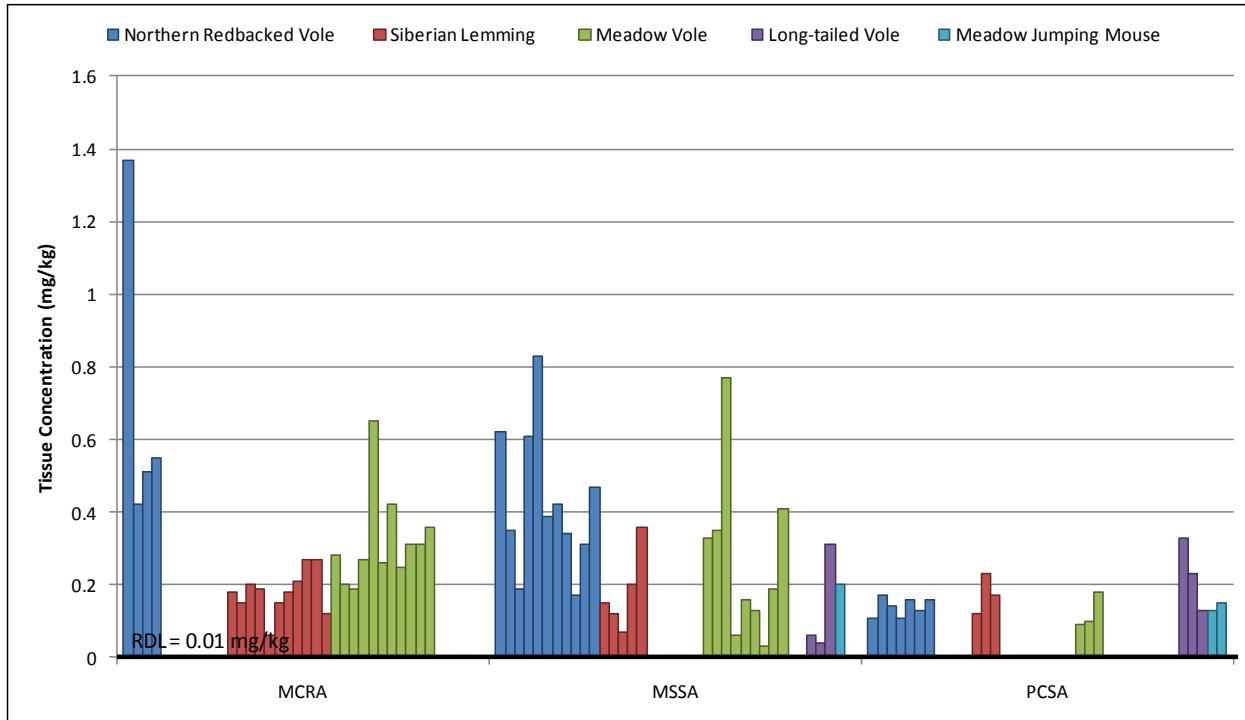
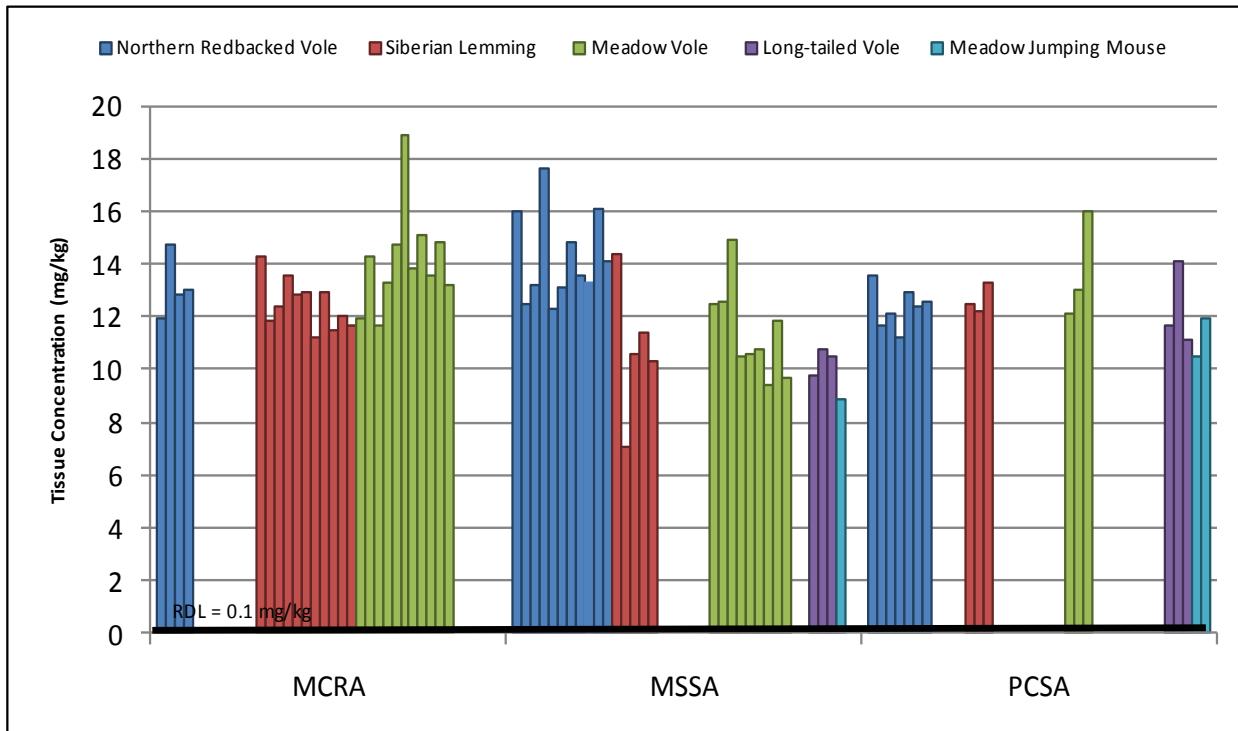
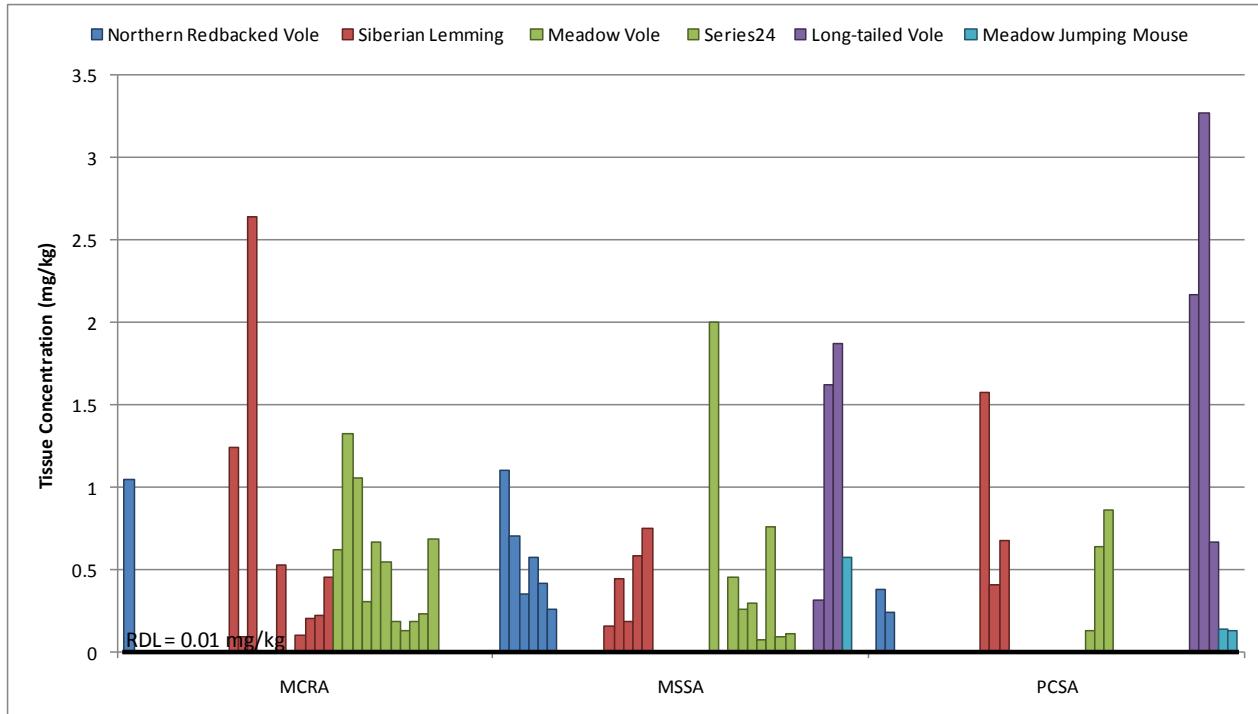
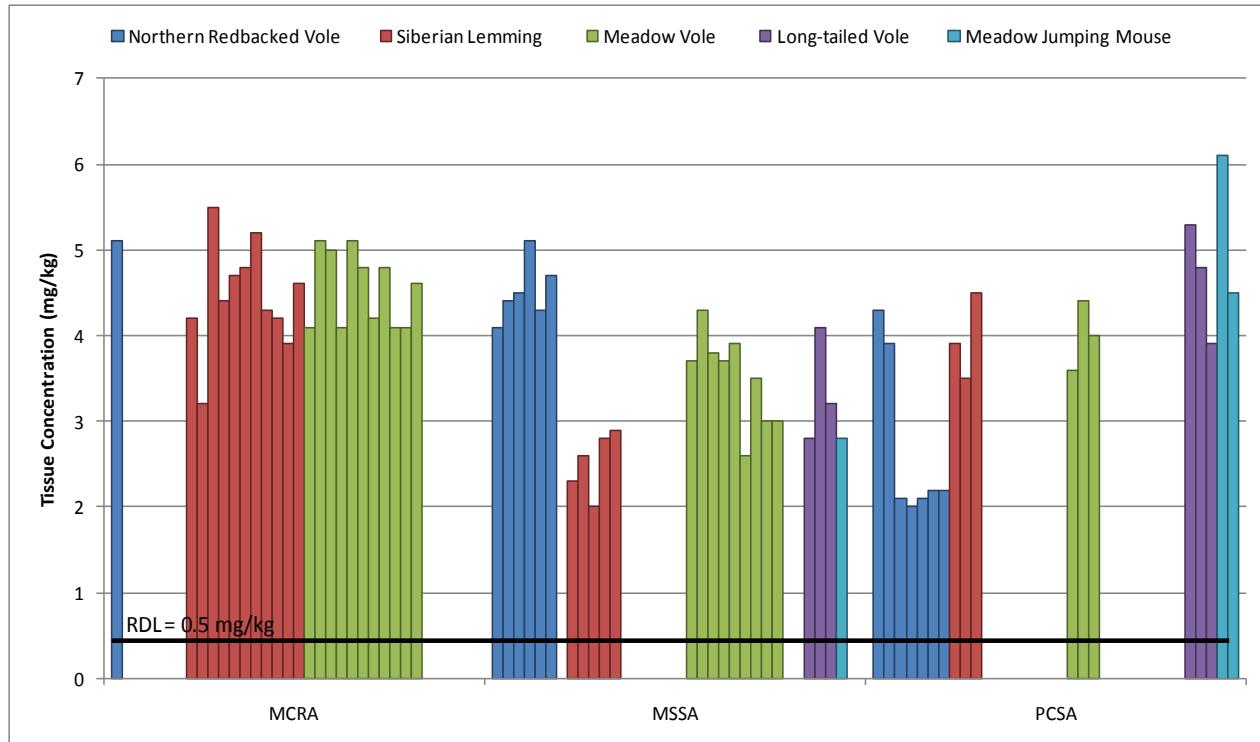
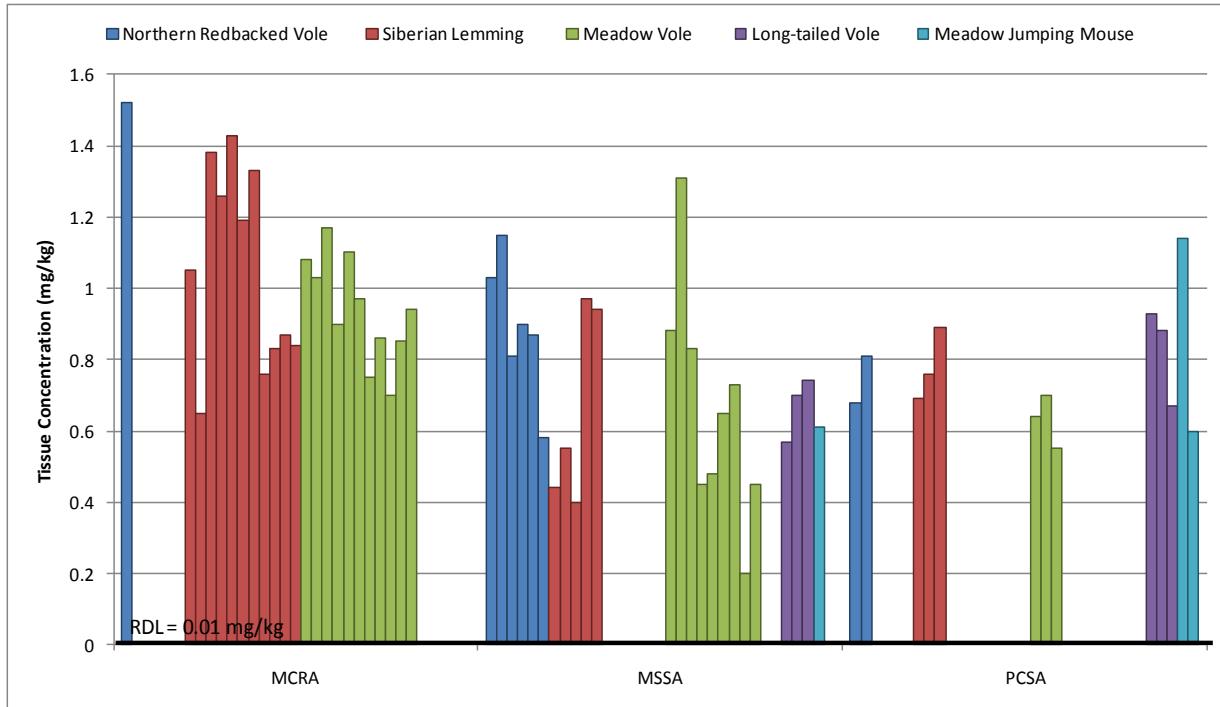
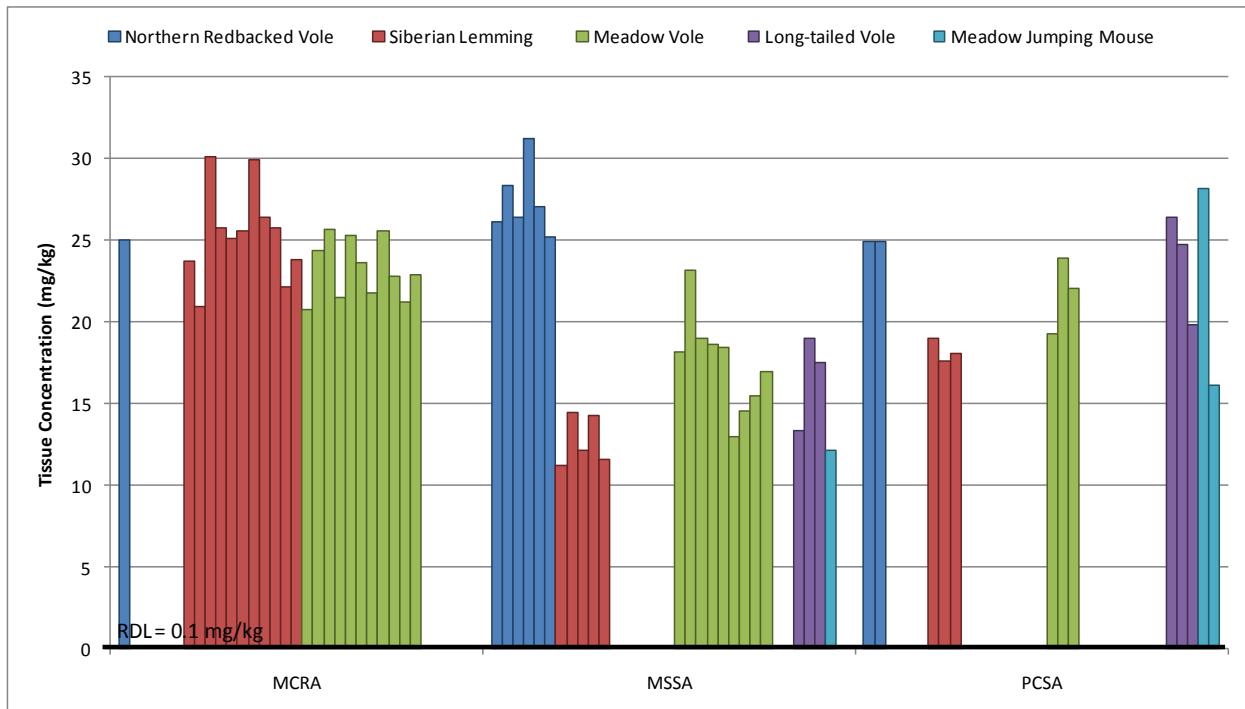
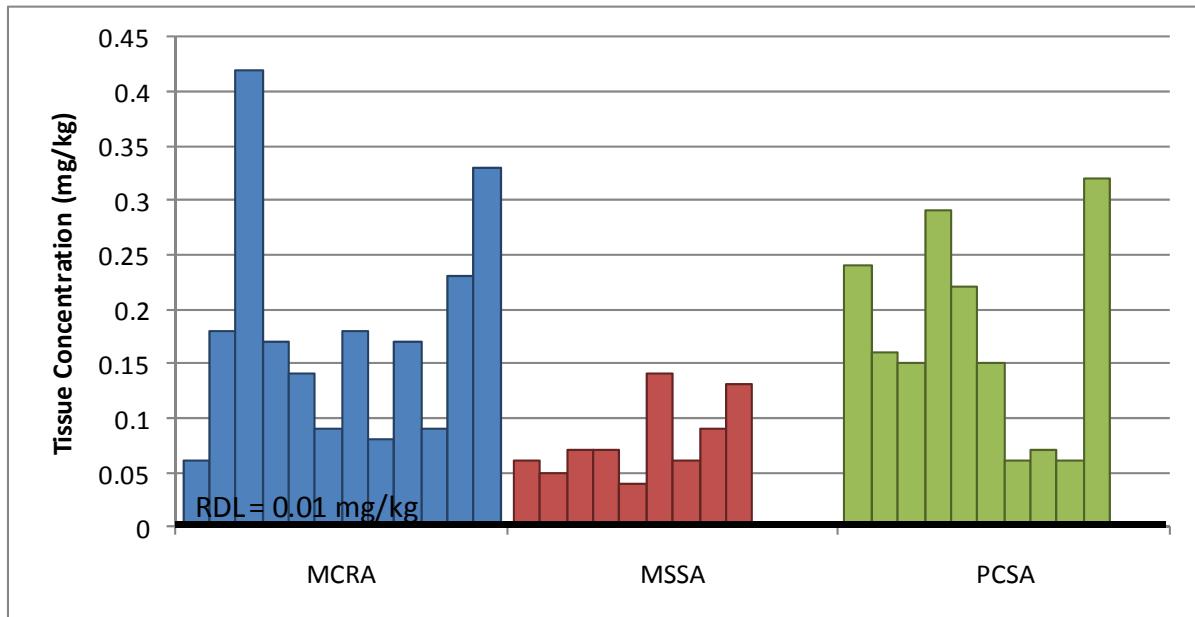
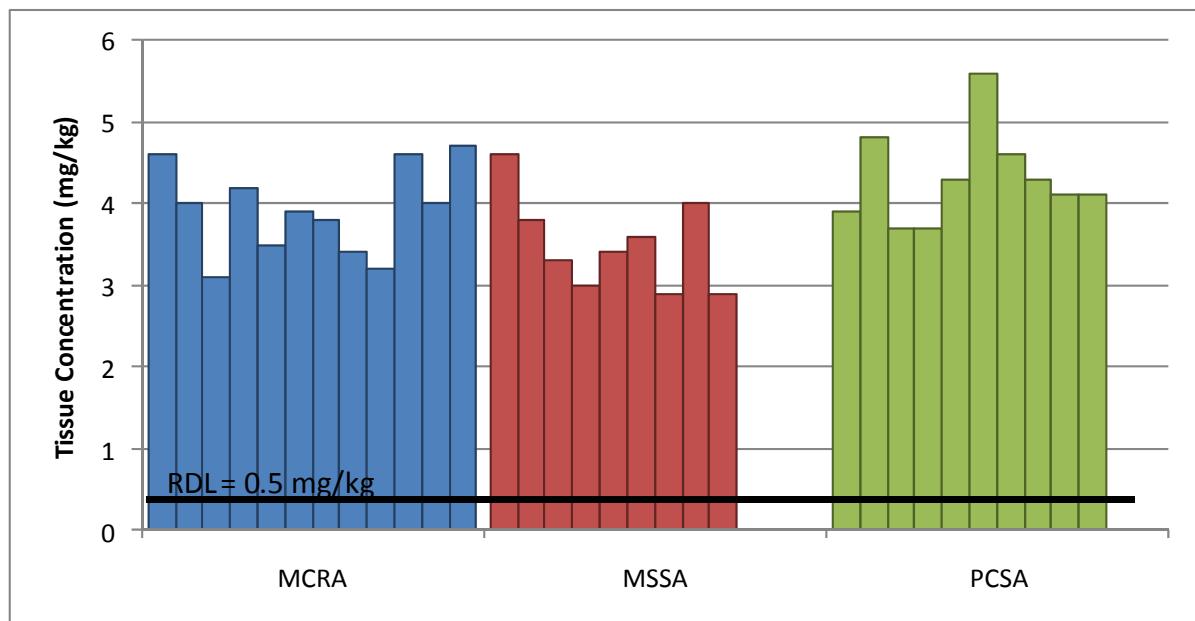


Figure 3-22: Total Copper in Muscle Tissue of Small Mammals

**Figure 3-23: Total Selenium in Muscle Tissue of Small Mammals****Figure 3-24: Total Zinc in Muscle Tissue of Small Mammals**

**Figure 3-25: Total Cadmium in Kidney Tissue of Small Mammals****Figure 3-26: Total Copper in Kidney Tissue of Small Mammals**

**Figure 3-27: Total Selenium in Kidney Tissue of Small Mammals****Figure 3-28: Total Zinc in Kidney Tissue of Small Mammals**

**Figure 3-29: Total Cadmium in Whole Body of Shrews****Figure 3-30: Total Copper in Whole Body of Shrews**

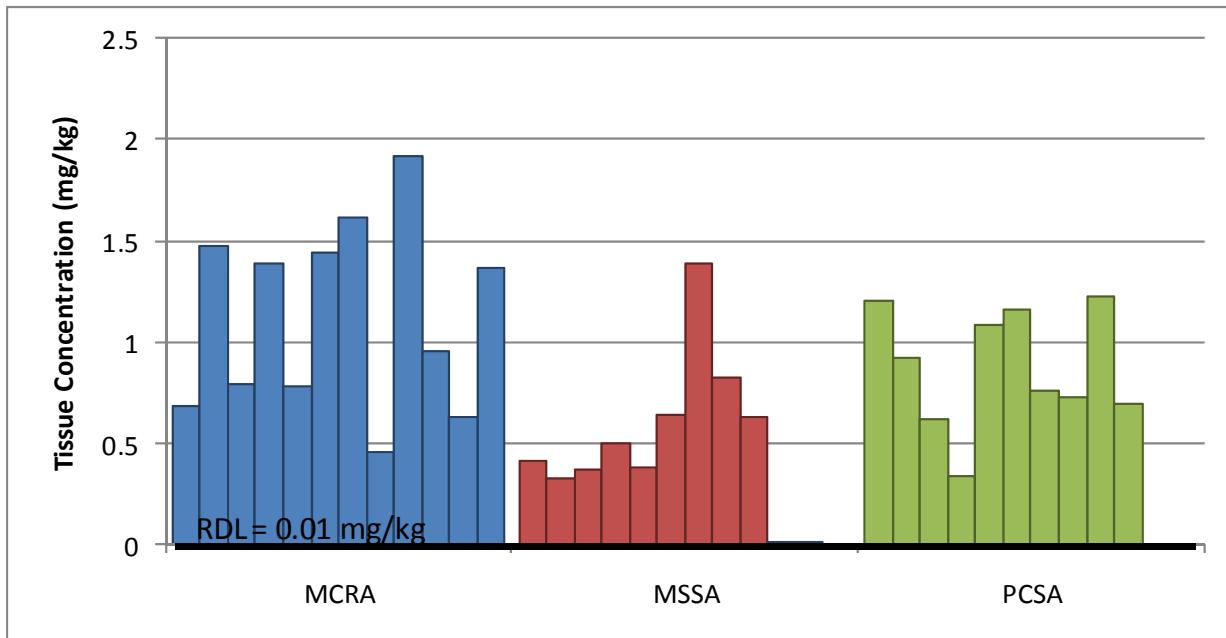


Figure 3-31: Total Selenium in Whole Body of Shrews

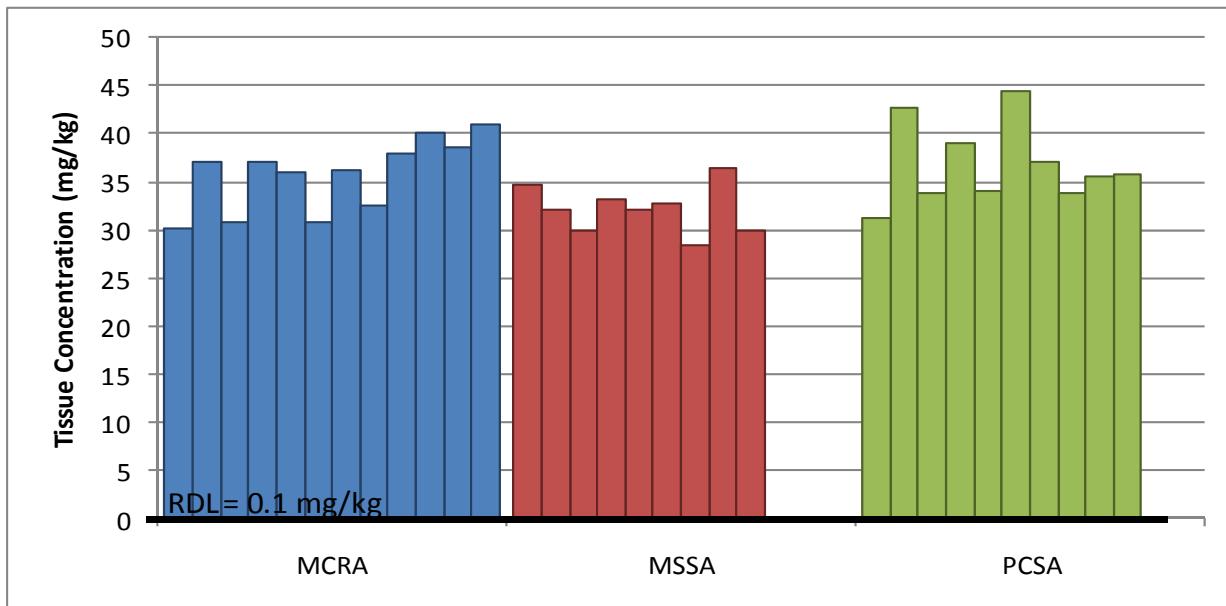


Figure 3-32: Total Zinc in Whole Body of Shrews

3.6 Regional Wildlife Monitoring Programs

In previous years (2006-2008), YZC has contributed to the Finlayson Caribou herd fall composition survey in the Ross River region conducted by Yukon Environment. YZC contributed \$10,000 to the 2009 fall survey for the Finlayson Caribou Herd; reporting of the survey results are conducted by Yukon Environment and are not contained herein.

3.7 Monitoring Program Recommendations for 2010

Based on the results of 2009, YZC recommends implementing the following into the 2010 monitoring program:

- Establish a winter wildlife monitoring transect within the Putt Creek Study Area that bisects the valley bottom
- Conduct wintering transect surveys at least 24 hours after snowfall

4 Summary

In 2009 Yukon Zinc completed the following activities required by Wildlife Protection Plan V2009-01 under QML-0006:

- Conducted incidental monitoring of wildlife in and around the Project site on a regular basis;
- Established winter wildlife monitoring transects in September-October and completed winter wildlife monitoring in November and December;
- Conducted vegetation sampling for willow, horsetail and lichen in the Mine Site and Putt Creek Study Areas; and,
- Conducted small mammal trapping and laboratory analysis for total metals in the Mine Site and Putt Creek Study Areas, and in the Money Creek Study/Reference Area.

Winter wildlife monitoring and incidental monitoring will continue in 2010. The Tailings Facility Monitoring Program will be initiated in spring 2010, and additional vegetation sampling for willow, horsetail and lichen in all three study areas will be conducted in early summer 2010. The results of these programs will be summarized in the 2010 WPP Annual Monitoring Report.

Appendix A

Yukon Environment Wildlife Research Permit 0056

Appendix B

Wildlife Records Program - YZC 2009 Wildlife Log & Tailings Storage Facility Wildlife Monitoring Reports

2009 Wildlife Monitoring Log

Date	Time	Location	Species	# of Animals	Activity
07-Jan-09	1030	Km 18-19	red fox	1	crossing the plateau.
12-Jan-09	1050	Km 31.5	black wolf	1	heading towards the lake.
01-Feb-09	1400	Km 27.2	ptarmigan	30	walking around the camp.
07-Feb-09	1300	Km 31	moose	1	
08-Feb-09	1600	Wolverine Lake	otters	3	catching fish @ the confluence.
10-Feb-09	1200	Km 31.5	moose	2	cow and calf.
11-Feb-09	1145	camp	marten	1	sitting on Henry's truck tire.
07-Mar-09	855	under storage 1	marten	1	under storage 1 steps.
07-Mar-09	905	garbage	marten	1	trying to eat it's way in.
08-Mar-09	1600	Km 26	lynx	1	heading towards the airstrip.
25-Mar-09	1500	R.Campbell Hwy	moose	3	strolling along the creek.
03-Apr-09	2000	over camp	bald eagle	1	flew over camp.
03-Apr-09	1130	kitchen deck	squirrel		sitting on kitchen deck.
04-Apr-09	800	Km 31	Red head/breast bird	2	flew across the road.
06-Apr-09	1200	outside cook shack	squirrel	1	chattering and climbing the trees.
09-Apr-09	1500	new camp	eagles	2	flying over camp pad.
10-Apr-09	700	YZC camp	fox	1	outside of kitchen.
11-Apr-09	700	YZC camp	fox	1	outside of kitchen.
11-Apr-09	1200	R.Campbell Hwy	lynx	1	on the road.
13-Apr-09	1000	new camp	eagles	1	hunting on the slope.
17-Apr-09	2300	portal	fox	1	walking around.
18-Apr-09	2100	camp	fox	1	sniffing around under deck.
20-Apr-09	1700	Km13.5	moose	2	running along side road.
22-Apr-09	1400	new camp	eagle	1	Flying around hunting for grouse
23-Apr-09	830	organic stockpile	fox	1	
24-Apr-09	830	YZC camp	squirrel	1	
24-Apr-09	1515	below yz camp	chipmunk	1	running for it's life.
29-Apr-09	1200	YZC camp	Crane	Many	Flying over camp.
30-Apr-09	1700	YZC camp	bald eagle	1	Flying over camp.
03-May-09	1330	YZC camp	squirrel	2	mating
04-May-09	1200	YZC camp	Crane	many	Flying over camp.
05-May-09	2030	Km 27.2	fox	1	running (really dark coat)

2009 Wildlife Monitoring Log

Date	Time	Location	Species	# of Animals	Activity
06-May-09	1030	km 23	owl	1	perched in tree.
06-May-09	1600-1700	km 25.5	Grizzly	1	fallowed ridge for an hour.
08-May-09	230	cabin 14	porcupine	1	on door step.
09-May-09	2330	km 29	porcupine	1	walking in ditch
09-May-09	130	km 30	fox	1	hunting.
10-May-09	130	km 30	fox	1	hunting
12-May-09	2330	km 31	porcupine	1	waddling away
12-May-09	1600	km 31	Grouse	1	looking like a fancy man
14-May-09	1760	above portal	Eagles	2	circling
14-May-09	2115	km 20	porcupine	1	walking beside road
14-May-09	2115	km 21	Grouse	1	standing on road
14-May-09	2135	km 31.5	porcupine	1	walking into bush
14-May-09	2135	km 31.5	Grouse	1	on road
20-May-09	1000	km 31	Cow and Calf	1+1	having brunch enjoying weather
21-May-09	2000	km 30	moose	1	
21-May-09	1115	km 31	porcupine	1	enjoying the view
22-May-09	1210	YZC camp	black ants	2	walking across counter
23-May-09	900	km 30	caribou	1	walking across road
24-May-09	1300	km 10	black wolf	1	ran across road
24-May-09	1900	km 30	porcupine	1	
26-May-09		Landfill	moose	3	Feeding on mountain above
26-May-09		Landfill	Gold Eagle	1	Flying around
26-May-09		9km	porcupine	1	Walking along road
27-May-09	915	Landfill	caribou	1	Feeding on mountain above
27-May-09	850	19.5	marten	1	ran across road
27-May-09	1100	km 30	moose	1	running down to lake
27-May-09	1315	Km 27.2	porcupine	1	on berm west side
28-May-09	830	Landfill	moose	1	Feeding on mountain above
29-May-09	1820	km 31	moose	1	watching
30-May-09	1115	km 32	porcupine	1	waddling away
31-May-09	1150	Landfill	moose	1	Feeding on mountain above
01-Jun-09		Landfill	moose	3	Cow and 2 calf's feeding
01-Jun-09		Airstrip	Chipmunk	1	Running
01-Jun-09	930	km 31.5	ptarmigan	1	crossing road
01-Jun-09	930	km 31.6	fox	1	crossing road
01-Jun-09	930	km 31.7	porcupine	1	crossing road
02-Jun-09	855	Landfill	moose	1	Feeding on mountain above

2009 Wildlife Monitoring Log

Date	Time	Location	Species	# of Animals	Activity
02-Jun-09	345	26.7	ptarmigan	1	eating pebbles
02-Jun-09	2045	Arctic	Blond Fox	1	hanging around
02-Jun-09	1900	km 31.5	Bull Moose	1	on road
02-Jun-09	1100	Wolv. Lake	otters	2	on ice
03-Jun-09	825	Landfill	moose	5	2 cows and 3 calves eating
03-Jun-09	1530	km 30	Cow moose	1	on road
04-Jun-09	900	Landfill	moose	5	2 cows and 3 calves eating
04-Jun-09	1030	km 31.5	porcupine	1	foraging
04-Jun-09	1145	Mag Road	spruce grouse	2	feeding
05-Jun-09	905	Landfill	moose	1	feeding on mountain above
06-Jun-09		Waste rock	chipmunk	1	running across road
06-Jun-09	145	16.5	moose	2	cow and calf feeding
06-Jun-09	215	6km	Rabbit	1	running across road
06-Jun-09	1345	km 16.5	Cow and Calf	1+1	having lunch
06-Jun-09	1430	km 6	rabbit	1	side of road
07-Jun-09	150	16.5	moose	2	cow and calf feeding
07-Jun-09	1200	old Km 2	Bull Moose	1	roaming
07-Jun-09	1352	km 6.5	Cow and Calf	1+1	having lunch
07-Jun-09	900	km 31	rabbit	1	crossing road
08-Jun-09	915	km 29	grouse	1	side of road
10-Jun-09	830	YZC camp	caribou	3	
10-Jun-09		Landfill	moose	1	
10-Jun-09		Landfill	caribou	1	
10-Jun-09		Landfill	eagle	1	
10-Jun-09		Landfill	fox	1	
10-Jun-09		27km	chipmunk	1	
10-Jun-09		YZC camp	chipmunk	1	
10-Jun-09	8-1000	YZC camp	caribou	2	grazing on mountain above
11-Jun-09			eagle	1	
12-Jun-09		Landfill	moose	1	
12-Jun-09		27km	chipmunk	1	
12-Jun-09	910	26.5	marten	1	
12-Jun-09	130		caribou	5	
12-Jun-09	1500	km 31	moose	1	
13-Jun-09		YZC camp	eagle	1	
13-Jun-09	930	Landfill	moose	2	cow and calf
13-Jun-09		15.5	caribou	3	
14-Jun-09	1020	Landfill	moose	2	cow and calf
16_Jun-09	330	Landfill	caribou	1	crossing road

2009 Wildlife Monitoring Log

Date	Time	Location	Species	# of Animals	Activity
17-Jun-09	1130	km 26.2	Cow and Calf	1+1	eating in swamp calf nursing
18-Jun-09		Landfill	moose	2	cow and calf
18-Jun-09	evening	km 15	swan	1	in the lake
18-Jun-09	evening	km 15	caribou	3	on mountain
18-Jun-09	evening	km 21	owl	1	in tree on the side of road
19-Jun-09	745	Landfill	moose	2	
19-Jun-09	800	Airstrip	porcupine	1	
19-Jun-09		15	porcupine	1	
19-Jun-09	930	km 19	bear	2	crossing plateau
19-Jun-09	1045	Highway	Bull Moose	2	on road
19-Jun-09	2100	below yz camp	porcupine	1	walking
20-Jun-09		Landfill	moose	2	cow and calf laying down
20-Jun-09	1130	Landfill	caribou	4	mountain above landfill
20-Jun-09	1400	Highway	rabbit	1	crossing road
21-Jun-09		Landfill	caribou	1	mountain above landfill
21-Jun-09		Landfill	fox	2	
22-Jun-09		Landfill	caribou	2	cow and calf on mountain
22-Jun-09		Landfill	caribou	1	
23-Jun-09	1200	km 31.5	eagle	1	flying
24-Jun-09	1530	km 6.5	Bull Moose	1	Grazing
25-Jun-09	2100	Arctic	moose	3	cow and 2 calf's
26-Jun-09	2125		duck	1	in pond below camp
29-Jun-09	1615	behind landfill	caribou	8	grazing on mountain above
29-Jun-09		Landfill	caribou	8	Feeding on mountain above
02-Jul-09		Wolverine Lake	caribou	2	across lake
03-Jul-09	1500	lake	Cow and Calf	1+1	
03-Jul-09	2100	km 31	rabbit	1	on road
06-Jul-09		24	caribou	1	crossing road
06-Jul-09	1400	km 8.5	Cow moose	1	side of road
07-Jul-09	1151	Arctic	Cow moose	1	grazing
07-Jul-09	1221	km 6	Bull Moose	1	on road
07-Jul-09	1350	km 6	Cow moose	1	in swan lake
07-Jul-00		km 24	beaver	1	swimming around his lodge
07-Jul-09	120	3	Bull Moose	1	on road
12-Jul-09		Airstrip	fox	1	
13-Jul-09		Landfill	fox	2	
13-Jul-09		Airstrip	caribou	1	

2009 Wildlife Monitoring Log

Date	Time	Location	Species	# of Animals	Activity
14-Jul-09		Landfill	porcupine	1	
17-Jul-09		Wolverine Lake	moose	1	at end of lake
17-Jul-09		Wolverine Lake	fox	1	eating trash
24-Jul-09		YZC camp	caribou	2	feeding above on mountain
24-Jul-09	1545	Airstrip	caribou	1	hanging around
24-Jul-09	1600	Airstrip	duck	5	in the bush
24-Jul-09	1700	portal	moose	3	by ditch 4
25-Jul-09	2100	k26	fox	1	eating
26-Jul-09	130	Airstrip	Grizzly	1	eating grass
26-Jul-09	715	Airstrip	caribou	1	bull feeding
26-Jul-09	830	Airstrip	fox	3	mom and babies
27-Jul-09	1719	17km	caribou	1	running on road
27-Jul-09	1723	18km	caribou	1	running across road
28-Jul-09		17km	caribou	1	running on road
28-Jul-09	1150	Landfill	Gold Eagle	1	flying around
29-Jul-09	830	17	caribou	1	crossing road
29-Jul-09	1015	16.5	caribou	1	running on road
29-Jul-09	830	17km	bull caribou	1	
29-Jul-09	1015	16.5km	bull caribou	1	
29-Jul-09	1355	26.1km	bull caribou	1	
29-Jul-09		Wolverine Lake	moose	1	
30-Jul-09	1056	14km	black wolf	1	ran across road
30-Jul-09	1058	km13	black wolf	1	ran across road
30-Jul-09	1106	5.5km	black wolf	1	ran across road
30-Jul-09	1145	14km	wolf pups	4	running on road
30-Jul-09	2325	13.2km	lynx	1	standing on road
30-Jul-09	2330	16.4km	porcupine	2	running along side road.
30-Jul-09	745	26.3km	red fox	1	
30-Jul-09	950	Landfill	Gold Eagle	2	
30-Jul-09	1305	gatehouse	wolf	1	
31-Jul-09	910	Landfill	bull caribou	1	
02-Aug-09	630	16km	wolf	2	ran off road
02-Aug-09	635	13.5km	wolf	1	ran off road
02-Aug-09	1820	13.5km	wolf	3	off the road
03-Aug-09	625	13.5	wolf	4	2 adults 2 pups ran off road
04-Aug-09	635	13.5	wolf	1	running down road
04-Aug-09	630	15km	wolf	1	black pup
04-Aug-09	840	15km	wolf	5	3 black pups 2 brown
04-Aug-09		30km	moose	1	
04-Aug-09	1200	km14	wolf	6	momma and 5 pups
05-Aug-09	615	18km	moose	1	on side of road
06-Aug-09	430	14km	wolf	10+	pack of wolves 2 adults at least 8 pups counted on road

2009 Wildlife Monitoring Log

Date	Time	Location	Species	# of Animals	Activity
06-Aug-09	1045	26km	caribou	1	on road
06-Aug-09	2000	16.5km	wolf	2	on road
06-Aug-09		26km	caribou	1	
06-Aug-09	1900	little wolverine	moose	3	Bull Cow and calf
07-Aug-09	255	16km	wolf	3	on road
07-Aug-09	850	18km	wolf	2	1 black 1 brown
07-Aug-09	750	landfill	red fox	1	
07-Aug-09	910	26.3km	moose	4	2 cows 2 bulls
08-Aug-09	815	15.5km	porcupine	1	
08-Aug-09	1525	little wolverine	moose	2	cow and a calf
08-Aug-09	1330	little wolverine	moose	1	cow feeding in water
08-Aug-09	1530	little wolverine	otter	1	swimming
08-Aug-09	2000	Airstrip	moose	3	cow calf and bull
09-Aug-09	2315	31.5km	fox	1	running on road
10-Aug-09			grouse	6	
11-Aug-09	1600	YZC camp	eagle	1	
13-Aug-09		km 14	wolf	2	pups
17-Aug-09	610	24km	grey wolf	1	side of road
17-Aug-09	100	10.5km	black wolf	1	running on road
17-Aug-09	1930	km11	wolf pack	few	walking
17-Aug-09	2130	km 31.5	Bull Moose	1	moosing
23-Aug-09	1905	km 13-14	Black Bear	1	Walking in the middle of the road.
24-Aug-09	1550	Landfill	bull caribou	1	
28-Aug-09		above camp	caribou	6	
28-Aug-09	1400	Wolverine Lake	Grizzly	1	
30-Aug-09	1100	Airstrip	porcupine	1	under warehousing
30-Aug-09	930	Airstrip	porcupine	1	
30-Aug-09	1345	eagle trail	caribou	1	
30-Aug-09	1345	eagle trail	Grizzly	1	
02-Sep-09	1330	little wolverine	moose	2	cow and calf by lake
04-Sep-09		outside gate	Grizzly	1	crossing highway
05-Sep-09	610	km 20	porcupine	1	on road
07-Sep-09	830	Airstrip	moose	3	1 bull 2 cows
08-Sep-09	1430	18.5km	caribou	5	bull and cows on mountain
12-Sep-09	2215	km 31, 28, 11, 5	porcupine	4	on the road.
13-Sep-09	2120	km 17.5	fox	1	in the cruhar area
19-Sep-09	1700	little wolverine	moose	2	cow and calf
19-Sep-09	1530	km24	bull moose	1	on road
20-Sep-09	1100	km 29	eagle	1	mountain side
20-Sep-09	915	Arctic	caribou	5	2 bulls 3 cows
21-Sep-09	825	km 5.5	cow moose	1	side of road
21-Sep-09		little wolverine	caribou	20	
21-Sep-09		eagle trail	moose	1	
21-Sep-09	1730	Arctic	caribou	3	
22-Sep-09	1050	km 7	lynx	1	crossing the road

2009 Wildlife Monitoring Log

Date	Time	Location	Species	# of Animals	Activity
30-Sep-09	138	km 0	fox	1	playing in culverts
03-Oct-09	1500	km 8.5	Bull Moose	1	on road
03-Oct-09	930	26.2	moose	1	bull
03-Oct-09	930	arctic	moose	1	bull
09-Oct-09	1433	km 26.1	Grizzly	1	crossing valley
09-Oct-09	1457	Called the all clear Grizzly left			
09-Oct-09	1611	km 26.1	Grizzly	1	Came back to airstrip
09-Oct-09	1445	landfill	grizzly	1	passing through
09-Oct-09	1617	Airstrip	grizzly	1	wondering around
14-Oct-09	1500	camp	fox	1	running around
14-Oct-09		km 24	bald eagle	1	sitting on a tree.
15-Oct-09	1000	26.2	moose	1	
16-Oct-09	600	25.8	fox	1	crossing road
16-Oct-09	1400	Km 26.5	Cow caribou	1	
17-Oct-09		mnt above ACL	caribou	5	feeding.
21-Oct-09	305	acl	fox	1	running through camp
21-Oct-09	350	YZC camp	fox	1	jump in and out of ironclad pick up
21-Oct-09	406	km 23	fox	1	running across road
21-Oct-09	1430	Km 27	fox	1	running across the road.
22-Oct-09	1250am	km 4	lynx	1	side of road
06-Nov-09	1500	portal	coyote	1	
07-Nov-09	445	kitchen deck	coyote	i	
10-Nov-09		Go creek	moose	2	Robin flying home saw from airplane
10-Nov-09		Go creek	caribou	13	Robin flying home saw from airplane
10-Nov-09	3:30 - 4pm	Out front of admin office	Coyote	1	Cruising around
11-Nov-09	3:30 - 4pm	Out front of admin office	Coyote	1 (same guy every day)	Cruising around
12-Nov-09	11am	In Wolverine Creek	ptarmigan	2	Landing in Creek bed; sqawking away
12-Nov-09	3:30pm	Out front of admin office	Hare (white)	1	Hopping towards bank
13-Nov-09	6am	Back of YZC kitchen	fox	1	Looking for food!
24-Nov-09	1115	camp	ptarmigan	14	feeding
26-Nov-09	morning	camp	fox	1	tryin to get garbage
27-Nov-09	morning	camp	fox	1	
28-Nov-09	morning	camp	fox	1 (same one everyday)	
02-Dec-09	morning	KM 30.5	Lynx	1	stalking wabbits
08-Dec-09	morning	camp	Marten	1	Peaking out of his/her hole
10-Dec-09	morning	Airstrip	Bull Moose	1	walking through valley
13-Dec-09	morning	Airstrip	moose	2	walking through valley

2009 Tailings Storage Facility Monitoring Log

Date Monitored	Monitored	Comments / Sign seen	Photos Taken (Y/N)
01-Jul-09	X		
02-Jul-09	X		
03-Jul-09			
04-Jul-09			
05-Jul-09			
06-Jul-09			
07-Jul-09	X		
08-Jul-09			
09-Jul-09			
10-Jul-09	X		
11-Jul-09			
12-Jul-09	X		
13-Jul-09	X		
14-Jul-09			
15-Jul-09			
16-Jul-09			
17-Jul-09			
18-Jul-09			
19-Jul-09			
20-Jul-09			
21-Jul-09	X		
22-Jul-09			
23-Jul-09	X		
24-Jul-09			
25-Jul-09	X		
26-Jul-09			
27-Jul-09			
28-Jul-09			
29-Jul-09			
30-Jul-09			
31-Jul-09			
01-Aug-09			
02-Aug-09			
03-Aug-09			
04-Aug-09	X		
05-Aug-09	X		
06-Aug-09			
07-Aug-09	X		
08-Aug-09	X		
09-Aug-09	X		
10-Aug-09			
11-Aug-09	X		
12-Aug-09			
13-Aug-09			
14-Aug-09			
15-Aug-09	X		
16-Aug-09	X		
17-Aug-09	X		
18-Aug-09			
19-Aug-09			
20-Aug-09			
21-Aug-09			
22-Aug-09			
23-Aug-09	X		
24-Aug-09	X		
25-Aug-09			
26-Aug-09			
27-Aug-09	X		
28-Aug-09			
29-Aug-09			
30-Aug-09	X		
31-Aug-09	X		

Date Monitored	Monitored	Comments / Sign seen	Photos Taken (Y/N)
01-Sep-09			
02-Sep-09			
03-Sep-09	X		
04-Sep-09			
05-Sep-09	X		
06-Sep-09			
07-Sep-09	X		
08-Sep-09			
09-Sep-09			
10-Sep-09	X		
11-Sep-09	X		
12-Sep-09	X		
13-Sep-09	X		
14-Sep-09	X		
15-Sep-09	X		
16-Sep-09	X		
17-Sep-09	X		
18-Sep-09	X		
19-Sep-09	X		
20-Sep-09	X		
21-Sep-09	X		
22-Sep-09	X		
23-Sep-09	X	Fresh bull	N
24-Sep-09	X		
25-Sep-09	X		
26-Sep-09	X	Caribou tracks found below dam	Y
27-Sep-09	X	Crane sighted below dam	Y
28-Sep-09	X		
29-Sep-09	X		
30-Sep-09	X		
01-Oct-09	X		
02-Oct-09	X		
03-Oct-09	X	Raven tracks found	Y
04-Oct-09	X		
05-Oct-09	X		
06-Oct-09	X		
07-Oct-09	X		
08-Oct-09	X		
09-Oct-09	X		
10-Oct-09	X		
11-Oct-09	X		
12-Oct-09	X	Fox tracks	Y
13-Oct-09	X	Fox tracks	
14-Oct-09	X		
15-Oct-09	X		
16-Oct-09	X	Fox tracks found above tailings	Y
17-Oct-09	X	Moose, fox, and wolf tracks found	Y
18-Oct-09	X		
19-Oct-09	X		
20-Oct-09	X	Fox tracks found	N
21-Oct-09	X		
22-Oct-09	X	Fox Tracks found	N
23-Oct-09	X		
24-Oct-09	X		
25-Oct-09	X	Marten tracks in and out of pond	N
26-Oct-09	X		
27-Oct-09	X		
28-Oct-09	X		
29-Oct-09	X		
30-Oct-09	X		
31-Oct-09	X		

Date Monitored	Monitored	Comments / Sign seen	Photos Taken (Y/N)
01-Nov-09	X		
02-Nov-09			
03-Nov-09	X		
04-Nov-09	X		
05-Nov-09	X		
06-Nov-09	X		
07-Nov-09	X		
08-Nov-09			
09-Nov-09			
10-Nov-09	X		
11-Nov-09	X		
12-Nov-09	X		
13-Nov-09	X		
14-Nov-09	X		
15-Nov-09	X		
16-Nov-09	X	Fox tracks, ~50m near pipe outlet	
17-Nov-09	X		
18-Nov-09	X		
19-Nov-09	X	Fox tracks	Y
20-Nov-09	X		
21-Nov-09	X	Fox tracks, ~10m near pipe outlet	Y
22-Nov-09	X		
23-Nov-09	X		
24-Nov-09	X	Fox tracks	Y
25-Nov-09	X		
26-Nov-09	X		
27-Nov-09	X		
28-Nov-09	X		
29-Nov-09	X		
30-Nov-09	X		
01-Dec-09	X		
02-Dec-09	X		
03-Dec-09	X		
04-Dec-09	X		
05-Dec-09	X		
06-Dec-09	X		
07-Dec-09	X		
08-Dec-09	X		
09-Dec-09	X		
10-Dec-09	X		
11-Dec-09	X		
12-Dec-09	X		
13-Dec-09	X		
14-Dec-09	X		
15-Dec-09	X		
16-Dec-09	X		
17-Dec-09			
18-Dec-09	X		
19-Dec-09	X		
20-Dec-09	X		
21-Dec-09	X		
22-Dec-09	X		
23-Dec-09			
24-Dec-09	X		
25-Dec-09			
26-Dec-09	X		
27-Dec-09	X		
28-Dec-09	X		
29-Dec-09	X		
30-Dec-09	X	Fox tracks	N
31-Dec-09	X	Old tracks	N

Appendix C

Winter Wildlife Monitoring - Transect Data

Instructions for completing the datasheet are provided below.

The information provided below is specific to the Track Survey Data portion of the datasheet.

1. Distance: record the distance sign was encountered along the transect.

2. Species code: for mammals are based, in general, on the first two letters in the genus and species.. Species codes for animals that some species that may be encountered during the program are provided in Table 1. It is possible other species that are not in this list may also be encountered during survey, and should be added to the list.

Wildlife Species Names and Codes

Common Name / Scientific Name / Species code

Lynx (*Lynx canadensis*) = LYCA

Coyote (*Canis latrans*) = CALA

Wolf (*Canis lupus*) = CALU

Fox (*Vulpes vulpes*) = VUVU

Wolverine (*Gulo gulo*) = GUGU

Fisher (*Martes pennanti*) = MAPE

Marten (*Martes americana*) = MAAM

Moose (*Alces alces*) = ALAL

Caribou (*Rangifer tarandus*) = RATA

Short-tailed Weasel (*Mustela erminea*) = MUER

Snowshoe hare (*Lepus americanus*) = LEAM

Rock ptarmigan (*Lagopus muta*) = LAMU

American mink (*Mustela vison*) = MUVI

American red squirrel (*Tamiasciurus hudsonicus*) = TAHU

Vole species (*Microtus spp.*) = MICR

3. Sign Type: The most likely sign types that will be encountered include visual observations of animals (V), scat (SC), pellets (P), tracks (TR), trail (TL), digging (DG), hair (H), bed (B), den (D), mineral lick (ML). If other sign is seen and is not included then be sure to record the new code and its definition on the datasheet.

4. Number of Sign: refers to the number of a type of sign seen. For example, a linear set of tracks are typically considered a trail, or the number of animal seen, sets of tracks, piles of scat, beds, etc.

5. Habitat: record the general habitat characteristics in the vicinity of where wildlife or wildlife sign were encountered. For example, were there any unique habitat features (e.g., coarse woody debris, wildlife trees, dense forest stand) or provide a general description of the structural characteristics.

The information provided below applies to the Snow Depth Data portion of the datasheet.

1. Distance: refers to the distance along the transect that snow depth data was measured and recorded.

2. Snow Depth (cm): refers to the snow depth measurements taken at each location. Three measurements of snow depth will be taken at a distance of about 1 m from each other. Measurements will be recorded to the nearest 0.5 cm.

3. Average Snow Depth (cm): The three snow depth measurements will be averaged to obtain this value. This measurement can be calculated at the mine site office after returning from the field.

4. Comments: provide any general comments on snow conditions that may affect the survey.

WINTER WILDLIFE MONITORING SURVEY**NOVEMBER**

Samplers JS/RM
 Date m/d/y 11/04/2009
 Start Time (24hr) 1330
 End Time (24hr) 1530
 Weather day before count: Temp(°C) -10
 Weather day of count: Temp(°C) -12
 Wind before count YES
 Wind day of count YES
 Time since last snow fall (hrs) 24
 Comments Old winter rd. Km 29

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
20	MAAM	TR	1	open road	Gate length heel- heel 61 cm indicates marten
50	LEAM	TL	2	sloping hill/cover available	Snowshoe hare "trail"
280	MAAM	TL	1	sloping hill/cover available	Old track (2+ days old)
465	MUER	TR/B	1	sloping hill/cover available	Slide marking
560	MUVI	TR	1	sloping hill/cover available	
560	MAAM	TR	1	sloping hill/cover available	67 cm between strides
1000	MUER	TR	1	riverine area/more open	
1090	MAAM	TR	1	riverine area/more open	Heel-Heel 67cm
1300	MUER	TR	1	riverine area/more open	Gate length = 41cm
1440	LEAM	TR	1	open area/closer to lake	
1480	MUER	TR	1	open area/closer to lake	
1490	LEAM	TR	1	open area/closer to lake	
1800	RATA	TR	2	cover avail./lake side	Gate length = 58 cm
1800	RATA	SC/TL	2	cover avail./lake side	Game trail
2380	MUER	TR	1	cover avail./lake side	

SNOW DEPTH DATA

Distance(m)	(cm)	(cm)	(cm)	(cm)	Comments
	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	
500	25.5	28	23.5	25.7	wp 750
1000	13.5	14	15	14.2	powder
1500	12	11	13.5	12.2	fluffy
2000	14	8	20	14	crisp
2500 (POT)	24	19	21	21.3	pot wp 759

DECEMBER

Samplers RM & JS
 Date m/d/y 02/12/2009
 Start Time (24hr) 12:55
 End Time (24hr) 13:50
 Weather day before count: Temp(°C) -10
 Weather day of count: Temp(°C) -15
 Wind before count 10-15 km/hr
 Wind day of count 10-15 km/hr
 Time since last snow fall (hrs) ~48

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
20	LEAM	TR	1	open road	1 day old
50	MUER	TR	1	sloping hill/cover available	1 day old
200	MUER	TR	1	sloping hill/cover available	1 day old
200	MAAM	TR	1	sloping hill/cover available	1 day old
340	MAAM	TL	1	sloping hill/cover available	well used trail
500	MAAM	TL	2	sloping hill/cover available	well used trails
600	MUER/MAAM	TL	3	sloping hill/cover available	well used trails
710	MUER	TL	3	sloping hill/cover available	well used trails
750	MUER	TR	1	sloping hill/cover available	1 day old
760	MAAM	TR	1	sloping hill/cover available	1 day old
1000	MAAM	TR	2	riverine area/more open	1 day old
1300	LEAM	TL	2	open area/closer to lake	
1380	LEAM	TL	1	open area/closer to lake	
1550	MUER	TR	1	open area/closer to lake	1 day old

* Many other 'old' tracks were observed but may be over a week old

SNOW DEPTH DATA	(cm)	(cm)	(cm)	(cm)	
Distance(m)	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	
0 (POC)	40	38	32	36.7	
500	29	27	33	29.7	
1000	29	31	32	30.7	
1500	23	28	22	24.3	
2000 (POT)	25	23	27	25.0	

WINTER WILDLIFE MONITORING SURVEY**NOVEMBER**

Samplers	BM/MM
Date m/d/y	11/13/2009
Start Time (24hr)	1400
End Time (24hr)	~1600
Weather day before count: Temp(°C)	-8
Weather day of count: Temp(°C)	-10
Wind before count	lots
Wind day of count	negligible
Time since last snow fall (hrs)	14
Comments	Road is ploughed up to powder mag

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
136	MAAM	TR	1	Sub-alpine	started @Campbell Creek, then went back
160	MAAM	TR	1	Sub-alpine	to powder mag rd. skidoo wont go over borrow.
350	MICR	TR	2	Sub-alpine	mouse or vole tracks
390	RATA	TR	2	Sub-alpine	
515	MUER	TR	1	Sub-alpine	photo 34&35 gate length=28 inches, heel=3 inches
775	MUER	TR	1	Sub-alpine	photo 36 &37 heel=3 inches, GL= 25 inches
965	MUVI	TR	1	Sub-alpine	
1085	LEAM	TR	1	Sub-alpine	back in the trees off road.photo 38
1520	MAAM	TR	1	Sub-alpine	
1700	MUER	TR	1	Sub-alpine	
1800	MAAM	TR	1	Sub-alpine	
1840	VUVU	TR	1	Sub-alpine	crosses road.
1840	MAAM	TR	1	Sub-alpine	back off the road.
1840	TAHU	TR	1	Sub-alpine	back off the road.
1860	MUER	TR	1	Sub-alpine	crosses road.
1860	LEAM	TR	1	Sub-alpine	just off road.

SNOW DEPTH DATA	(cm)	(cm)	(cm)	(cm)	
Distance(m)	Snow Depth #1	Snow Dept	Snow Depth#3	Avg. Snow depth	Comments
POC	30	32	33	31.7	used speedometer to measure distance
500	38	42	45	41.7	
965	43	52	38	44.3	
1440	25	21	27	24.3	
POT 1980	27	18	17	20.7	Very windy area. UTM: 439,798mN, 6,811,107mE

DECEMBER

Samplers	RM & JS
Date m/d/y	02/12/2009
Start Time (24hr)	14:00
End Time (24hr)	15:45
Weather day before count: Temp(°C)	-10
Weather day of count: Temp(°C)	-15
Wind before count	nil
Wind day of count	nil
Time since last snow fall (hrs)	~48
Comments	

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
40	MAAM	TR	1	Sub-alpine	1 day old
300	MAAM	TL	1	Sub-alpine	distinct trail
400	MAAM	UR/TR	1	Sub-alpine	a number of tracks lead to marking
650	MAAM	TR	1	Sub-alpine	1 day old
800	MAAM	TR	1	Sub-alpine	Very fresh (this morning)

* There are a number of old RATA and MAAM tracks all along the road - must be using as a corridor

SNOW DEPTH DATA	(cm)	(cm)	(cm)	(cm)	
Distance(m)	Snow Depth #1	Snow Dept	Snow Depth#3	Avg. Snow depth	Comments
0 (POC)	33	33	36	34.0	Used GPS for measuring distance
600	22	24	22	22.7	
1100 (POT)	25	22	27	24.7	

WINTER WILDLIFE MONITORING SURVEY**NOVEMBER**

Samplers	RM/MD			
Date m/d/y	11/09/2009			
Start Time (24hr)	1000			
End Time (24hr)	1100			
Weather day before count: Temp(°C)	-8			
Weather day of count: Temp(°C)	-12			
Wind before count	Nil	Precip.	Nil	
Wind day of count	Nil	Precip.	Nil	
Time since last snow fall (hrs)	~40			
Comments	Light snow 40 hrs ago			
Distance	Species Code	Sign Type	# of sign	Habitat
0	CALA	TR	1	sloping hill/cover to left - tailings to right
0	MAAM	TR	1	sloping hill/cover to left - tailings to right
30	VUVU	TR	1	sloping hill/cover to left - tailings to right
100	LEAM	TR	1	sloping hill/cover to left - tailings to right
120	MAAM	TR	1	sloping hill/cover to left - tailings to right
340	MUER	TR	1	sloping hill/cover to left - tailings to right
400	MAAM	TR	1	sloping hill/cover to left - tailings to right
650	MAAM	TR	1	sloping hill/cover to left - tailings to right

SNOW DEPTH DATA

Distance(m)	(cm) Snow Depth #1	(cm) Snow Depth #2	(cm) Snow Depth#3	(cm) Avg. Snow depth	Comments
POC	20.5	17	19.5	19.0	
500	24	18	25	22.3	
POT	19	20	20	19.7	

DECEMBER

Samplers	JS			
Date m/d/y	05/12/2009			
Start Time (24hr)	13:00			
End Time (24hr)	13:50			
Weather day before count: Temp(°C)	-15			
Weather day of count: Temp(°C)	-13			
Wind before count	0.5 km/hr	Precip.	nil	
Wind day of count	0.5 km/hr	Precip.	nil	
Time since last snow fall (hrs)	48			
Distance	Species Code	Sign Type	# of sign	Habitat
0	VUVU	TR	1	sloping hill/cover to left - tailings to right
100	VUVU	TR	1	sloping hill/cover to left - tailings to right
170	VUVU	TR	1	sloping hill/cover to left - tailings to right
300	VUVU	TR	1	sloping hill/cover to left - tailings to right
600	VUVU	TR	1	sloping hill/cover to left - tailings to right
650	ALAL	TR	1	sloping hill/cover to left - tailings to right
700	VUVU	TR	1	sloping hill/cover to left - tailings to right
800	VUVU	TR	1	sloping hill/cover to left - tailings to right

Distance(m)	(cm) Snow Depth #1	(cm) Snow Depth #2	(cm) Snow Depth#3	(cm) Avg. Snow depth	Comments
0 (POC)	32	35	35	34.0	
500	33	35	32	33.3	
800 (POT)	30	36	41	35.7	

**WINTER WILDLIFE MONITORING SURVEY
NOVEMBER**

Samplers	BM				
Date m/d/y	11/15/2009				
Start Time (24hr)	1445				
End Time (24hr)	1415				
Weather day before count: Temp(°C)	-8				
Weather day of count: Temp(°C)	-6				
Wind before count	Heavy	Precip.	Lots of snow		
Wind day of count	Nil	Precip.	Nil		
Time since last snow fall (hrs)	8				
Comments	Road has been ploughed, tracking on side of road.				
Distance	Species Code	Sign Type	# of sign	Habitat	Comments
POC	VUVU	TR	1	Open road/WRP on right	Started @ WRP- Power line work has started
0.1	LAMU	TR	many	Open road/WRP on right	
0.1	VUVU	TR	1	Open road/WRP on right	same fox as POC? walking down the road
0.3	VUVU/CALA	TR	1	Open road/cover on each side	old track
0.35	VUVU/CALA	TR	1	Open road/cover on each side	same track as 0.3?
					Fox walked all along the road to end of of transect and started @ WRS.

SNOW DEPTH DATA	(cm)	(cm)	(cm)	(cm)	
Distance(m)	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	Comments
POC	15	45	50	36.7	side of hill; lots of snow drift
500	26	44	23	31.0	
1000	44	50	42	45.3	Heavy snow drift area
1500	50	52	50	50.7	
POT2000	51	42	39	44.0	

DECEMBER

Samplers	JS				
Date m/d/y	05/12/2009				
Start Time (24hr)	13:30				
End Time (24hr)	14:00				
Weather day before count: Temp(°C)	-10				
Weather day of count: Temp(°C)	-15				
Wind before count	Nil	Precip.	none		
Wind day of count	Nil	Precip.	none		
Time since last snow fall (hrs)	~48				
Comments					
Distance	Species Code	Sign Type	# of sign	Habitat	Comments
50	CALA	TR	1	Open road/WRP on right	Fresh track and old tracks up and down road
100	VUVU	TR	1	Open road/WRP on right	
300	VUVU	TR	1	Open road/WRP on right	
600	VUVU	TR	1	Open road/cover on each side	
700	VUVU	TR	1	Open road/cover on each side	
SNOW DEPTH DATA	(cm)	(cm)	(cm)	(cm)	
Distance(m)	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	Comments
0 (POC)	23	22	19	21.3	
500	30	47	49	42.0	
800 (POT)	23	23	29	25.0	

Transect MSSA-WT05

WINTER WILDLIFE MONITORING SURVEY**NOVEMBER**

Samplers	RM/MD	Precip.	
Date m/d/y	11/07/2009	Precip.	
Start Time (24hr)	1015	Precip.	
End Time (24hr)	1300	Precip.	
Weather day before count: Temp(°C)	(-4 to -11)	Precip.	
Weather day of count: Temp(°C)	(-3 to -10)	Precip.	
Wind before count	0 to 20 km/hr	Precip.	very little...foggy
Wind day of count	Nil	Precip.	None
Time since last snow fall (hrs)	~36		

Comments

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
125	LAMU	TR/V	~10	willow/ riverine	1 day old
250	LAMU	TR/V	~5	willow/ riverine	1 day old
450	ALAL	TR	2	willow/ riverine	at least 3 days old
1000	RATA	TR	~3	willow/ riverine	tracks we snow covered but 3 distant tracks
1000	LAMU	TR/V	~10	willow/ riverine	first 1000 m is littered with tracks
1200	ALAL	TR	2	around airstrip	very distinct ~1 day old
1300	VUVU	TR	1	around airstrip	1 day old
1600	RATA/ALAL	TR	2	willow/ riverine	tracks not well defined
1780	CALA	TR	1	willow/ riverine	1 day old
1790	RATA/ALAL	TR	2	willow/ riverine	tracks ~3 to 5 days old
2130	VUVU	TR	1	willow/ riverine	1 day old
2320	ALAL	TR	1	willow/ riverine	Large tracks but ~2 to 3 days old
2400	RATA	TR	1 or 2	willow/ riverine	1 day old
2700	VUVU	TR	1	willow/ riverine	1 day old
2775	RATA	TR	5 or 6	willow/ riverine	~2 to 3 days old
2800	MAAM	TR	1	willow/ riverine	1 day old

SNOW DEPTH DATA

Distance(m)	(cm)	(cm)	(cm)	(cm)	Comments
	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	
POC	21	23	22	22	POC wp 760 UTM: 440,222mN, 6,810,352mE
450	23.5	24	30.5	26	
1000	17.5	20	19.5	19	
1600	36.5	31	31.5	33	
2130	29	31	27	29	
3000	33	34	41	36	
POT	37	31	33.5	33.8	POT wp 761 UTM: 442,661mN, 6,807,797mE

DECEMBER

Samplers	RM & GS	Precip.	none
Date m/d/y	11/12/2009	Precip.	
Start Time (24hr)	10:30	Precip.	
End Time (24hr)	11:30	Precip.	
Weather day before count: Temp(°C)	-11	Precip.	
Weather day of count: Temp(°C)	-14	Precip.	
Wind before count	10-15 km/hr	Precip.	
Wind day of count	5-10 km/hr	Precip.	
Time since last snow fall (hrs)	~193 hrs		

Comments

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
100	LAMU	V	~25	Willow - Riverine	Flock
150	CALA	TR	1	Willow - Riverine	2+ days old
190	CALA	DG/TR	1	Willow - Riverine	1 day old
0-500	LAMU	TR	MANY	Willow - Riverine	fresh tracks all over first 0.5 km below camp
1100	ALAL	TR	1	Around airstrip	Bull moose (one was seen here day before)
1310	RATA	B/TR	~20	Around airstrip	counted 20 laydown beds (1 - 2 days old)
1700	CALA	DG/TR	1	Willow - Riverine	1 day old
1710	MICR	V	1	Willow - Riverine	seen digging slowly in a sled track
2350	CALA	TR	1	Willow - Riverine	2+ days old
2380	LAMU	TR/V	~15	Willow - Riverine	Another flock with many fresh tracks
2410	ALAL	TR	1	Willow - Riverine	1 day old (could be same as above)
2530	VUVU	TR	1	Willow - Riverine	1 day old
3200	VUVU	DG/TR	1	Willow - Riverine	1 day old

SNOW DEPTH DATA

Distance(m)	(cm)	(cm)	(cm)	(cm)	Comments
	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	
0 (POC)	40	36	38	38.0	
500	38	32	39	36.3	
1000	40	24	34	32.7	
1500	35	35	34	34.7	
2000	60	45	49	51.3	
2500	48	53	39	46.7	
3000	54	48	44	48.7	
3550 (POT)	51	52	45	49.3	

**WINTER WILDLIFE MONITORING SURVEY
NOVEMBER**

Samplers RM/MD
 Date m/d/y 11/08/2009
 Start Time (24hr) 1240
 End Time (24hr) 1330
 Weather day before count: Temp(°C) -8
 Weather day of count: Temp(°C) -5
 Wind before count Little
 Wind day of count Little
 Time since last snow fall (hrs) ~19
 Comments

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
110	VUVU	TR	1	willow/rivine	1 day old
340	MAAM	TR	2	willow/rivine	1 day old
440	VUVU	TR	1	willow/rivine	1 day old
440	LAMU	TR	5 to 10	willow/rivine	1 day old
770	MAAM	TR	1	willow/rivine	1 day old
1210	MAAM	TR	1	willow/rivine	maybe the same one following trail
1460	LEAM	TR	1	willow/rivine	1 day old
1600	LEAM	TR	1	willow/rivine	1 day old
1650	ALAL	TR	2	willow/rivine	~2 days old
1650	MAAM	TR	1	willow/rivine	1 day old
1880	MAAM	TR	1	willow/rivine	1 day old
1950	MAAM	TR	1	willow/rivine	could be same one as above distance 1.88
2000	LEAM	TR	1	willow/rivine	1 day old

SNOW DEPTH DATA

Distance(m)	(cm)	(cm)	(cm)	(cm)	Comments
	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	
POC	18	21	21.5	20.2	
500	24	26	25.5	25.2	
1000	26	18	19.5	21.2	
2000	22	14	16	17.3	
POT @road	10	12	13.5	11.8	

DECEMBER

Samplers RM & GS
 Date m/d/y 11/12/2009
 Start Time (24hr) 1405
 End Time (24hr) 1500
 Weather day before count: Temp(°C) -11
 Weather day of count: Temp(°C) -14
 Wind before count 10-15 km/hr
 Wind day of count 5-10 km/hr
 Time since last snow fall (hrs) ~196
 Comments

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
120	LEAM	TR	1	open (willow domin.)	1 day old
150	MAAM	TR	2	open (willow domin.)	1 day old
250	RATA	TR	4	open (willow domin.)	2+ days old
280	MAAM	TR	1	open (willow domin.)	1 day old
440	LEAM	TR	2	cover (spruce domin.)	1 day old
440	LYCA	TR	1	cover (spruce domin.)	follow LEAM tracks up sled route
610	/	TL	2	cover (spruce domin.)	distinct game trail (with LEAM and MAAM tracks)
630	/	TL	1	cover (spruce domin.)	distinct game trail (with LEAM and MAAM tracks)
720	/	TL	1	cover (spruce domin.)	distinct game trail (with LEAM and MAAM tracks)
760	/	TL	2	cover (spruce domin.)	distinct game trail (with LEAM and MAAM tracks)
780	/	TL	1	cover (spruce domin.)	distinct game trail (with LEAM and MAAM tracks)
810	LEAM	TR	1	cover (spruce domin.)	2+ days old
820	LEAM	TR	1	cover (spruce domin.)	1 day old
880	RATA	TR	4	cover (spruce domin.)	1 day old
950	/	TL	2	cover (spruce domin.)	distinct game trail (with LEAM and MAAM tracks)
1150	/	TL	1	cover (spruce domin.)	1 day old

SNOW DEPTH DATA

Distance(m)	(cm)	(cm)	(cm)	(cm)	Comments
	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	
0 (POC)	36	32	35	34.3	used GPS to measure distance
500	44	46	42	44.0	
1000	40	38	44	40.7	
1300 (POT)	28	35	34	32.3	

WINTER WILDLIFE MONITORING SURVEY**NOVEMBER**

Samplers RM/MD
 Date m/d/y 11/08/2009
 Start Time (24hr) 1030
 End Time (24hr) 1235
 Weather day before count: Temp(°C) -8
 Weather day of count: Temp(°C) -5
 Wind before count 0-5 km/hr
 Wind day of count 0-5 km/hr
 Time since last snow fall (hrs) ~17
 Comments

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
0.28	ALAL/RATA	TR	4	willow-riverine valley	~5 days old
0.81	MAAM	TR	1	willow-riverine valley	~1 or 2 days old
1.34	MAAM	TR	1	willow-riverine valley	~1 or 2 days old
1.38	RATA	TR	2	willow-riverine valley	~4 or 5 days old
1.48	RATA	TR	1	willow-riverine valley	~4 or 5 days old
1.51	ALAL	TR	1	willow-riverine valley	~4 or 5 days old
1.51	LAMU	TR	2	willow-riverine valley	today
1.77	ALAL	TR	1	willow-riverine valley	today
1.84	ALAL	TR	4	willow-riverine valley	~1 day old
1.95	ALAL	TR	3	willow-riverine valley	could be same as above
1.95	LAMU	TR	5	willow-riverine valley	today
2.01	VUVU	TR	1	willow-riverine valley	today
2.41	LEAM	TR	1	willow-riverine valley	today
2.42	MAAM	TR	3 or 4	willow-riverine valley	today
2.48	MAAM	TR	3	willow-riverine valley	today
2.51	ALAL	TR	2	willow-riverine valley	older (3 or 4 days)
2.62	MAAM	TR	1	willow-riverine valley	today
2.88	VUVU	TR	1	willow-riverine valley	today
2.9	LEAM	TR	2	willow-riverine valley	today
3.12	MAAM	TR	3	willow-riverine valley	today
3.14	VUVU	TR	1	willow-riverine valley	today

SNOW DEPTH DATA

Distance(m)	(cm)	Snow Depth #1	(cm)	Snow Depth #2	(cm)	Snow Depth#3	(cm)	Avg. Snow depth	Comments
POC		12		13		17		14	POC: wp 763 UTM: 443,067mE, 6,807,663mN
500		20		23		11		18	
1000		22		26		19.5		22.5	
1500		20		24		28		24	
2000		22.5		24.5		22		23	
2500		23		20		18.5		20.5	

DECEMBER

Samplers RM & GS
 Date m/d/y 11/12/2009
 Start Time (24hr) 11:50
 End Time (24hr) 13:30
 Weather day before count: Temp(°C) -11
 Weather day of count: Temp(°C) -14
 Wind before count 10 - 15 km/hr
 Wind day of count 5 - 10 km/hr
 Time since last snow fall (hrs) ~194 hrs ago
 Comments

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
230	RATA	TR	2	Willow - Riverine	1 day old
450	RATA	TR	3	Willow - Riverine	2+ days old
560	MAAM	TR	1	Willow - Riverine	2+ days old
720	RATA	TR	04-Mar	Willow - Riverine	1 day old
740	ALAL	TR	2	Willow - Riverine	1 day old
780	MAAM	TR	2	Willow - Riverine	1 day old
880	ALAL	TR	1	Willow - Riverine	2+ days old
950	MAAM	TR	1	Willow - Riverine	1 day old
1000	RATA	TR	3	Willow - Riverine	2+ days old
1110	MAAM	TR	2	Willow - Riverine	1 day old
1200	MUER	TR	1	Willow - Riverine	1 day old
1210	MICR	TR	1	Willow - Riverine	1 day old
1300	MAAM	TR	1	Willow - Riverine	1 day old
1400	MAAM	TR	1	Willow - Riverine	1 day old
1410	MUER	TR	1	Willow - Riverine	1 day old
1810	MAAM	TR	1	Willow - Riverine	2+ days old
1850	RATA	TR	2	Willow - Riverine	1 day old
2000	RATA	TR	05-Mar	Willow - Riverine	2+ days old
2010	MAAM	TR	2	Willow - Riverine	1 day old
2220	ALAL	TR	1	Willow - Riverine	Bull - very new track (this morning!)
2330	MAAM	TR	1	Willow - Riverine	2+ days old
2400	VUVU	TR	1	Willow - Riverine	2+ days old
2450	RATA	TR	2	Willow - Riverine	2+ days old
2700	ALAL	TR	1	Willow - Riverine	1 day old
2800	MAAM	TR	1	Willow - Riverine	1 day old
2820	MUER	TR	1	Willow - Riverine	1 day old
2900	LEAM	TR	1	Willow - Riverine	1 day old
3300	MAAM	TR	1	Willow - Riverine	1 day old

SNOW DEPTH DATA

Distance(m)	(cm)	Snow Depth #1	(cm)	Snow Depth #2	(cm)	Snow Depth#3	(cm)	Avg. Snow depth	Comments
0 (POC)		40		52		54		48.7	
500		46		45		48		46.3	
1000		52		50		45		49.0	
1500		31		32		29		30.7	
2000		42		43		45		43.3	
2500		44		50		51		48.3	
3000		44		50		54		49.3	
3500 (POT)		36		32		35		34.3	

WINTER WILDLIFE MONITORING SURVEY**NOVEMBER**

Samplers	BM/JG			
Date m/d/y	11/19/2009			
Start Time (24hr)	950			
End Time (24hr)	1210			
Weather day before count: Temp(°C)	-14			
Weather day of count: Temp(°C)	-22			
Wind before count	Some	Precip.		Light snow
Wind day of count	None	Precip.		None
Time since last snow fall (hrs)	~24			
Comments	Did not detect any signs of tracks until almost 1/4 way down the transect.			
Distance	Species Code	Sign Type	# of sign	Habitat
1250	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1490	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1530	MAAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1540	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1550	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1550	MAAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1550	MAAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1570	MAAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1580	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1640	LEAM/MAAM	TL	1	Boreal lowland / covered habitat (spruce dom.)
1650	LEAM	TR	2	Boreal lowland / covered habitat (spruce dom.)
1660	LEAM/MAAM	TL	1	Boreal lowland / covered habitat (spruce dom.)
1690	LEAM/MAAM	TL	1	Boreal lowland / covered habitat (spruce dom.)
1860	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1870	LEAM	TR	many	Boreal lowland / covered habitat (spruce dom.)
1890	LEAM	TR	many	Boreal lowland / covered habitat (spruce dom.)
1930	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1950	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1950	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1970	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)
1980	LEAM	TR	1	Boreal lowland / covered habitat (spruce dom.)

SNOW DEPTH DATA

Distance(m)	(cm)	(cm)	(cm)	(cm)	Comments
	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	
POC	24	29	29	27.3	
500	30	28	33	30.3	
1000	23	26	20	23.0	
1500	19	11	24	18.0	
1970	24	23	28	25.0	
POT	27	27	20	24.7	UTM: 452,488mE, 6,816,721

DECEMBER

Samplers	RM & JS			
Date m/d/y	07/12/2009			
Start Time (24hr)	11:20			
End Time (24hr)	12:25			
Weather day before count: Temp(°C)	-15			
Weather day of count: Temp(°C)	-15			
Wind before count	0-5 km/hr	Precip.		nil
Wind day of count	0-5 km/hr	Precip.		nil
Time since last snow fall (hrs)	~96			
Comments				
Distance	Species Code	Sign Type	# of sign	Habitat
300	MICR	TL	1	Boreal lowland / covered habitat (spruce dom.)
1050	MUER	TR	1	Boreal lowland / covered habitat (spruce dom.)
1350	LYCA	TR	1	Boreal lowland / covered habitat (spruce dom.)
1500	MUER	TR	1	Boreal lowland / covered habitat (spruce dom.)
2100 (POT)	MAAM	TR	1	Boreal lowland / covered habitat (spruce dom.)

* There are many older tracks (1+ weeks) but very few fresh tracks

Distance(m)	(cm)	(cm)	(cm)	(cm)	Comments
	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	
0 (POC)	28	24	24	25.3	
500	24	26	28	26.0	
1000	24	27	26	25.7	
1510	21	18	23	20.7	
2000 (POT)	24	20	15	19.7	

WINTER WILDLIFE MONITORING SURVEY**NOVEMBER**

Samplers	BM/JG			
Date m/d/y	11/22/2009			
Start Time (24hr)	1025			
End Time (24hr)	1425			
Weather day before count: Temp(°C)	-14			
Weather day of count: Temp(°C)	-16			
Wind before count	Light	Precip.	None	
Wind day of count	Nil	Precip.	None	
Time since last snow fall (hrs)	~8			
Comments	Snowed only $\frac{1}{2}$ inch last night. Possible snowmobile trail @ Km 6 sign, going down to lake on a diagonal line.			
Distance	Species Code	Sign Type	# of sign	Habitat
POC	ALAL	TR	1	Boreal Highland / sloping hill in cover
4	LEAM	TR	1	Boreal Highland / sloping hill in cover
6	LEAM	TR	1	Boreal Highland / sloping hill in cover
12	?	TR	1	Boreal Highland / sloping hill in cover
16	MAAM	TR	1	Boreal Highland / sloping hill in cover
25	LEAM	TR	many	Boreal Highland / sloping hill in cover
50.9	LEAM			Boreal Highland / sloping hill in cover
70	LEAM	TR	1	Boreal Highland / sloping hill in cover
87	LEAM	TR/TL	2	Boreal Highland / sloping hill in cover
107	LEAM	TR	many	Boreal Highland / sloping hill in cover
115	LEAM	scat	1	Boreal Highland / sloping hill in cover
121	LEAM	scat	1	Boreal Highland / sloping hill in cover
147	LEAM	TR	many	Boreal Highland / sloping hill in cover
162	LEAM	scat	1	Boreal Highland / sloping hill in cover
182	MAAM	1	1	Boreal Highland / sloping hill in cover
186	MAAM	1	1	Boreal Highland / sloping hill in cover
192	LEAM	1	1	Boreal Highland / sloping hill in cover
250	/	TL	1	Boreal Highland / sloping hill in cover
268	/	TL	1	Boreal Highland / sloping hill in cover
271	LEAM	TR	many	Boreal Highland / sloping hill in cover
271	MAAM/weasel?	TR	1	Boreal Highland / sloping hill in cover
336	LEAM	TR	1	Boreal Highland / sloping hill in cover
415	LEAM	TR	1	Boreal Highland / sloping hill in cover
433	LEAM	TL/TR	2	Boreal Highland / sloping hill in cover
442	LEAM	TR	1	Boreal Highland / sloping hill in cover
459	LEAM	TL/TR	2	Boreal Highland / sloping hill in cover
476	LEAM	TR	1	Boreal Highland / sloping hill in cover
480	LEAM	TR	1	Boreal Highland / sloping hill in cover
488	?	B	1	Boreal Highland / sloping hill in cover
489	LEAM	TR	1	Boreal Highland / sloping hill in cover
496	LEAM	TR	1	Boreal Highland / sloping hill in cover
508	LEAM	TR	1	Boreal Highland / sloping hill in cover
541	LEAM	TR	1	Boreal Highland / sloping hill in cover
579	VUVU	TR	1	Boreal Highland / sloping hill in cover
580	LEAM	TR	1	Boreal Highland / sloping hill in cover
582	/	TL	1	Boreal Highland / sloping hill in cover
621	LEAM	TR	1	Boreal Highland / sloping hill in cover
640	LEAM	TR	2	Boreal Highland / sloping hill in cover
659	LEAM	TR	1	Boreal Highland / sloping hill in cover
709	VUVU	TR	1	Boreal Highland / sloping hill in cover
712	LEAM	TR	1	Boreal Highland / sloping hill in cover
740	LEAM	TR	1	Boreal Highland / sloping hill in cover
742	/	TL	1	Boreal Highland / sloping hill in cover
753	/	TL	1	Boreal Highland / sloping hill in cover
785	LEAM	TR	1	Boreal Highland / sloping hill in cover
836	LYCA	TR	1	Boreal Highland / sloping hill in cover
843	LEAM	TR	2	Boreal Highland / sloping hill in cover
885	LEAM	TR	1	Boreal Highland / sloping hill in cover
933	LEAM	TR	1	Boreal Highland / sloping hill in cover
950	LEAM	TR		Boreal Highland / sloping hill in cover
961	LEAM	TR	many	Boreal Highland / sloping hill in cover
1030	LEAM	TR	1	Boreal Highland / sloping hill in cover
1060	LEAM	TR	many	Boreal Highland / sloping hill in cover
1100	/	TL	1	Boreal Highland / sloping hill in cover
1140	LEAM	TL/TR	2	Boreal Highland / sloping hill in cover
1170	LYCA?	TR	1	Boreal Highland / sloping hill in cover
1180	LEAM	TR	many	Boreal Highland / sloping hill in cover
1230	LEAM	TR	1	Boreal Highland / sloping hill in cover
1250	LEAM	TL/TR	many	Boreal Highland / sloping hill in cover
1300	LEAM	TL/TR	2	Boreal Highland / sloping hill in cover
1310	/	TL	1	Boreal Highland / sloping hill in cover
1360	LEAM	TR	1	Boreal Highland / sloping hill in cover
1580	LEAM	TR	2	Boreal Highland / sloping hill in cover
1600	LEAM	TL/TR	2	Boreal Highland / sloping hill in cover
1680	ALAL	TR	1	Boreal Highland / sloping hill in cover
1850	MUER	TR	1	Boreal Highland / sloping hill in cover
1940	/	TL	2	Boreal Highland / sloping hill in cover
1950	LEAM	TR	1	Boreal Highland / sloping hill in cover
SNOW DEPTH DATA				
Distance(m)	Snow Depth #1 (cm)	Snow Depth #2 (cm)	Snow Depth#3 (cm)	Avg. Snow depth (cm)
POC	29	32	29	30.0
500	20	21	26	22.3
1000	27	27	25	26.3
1500	40	29	30	33.0
1970	20	21	35	25.3
				Comments UTM 450,565mE 6,814,265mN

DECEMBER

Samplers JS & RM
 Date m/d/y 04/12/2009
 Start Time (24hr) 10:40
 End Time (24hr) 13:00
 Weather day before count: Temp(°C) -8
 Weather day of count: Temp(°C) -10
 Wind before count 0-5 km/hr
 Wind day of count Nil
 Time since last snow fall (hrs) ~24

Precip.	2-3 inches previous day
Precip.	nil

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
100	LEAM	TL	1	Boreal Highland / sloping hill in cover	2+ days old
350	LEAM	TR	1	Boreal Highland / sloping hill in cover	today
355	LYCA	TR	1	Boreal Highland / sloping hill in cover	following LEAM tracks
360	LEAM	TL	2	Boreal Highland / sloping hill in cover	
550	LEAM	TR	1	Boreal Highland / sloping hill in cover	2+ days old
570	LEAM	TR	1	Boreal Highland / sloping hill in cover	2+ days old
600	LEAM	TL	1	Boreal Highland / sloping hill in cover	1 day old
780	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
800	LEAM	TR	1	Boreal Highland / sloping hill in cover	tracks lead up a tree
940	MUER	TR	1	Boreal Highland / sloping hill in cover	1 day old
1010	CALU	TR	4	Boreal Highland / sloping hill in cover	fresh from this morning - tracking LEAM
1030	CALU	TR/UR	1	Boreal Highland / sloping hill in cover	Marking on tree
1040	LEAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1100	LEAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1120	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1140	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1260	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1280	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1310	LEAM	TR	1	Boreal Highland / sloping hill in cover	2+ days old
1310	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1680	MICR	TR	1	Boreal Highland / sloping hill in cover	1 day old
1720	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1800	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1880	LEAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
1940	LEAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
SNOW DEPTH DATA					
Distance(m)	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	Comments
0 (POC)	31	28	40	33.0	
500	37	40	28	35.0	
1000	21	31	34	28.7	
1500	32	33	39	34.7	
2100 (POC)	36	38	29	34.3	

Transect PCSA-WT03

WINTER WILDLIFE MONITORING SURVEY

DECEMBER RM & GS
 Samplers 13/12/2009
 Date m/d/y 10:15
 Start Time (24hr) 12:00
 End Time (24hr) -25
 Weather day before count: Temp(°C) -28
 Weather day of count: Temp(°C) 10-15 km/hr
 Wind before count 5-10 km/hr Precip. nil
 Wind day of count ~36 hrs Precip. nil
 Time since last snow fall (hrs)
 Comments

Distance	Species Code	Sign Type	# of sign	Habitat	Comments
5	LEAM	TR	1	Boreal Highland / sloping hill in cover	fresh - 1 day old
30	LEAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
120	LEAM	TR	1	Boreal Highland / sloping hill in cover	1 day old
155	CALU	TR	2	Boreal Highland / sloping hill in cover	4+ days old
640	LEAM	TR	1	Boreal Highland / sloping hill in cover	2+ days old
720	LEAM	TR	1	Boreal Highland / sloping hill in cover	2+ days old
910	LEAM	TR	1	Boreal Highland / sloping hill in cover	2+ days old
920	MAAM	TR	1	Boreal Highland / sloping hill in cover	1 day old

SNOW DEPTH DATA	(cm)	(cm)	(cm)	(cm)	
Distance(m)	Snow Depth #1	Snow Depth #2	Snow Depth#3	Avg. Snow depth	Comments
0 (POC)	27	36	37	33.3	
500	32	39	34	35.0	
1000 (POT)	31	28	39	32.7	

Appendix D

Total Metals Levels in Vegetation – Summary Data

Total Metals Levels in Vegetation – Summary Data

Symbol Unit RDL	Sample Date	Moisture %	Total Metals by ICPMS																														
			Aluminum AL mg/kg 1	Antimony Sb mg/kg 0.1	Arsenic As mg/kg 0.01	Barium Ba mg/kg 0.1	Beryllium Be mg/kg 0.1	Bismuth Bi mg/kg 0.1	Boron B mg/kg 5	Cadmium Cd mg/kg 0.01	Calcium Ca mg/kg 10	Chromium Cr mg/kg 0.5	Cobalt Co mg/kg 0.1	Copper Cu mg/kg 0.5	Iron Fe mg/kg 10	Lead Pb mg/kg 0.01	Magnesium Mg mg/kg 10	Manganese Mn mg/kg 0.1	Mercury Hg mg/kg 0.01	Molybdenum Mo mg/kg 0.1	Nickel Ni mg/kg 0.1	Phosphorus P mg/kg 10	Potassium K mg/kg 10	Selenium Se mg/kg 0.01	Silver Ag mg/kg 0.05	Sodium Na mg/kg 10	Strontium Sr mg/kg 0.1	Thallium Tl mg/kg 0.05	Tin Sn mg/kg 0.1	Titanium Ti mg/kg 1	Uranium U mg/kg 0.05	Vanadium V mg/kg 2	Zinc Zn mg/kg 0.1
2009-Salix-MSSA02-01A	20-Aug-09	71	30	0.1	0.02	9.7	0.1	0.1	8	0.98	14400	0.9	0.5	4.2	77	0.07	3210	359	0.01	0.3	0.7	5420	7520	0.8	0.05	15	37.6	0.05	0.1	3	0.05	2	364
2009-Salix-MSSA02-01B	20-Aug-09	72	30	0.1	0.02	6.7	0.1	0.1	5	0.35	9120	0.5	0.5	3.2	75	0.08	2060	352	0.05	0.2	0.5	3110	5820	1.2	0.05	24	24.1	0.05	0.1	2	0.05	2	243
2009-Salix-MSSA05-01C	20-Aug-09	68	62	0.1	0.07	67.8	0.1	0.1	6	5.28	14100	0.05	0.3	3.6	145	0.34	2010	322	0.01	0.3	1	2180	6510	0.13	0.05	16	45.9	0.05	0.1	3	0.05	2	344
2009-Salix-MSSA01-02A	20-Aug-09	65	102	0.1	0.03	134	0.1	0.1	5	2.79	11600	0.05	2.5	4.7	149	0.12	1490	486	0.02	0.1	7.5	3920	12200	0.1	0.05	10	48.6	0.05	0.1	5	0.05	2	48
2009-Salix MSSA05-01A	20-Aug-09	70	72	0.1	0.08	76.1	0.1	0.1	7	5.12	14600	0.05	0.2	4.1	159	0.46	2260	266	0.01	0.2	0.9	2400	5270	0.1	0.05	14	50.5	0.05	0.1	3	0.05	2	407
2009-Salix-MSSA02-01C	20-Aug-09	72	30	0.1	0.02	6.6	0.1	0.1	7	0.93	11100	0.9	0.3	3.2	76	0.08	2560	378	0.01	0.3	0.6	5140	8180	0.74	0.05	10	27.9	0.05	0.1	2	0.05	2	339
2009-Salix-MSSA05-01B	20-Aug-09	71	60	0.1	0.07	57.2	0.1	0.1	5	6.53	11700	6.6	0.4	3.9	161	0.34	1870	252	0.01	1.2	5	2700	6710	0.15	0.05	13	39.8	0.05	0.1	4	0.05	2	299
2009-Salix-MSSA01-02B	20-Aug-09	67	142	0.1	0.05	188	0.1	0.1	5	3.44	14400	0.9	2.4	5.3	213	0.14	1870	582	0.01	0.1	7.6	4170	12000	0.09	0.05	11	60.4	0.05	0.1	8	0.05	2	47
2009-Salix-MSSA01-02C	20-Aug-09	65	130	0.1	0.05	127	0.1	0.1	5	2.7	9410	10.9	2.2	5.3	246	0.12	1420	395	0.01	1.2	12.5	3440	10300	0.09	0.05	10	39.5	0.05	0.1	7	0.05	2	55.7
2009-Salix-PCSA-01C	27-Aug-09	68	124	0.1	0.05	121	0.1	0.1	9	2.07	17800	30.3	1.4	4.8	319	0.09	4150	187	0.01	3.8	20.6	1700	13700	0.1	0.05	11	36	0.05	0.1	8	0.05	2	44.7
2009-Salix-PCSA-01	27-Aug-09	59	66	0.1	0.03	78.5	0.1	0.1	5	4.01	10000	6.9	1.4	6.4	126	0.04	1730	898	0.01	0.7	6.2	1630	4920	0.02	0.05	17	30.9	0.05	0.1	3	0.05	2	270
2009-Salix-PCSA-02	27-Aug-09	56	69	0.1	0.03	81.8	0.1	0.1	5	4.13	10700	0.05	1.5	6	99	0.05	2000	945	0.01	0.1	2.7	1620	6000	0.02	0.05	16	34.3	0.05	0.1	3	0.05	2	283
2009-Salix- PCSA-03	27-Aug-09	53	19	0.1	0.04	16.5	0.1	0.1	20	6.19	7320	15.3	0.9	4.1	123	0.04	2270	511	0.01	1.2	11	852	4690	0.11	0.05	10	28.8	0.05	0.1	1	0.05	2	153
2009-Salix-PCSA-04	27-Aug-09	53	19	0.1	0.03	9.4	0.1	0.1	18	4.27	6070	3.2	0.7	3.3	82	0.05	2160	528	0.01	0.4	3.6	820	6950	0.13	0.05	10	23	0.05	0.1	1	0.05	2	126
2009-Salix-PCSA-05	27-Aug-09	69	69	0.1	0.05	134	0.1	0.1	8	2.63	18200	8.7	0.8	4.1	186	0.06	4280	221	0.01	1.8	6.5	1470	13000	0.04	0.05	10	38.4	0.05	0.1	5	0.05	2	60.8
2009-Salix-PCSA-06	27-Aug-09	72	75	0.1	0.03	159	0.1	0.1	8	2.25	21300	1.7	0.6	3.2	149	0.07	4320	192	0.01	0.4	2.5	1380	12100	0.05	0.05	10	44.2	0.05	0.1	6	0.05	2	46.3
2009-Salix-PCSA-07	27-Aug-09	56	11	0.1	0.03	15.9	0.1	0.1	16	0.38	7160	8.8	0.8	2.9	81	0.04	2360	800	0.01	1	5.7	742	4660	0.03	0.05	10	35.3	0.05	0.1	1	0.05	2	109
2009-Salix-PCSA-08	27-Aug-09	55	13	0.1	0.03	17.6	0.1	0.1	18	0.41	8010	0.05	0.5	2.9	53	0.05	2410	728	0.01	0.2	0.4	854	5420	0.03	0.05	10	39.5	0.05	0.1	1	0.05	2	135
2009-Salix-PCSA-09	27-Aug-09	56	20	0.1	0.04	43.4	0.1	0.1	7	3.79	17800	1	0.4	3.1	69	0.07	3740	47.7	0.01	0.2	1	988	5100	0.1	0.05	10	70.5	0.05	0.1	1	0.05	2	143

Appendix E

Small Mammals Capture Data and Sample Identification Numbers

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MC-01	MCRA-04	13-Aug-09	1	ST	1	-	9:25	2009-LESI-MCRA04-01	M-LESI	170	F	SA	-	-	-	-	-	-	-
MC-02	MCRA-04	13-Aug-09	1	ST	2	SPR	9:25	-	-	-	-	-	-	-	-	-	-	-	
MC-03	MCRA-04	13-Aug-09	2	ST	1	-	9:35	2009-LESI-MCRA04-02	M-LESI	64	M	A	-	-	-	-	-	BREEDING MALE	-
MC-04	MCRA-04	13-Aug-09	3	ST	1	-	9:40	2009-LESI-MCRA04-03	M-LESI	14	F	SA	-	-	-	-	-	-	-
MC-05	MCRA-04	13-Aug-09	4	ST	1	-	9:48	2009-MIPE-MCRA04-04	M-MIPE	14	M	SA	76	34	19	13	MOTTLED GREY/BROWN	LONG TAIL	668
MC-06	MCRA-04	13-Aug-09	5	ST	1	-	9:56	2009-LESI-MCRA04-05	M-LESI	52	F	A	-	-	-	-	-	PREGNANT	669
MC-07	MCRA-04	13-Aug-09	6	ST	1	-	10:06	2009-MIPE-MCRA04-06	M-MIPE	12.5	F	J	-	-	-	-	-	-	670
MC-08	MCRA-04	13-Aug-09	6	ST	2	-	10:08	2009-MIPE-MCRA04-07	M-MIPE	20.5	F	SA	-	-	-	-	-	-	672
MC-09	MCRA-04	13-Aug-09	7	ST	1	-	10:12	2009-CLRU-MCRA04-08	M-CLRU	18	F	SA	-	-	-	-	-	-	673
MC-10	MCRA-04	13-Aug-09	7	ST	2	-	10:14	2009-MIPE-MCRA04-09	M-MIPE	25.5	M	SA	-	-	-	-	-	-	674
MC-11	MCRA-04	13-Aug-09	7	PF	1	-	10:22	2009-MIPE-MCRA04-10	M-MIPE	22	F	SA	-	-	-	-	-	-	677
MC-12	MCRA-04	13-Aug-09	9	ST	1	-	10:30	2009-LESI-MCRA04-11	M-LESI	62	F	A	-	-	-	-	-	POSSIBLY LACTATING	675
MC-13	MCRA-04	13-Aug-09	9	ST	2	-	10:32	2009-SOMO-MCRA04-12	M-SOMO	6.3	?	A	65	49	14	9	BROWNISH WITH BLACK HAIR ROOTS; CREAMY WHITE UNDERBELLY	BICOLOURED TAIL	676
MC-14	MCRA-04	13-Aug-09	10	ST	1	-	10:50	2009-MIPE-MCRA04-13	M-MIPE	42	F	A	-	-	-	-	-	-	678
MC-15	MCRA-04	13-Aug-09	10	ST	2	-	10:55	2009-MIPE-MCRA04-14	M-MIPE	23	M	A	-	-	-	-	-	-	679
MC-16	MCRA-04	13-Aug-09	10	PF	1	-	10:55	2009-MIPE-MCRA04-15	M-MIPE	28	M	A	-	-	-	-	-	-	680
MC-17	MCRA-04	13-Aug-09	10	PF	1	-	10:55	2009-LESI-MCRA04-16	M-LESI	78	M	A	-	-	-	-	-	-	681
MC-18	MCRA-04	13-Aug-09	11	ST	1	SPR	11:10	-	-	-	-	-	-	-	-	-	BLOOD PRESENT; BAIT EATEN	-	
MC-19	MCRA-04	13-Aug-09	11	ST	2	SPR	11:10	-	-	-	-	-	-	-	-	-	-	-	
MC-20	MCRA-04	13-Aug-09	12	ST	1	-	11:12	2009-MIPE-MCRA04-17	M-MIPE	19	F	SA	-	-	-	-	-	WAS ALIVE IN TRAP BUT INJURED	682
MC-21	MCRA-04	13-Aug-09	13	ST	1	-	11:20	2009-LESI-MCRA04-19	M-LESI	18.5	F	SA	82	19	18	10	-	-	685
MC-22	MCRA-04	13-Aug-09	13	ST	2	-	11:20	2009-LISP-MCRA04-18	B-LISP	-	-	-	-	-	-	-	-	683/684	
MC-23	MCRA-04	13-Aug-09	14	ST	1	-	11:35	2009-MIPE-MCRA04-20	M-MIPE	24	F	A	-	-	-	-	-	-	686
MC-24	MCRA-04	13-Aug-09	14	ST	2	SPR	11:35	-	-	-	-	-	-	-	-	-	-	-	
MC-25	MCRA-04	13-Aug-09	17	ST	1	SPR	11:45	-	-	-	-	-	-	-	-	-	-	-	
MC-26	MCRA-04	13-Aug-09	18	ST	1	-	11:50	2009-MIPE-MCRA04-21	M-MIPE	22.5	F	A	-	-	-	-	-	-	687
MC-27	MCRA-04	13-Aug-09	19	ST	1	SPR	11:55	-	-	-	-	-	-	-	-	-	-	-	
MC-28	MCRA-04	13-Aug-09	19	ST	2	-	11:58	2009-CLRU-MCRA04-22	M-CLRU	29	M	A	-	-	-	-	-	-	688
MC-29	MCRA-04	13-Aug-09	20	ST	1	-	12:05	2009-SOCI-MCRA04-23	M-SOCI	5.7	-	A	45	45	19	9	BICOLOURED TAIL; BROWN WITH DARK ROOT HAIR	-	689
MC-30	MCRA-04	13-Aug-09	21	PF	1	-	12:15	2009-SOCI-MCRA04-24	M-SOCI	3.5	-	J	42	39	11	8	BICOLOURED TAIL; BROWN WITH DARK ROOT HAIR	-	690
MC-31	MCRA-04	13-Aug-09	22	ST	1	SPR	12:15	-	-	-	-	-	-	-	-	-	-	-	
MC-32	MCRA-04	13-Aug-09	23	ST	1	-	12:15	2009-MIPE-MCRA04-25	M-MIPE	49.5	M	A	-	-	-	-	-	-	691
MC-33	MCRA-04	13-Aug-09	23	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MC-34	MCRA-04	13-Aug-09	25	ST	1	-	-	2009-MIPE-MCRA04-26	M-MIPE	18.5	F	SA	-	-	-	-	-	-	692
MC-35	MCRA-04	13-Aug-09	27	ST	1	-	-	2009-CLRU-MCRA04-27	M-CLRU	19	F	SA	-	-	-	-	-	-	693
MC-36	MCRA-04	13-Aug-09	29	ST	1	-	13:50	2009-LESI-MCRA04-28	M-LESI	26	F	A	-	-	-	-	-	-	694
MC-37	MCRA-04	13-Aug-09	31	ST	1	-	13:56	2009-LESI-MCRA04-29	M-LESI	22.5	F	A	-	-	-	-	-	-	695
MC-38	MCRA-04	13-Aug-09	31	ST	2	SPR	13:56	-	-	-	-	-	-	-	-	-	-	-	
MC-39	MCRA-04	13-Aug-09	32	ST	1	-	14:07	2009-MIPE-MCRA04-30	M-MIPE	22.5	F	A	-	-	-	-	-	-	696
MC-40	MCRA-04	13-Aug-09	33	PF	1	-	14:15	2009-SOCI-MCRA04-31	M-SOCI	3.3	-	J	47	41	11	8	BICOLOURED TAIL; BROWN WITH DARK ROOT HAIR; WHITE BELLY	-	697
MC-41	MCRA-04	13-Aug-09	33	PF	1	-	14:23	2009-SOCI-MCRA04-32	M-SOCI	5	-	A	50	45	12	9	BICOLOURED TAIL; BROWN WITH DARK ROOT HAIR; WHITE BELLY	-	698
MC-42	MCRA-04	13-Aug-09	33	PF	1	-	14:28	2009-MIPE-MCRA04-33	M-MIPE	25.5	F	A	-	-	-	-	-	-	699
MC-43	MCRA-04	13-Aug-09	35	ST	1	SPR	-	-	-	-	-	-	-	-	-	BAIT STOLEN	-	-	

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MC-44	MCRA-04	13-Aug-09	36	ST	1	-	14:35	2009-SOCI-MCRA04-34	M-SOCI	5.3	-	A	51	47	12	9	BICOLOURED TAIL; BROWN WITH DARK ROOT HAIR; WHITE BELLY	-	700
MC-45	MCRA-04	13-Aug-09	37	ST	1	-	14:45	2009-MIPE-MCRA04-35	M-MIPE	-	F	A	-	-	-	-	-	-	701
MC-46	MCRA-04	13-Aug-09	39	ST	1	-	14:55	2009-SOCI-MCRA04-36	M-SOCI	5	-	A	50	45	13	-	BICOLOURED TAIL; BROWN WITH DARK ROOT HAIR; WHITE BELLY	UNABLE TO MEASURE TAIL	702
MC-47	MCRA-04	13-Aug-09	39	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
MC-48	MCRA-04	13-Aug-09	40	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
MC-49	MCRA-04	13-Aug-09	40	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
MC-50	MCRA-04	14-Aug-09	1	ST	1	-	9:20	2009-MIPE-MCRA04-38	M-MIPE	46.5	F	A	101	45	18	17	DUSKY GREY TIPPED UNDERBELLY; REDDISH BROWN BACK; WHITE HAIRS ON BREEDING FEMALE	-	703
MC-51	MCRA-04	14-Aug-09	1	ST	2	-	9:20	2009-MIPE-MCRA04-39	M-MIPE	21.5	M	SA	95	32	17	16	-	-	704
MC-52	MCRA-04	14-Aug-09	5	ST	1	-	9:50	2009-MIPE-MCRA04-40	M-MIPE	13.5	F	J	78	23	18	13	DARK FEET	-	705
MC-53	MCRA-04	14-Aug-09	6	ST	1	-	9:53	2009-MIPE-MCRA04-41	M-MIPE	13	M	J	73	27	16	15	-	-	706
MC-54	MCRA-04	14-Aug-09	6	ST	2	SPR	9:53	-	-	-	-	-	-	-	-	-	-	-	-
MC-55	MCRA-04	14-Aug-09	7	ST	1	-	10:11	2009-MIPE-MCRA04-42	M-MIPE	16	F	SA	85	27	18	12	-	-	707
MC-56	MCRA-04	14-Aug-09	7	PF	1	-	10:11	2009-MIPE-MCRA04-43	M-MIPE	25	M	A	78	40	19	11	-	-	708
MC-57	MCRA-04	14-Aug-09	7	PF	1	-	10:11	2009-MIPE-MCRA04-44	M-MIPE	24.5	M	A	86	38	18	15	-	-	709
MC-58	MCRA-04	14-Aug-09	8	ST	1	-	10:18	2009-CLRU-MCRA04-45	M-CLRU	23	F	SA	86	33	20	16	-	-	710
MC-59	MCRA-04	14-Aug-09	10	ST	1	-	10:30	2009-LESI-MCRA04-46	M-LESI	38	F	A	106	13	20	15	TAIL SHORT; CUT OFF	LACTATING	711
MC-60	MCRA-04	14-Aug-09	10	ST	2	-	10:30	2009-MIPE-MCRA04-47	M-MIPE	22	F	A	80	30	18	15	-	-	712
MC-61	MCRA-04	14-Aug-09	11	ST	1	-	10:40	2009-MIPE-MCRA04-48	M-MIPE	24	F	A	105	41	20	15	-	-	713
MC-62	MCRA-04	14-Aug-09	11	ST	2	-	10:40	2009-MIPE-MCRA04-49	M-MIPE	23	F	A	91	39	19	15	-	-	714
MC-63	MCRA-04	14-Aug-09	12	ST	1	-	10:53	2009-MIPE-MCRA04-50	M-MIPE	18	F	SA	85	35	18	15	-	-	715
MC-64	MCRA-04	14-Aug-09	12	ST	2	SPR	10:53	-	-	-	-	-	-	-	-	-	-	-	-
MC-65	MCRA-04	14-Aug-09	13	ST	1	-	11:00	2009-MIPE-MCRA04-51	M-MIPE	32	F	A	112	32	19	15	-	-	716
MC-66	MCRA-04	14-Aug-09	13	ST	2	-	11:00	2009-MIPE-MCRA04-52	M-MIPE	22.5	F	A	97	41	19	14	-	-	717
MC-67	MCRA-04	14-Aug-09	13	PF	1	-	11:00	2009-SOCI-MCRA04-53	M-SOCI	5.3	-	A	50	45	12	-	GREYISH BROWN BACK; CREAMY WHITE BELLY; TAIL BICOLOURED; LIGHT F	-	718
MC-68	MCRA-04	14-Aug-09	13	PF	1	-	11:00	2009-SOCI-MCRA04-54	M-SOCI	5.2	-	A	52	45	12	8	GREYISH BROWN BACK; CREAMY WHITE BELLY; TAIL BICOLOURED; LIGHT F	-	719
MC-69	MCRA-04	14-Aug-09	13	PF	1	-	11:00	2009-LESI-MCRA04-55	M-LESI	45	F	A	97	21	17	19	REDDISH COLOUR; SHORT-TAILED (STUBBY)	-	720
MC-70	MCRA-04	14-Aug-09	13	PF	1	-	11:20	2009-MIPE-MCRA04-56	M-MIPE	26	F	A	85	40	18	15	-	-	721
MC-71	MCRA-04	14-Aug-09	14	ST	1	-	11:30	2009-LESI-MCRA04-57	M-LESI	10.5	F	J	63	15	12	12	REDDISH COLOUR; SHORT-TAILED (STUBBY)	-	722
MC-72	MCRA-04	14-Aug-09	14	ST	2	SPR	11:30	-	-	-	-	-	-	-	-	-	-	-	-
MC-73	MCRA-04	14-Aug-09	15	ST	1	-	11:40	2009-LESI-MCRA04-58	M-LESI	19.5	F	SA	85	20	13	12	-	FOUND IN TRAP WITH 2009-LESI-MCRA04-59	723
MC-74	MCRA-04	14-Aug-09	15	ST	1	-	11:40	2009-LESI-MCRA04-59	M-LESI	19.5	F	SA	86	19	12	12	-	FOUND IN TRAP WITH 2009-LESI-MCRA04-58	724
MC-75	MCRA-04	14-Aug-09	15	ST	2	-	11:43	2009-LESI-MCRA04-60	M-LESI	17	F	SA	73	20	12	12	-	-	725
MC-76	MCRA-04	14-Aug-09	16	ST	1	-	11:45	2009-CLRU-MCRA04-61	M-CLRU	21	F	SA	-	-	-	-	-	-	726
MC-77	MCRA-04	14-Aug-09	16	ST	2	-	11:45	2009-MIPE-MCRA04-62	M-MIPE	28.5	M	A	-	-	-	-	-	-	727
MC-78	MCRA-04	14-Aug-09	17	ST	1	-	11:52	2009-MIPE-MCRA04-63	M-MIPE	26	M	A	-	-	-	-	-	-	728
MC-79	MCRA-04	14-Aug-09	18	ST	1	-	11:55	2009-MIPE-MCRA04-64	M-MIPE	23	F	A	-	-	-	-	-	-	729
MC-80	MCRA-04	14-Aug-09	19	ST	1	-	11:58	2009-CLRU-MCRA04-65	M-CLRU	19	M	SA	85	35	18	17	-	-	730-731
MC-81	MCRA-04	14-Aug-09	20	ST	1	-	12:09	2009-SOCI-MCRA04-66	M-SOCI	4.8	-	A	52	47	13	7	BROWNISH GREY BACK; WHITISH BELLY; BICOLOURED TAIL	-	732
MC-82	MCRA-04	14-Aug-09	22	ST	1	-	12:34	2009-MIPE-MCRA04-67	M-MIPE	49	F	A	-	-	-	-	-	-	733
MC-83	MCRA-04	14-Aug-09	22	ST	2	-	12:34	2009-LESI-MCRA04-68	M-LESI	54	M	A	-	-	-	-	-	-	734
MC-84	MCRA-04	14-Aug-09	23	ST	1	-	12:40	2009-MIPE-MCRA04-69	M-MIPE	40	M	A	-	-	-	-	-	-	735
MC-85	MCRA-04	14-Aug-09	23	ST	2	SPR	12:40	-	-	-	-	-	-	-	-	-	-	-	-
MC-86	MCRA-04	14-Aug-09	24	ST	1	-	12:46	2009-MIPE-MCRA04-70	M-MIPE	19.5	M	SA	-	-	-	-	-	-	736

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MC-87	MCRA-04	14-Aug-09	24	ST	2	-	12:46	2009-MIPE-MCRA04-71	M-MIPE	19	F	SA	-	-	-	-	-	-	737
MC-88	MCRA-04	14-Aug-09	25	ST	1	-	12:54	2009-LESI-MCRA04-72	M-LESI	31.5	M	A	-	-	-	-	-	-	-
MC-89	MCRA-04	14-Aug-09	26	ST	1	SPR	12:56	-	-	-	-	-	-	-	-	-	-	-	-
MC-90	MCRA-04	14-Aug-09	26	ST	2	SPR	12:56	-	-	-	-	-	-	-	-	-	-	-	-
MC-91	MCRA-04	14-Aug-09	27	ST	1	SPR	12:59	-	-	-	-	-	-	-	-	-	-	-	-
MC-92	MCRA-04	14-Aug-09	29	ST	1	-	13:04	2009-WCSP-MCRA04-73	B-WCSP	-	-	-	-	-	-	-	-	-	738
MC-93	MCRA-04	14-Aug-09	33	ST	1	-	13:09	2009-LESI-MCRA04-74	M-LESI	23.5	M	A	-	-	-	-	-	-	739
MC-94	MCRA-04	14-Aug-09	33	ST	2	SPR	13:09	-	-	-	-	-	-	-	-	-	-	-	-
MC-95	MCRA-04	14-Aug-09	36	ST	1	-	13:15	2009-MIPE-MCRA04-75	M-MIPE	10	F	J	-	-	-	-	-	-	740
MC-96	MCRA-04	14-Aug-09	36	ST	2	-	13:15	2009-MIPE-MCRA04-76	M-MIPE	23	M	A	-	-	-	-	-	-	741
MC-97	MCRA-04	14-Aug-09	37	ST	1	-	13:23	2009-CLRU-MCRA04-77	M-CLRU	20	F	SA	-	-	-	-	-	-	742
MC-98	MCRA-04	14-Aug-09	38	ST	1	-	13:31	2009-MIPE-MCRA04-78	M-MIPE	24.5	M	A	-	-	-	-	-	-	743
MC-99	MCRA-04	14-Aug-09	39	ST	1	-	13:36	2009-SOCI-MCRA04-79	M-SOCI	3.7	-	SA	45	42	12	9	-	-	744
MC-100	MCRA-04	14-Aug-09	41	ST	1	-	13:44	-	M-MIPE	-	-	-	-	-	-	-	ONLY HEAD LEFT IN TRAP	-	
MC-101	MCRA-05	14-Aug-09	2	ST	1	-	14:40	2009-LESI-MCRA05-01	M-LESI	22	F	A	-	-	-	-	-	-	745
MC-102	MCRA-05	14-Aug-09	2	ST	2	-	14:40	2009-LESI-MCRA05-02	M-LESI	22.5	F	A	-	-	-	-	-	-	746
MC-103	MCRA-05	14-Aug-09	4	ST	1	SPR	14:52	-	-	-	-	-	-	-	-	-	-	-	-
MC-104	MCRA-05	14-Aug-09	4	ST	2	SPR	14:52	-	-	-	-	-	-	-	-	-	-	-	-
MC-105	MCRA-05	14-Aug-09	4	PF	1	-	14:52	2009-LESI-MCRA05-03	M-LESI	29	F	A	-	-	-	-	-	-	747
MC-106	MCRA-05	14-Aug-09	4	PF	1	-	14:52	2009-LESI-MCRA05-04	M-LESI	28	F	A	-	-	-	-	-	-	748
MC-107	MCRA-05	14-Aug-09	6	ST	1	-	15:00	2009-CLRU-MCRA05-05	M-CLRU	30	M	A	-	-	-	-	-	-	749
MC-108	MCRA-05	14-Aug-09	7	ST	1	SPR	15:10	-	-	-	-	-	-	-	-	-	-	-	-
MC-109	MCRA-05	14-Aug-09	7	ST	2	SPR	15:10	-	-	-	-	-	-	-	-	-	-	-	-
MC-110	MCRA-05	14-Aug-09	8	ST	1	-	15:15	2009-MIPE-MCRA05-06	M-MIPE	25	M	A	-	-	-	-	-	-	750
MC-111	MCRA-05	14-Aug-09	10	PF	1	-	15:22	2009-LESI-MCRA05-07	M-LESI	27.5	F	A	-	-	-	-	-	-	751
MC-112	MCRA-05	14-Aug-09	10	ST	1	SPR	15:22	-	-	-	-	-	-	-	-	-	-	-	-
MC-113	MCRA-05	14-Aug-09	10	ST	2	SPR	15:22	-	-	-	-	-	-	-	-	-	-	-	-
MC-114	MCRA-05	14-Aug-09	11	ST	1	-	15:25	2009-LESI-MCRA05-08	M-LESI	24	M	A	-	-	-	-	-	-	752
MC-115	MCRA-05	14-Aug-09	11	ST	2	SPR	15:25	-	-	-	-	-	-	-	-	-	-	-	-
MC-116	MCRA-05	14-Aug-09	12	ST	1	-	15:30	2009-LESI-MCRA05-09	M-LESI	24	M	A	-	-	-	-	-	-	753
MC-117	MCRA-05	14-Aug-09	13	PF	1	-	15:35	2009-SOCI-MCRA05-10	M-SOCI	6	-	A	50	48	6	6	-	-	754
MC-118	MCRA-05	14-Aug-09	14	ST	1	-	15:41	2009-CLRU-MCRA05-11	M-CLRU	32.5	F	A	-	-	-	-	-	-	755
MC-119	MCRA-05	14-Aug-09	14	ST	2	-	15:41	2009-CLRU-MCRA05-12	M-CLRU	12.5	M	J	-	-	-	-	-	-	756
MC-120	MCRA-05	14-Aug-09	15	ST	1	-	15:50	2009-CLRU-MCRA05-13	M-CLRU	13.5	F	J	-	-	-	-	-	-	757
MC-121	MCRA-05	14-Aug-09	15	ST	2	-	15:50	2009-LESI-MCRA05-14	M-LESI	25.5	F	A	-	-	-	-	-	-	758
MC-122	MCRA-05	14-Aug-09	16	ST	1	-	15:58	2009-MIPE-MCRA05-15	M-MIPE	12	F	J	-	-	-	-	-	-	759
MC-123	MCRA-05	14-Aug-09	16	ST	2	-	15:58	2009-LESI-MCRA05-16	M-LESI	58	F	A	-	-	-	-	-	-	760
MC-124	MCRA-05	14-Aug-09	16	PF	1	-	15:58	2009-LESI-MCRA05-17	M-LESI	13	F	J	-	-	-	-	-	-	761
MC-125	MCRA-05	14-Aug-09	16	PF	1	-	15:58	2009-CLRU-MCRA05-18	M-CLRU	13.5	F	J	-	-	-	-	-	-	762
MC-126	MCRA-05	14-Aug-09	16	PF	1	-	16:11	2009-LESI-MCRA05-19	M-LESI	12.5	F	J	-	-	-	-	-	-	763
MC-127	MCRA-05	14-Aug-09	17	ST	1	SPR	16:11	-	-	-	-	-	-	-	-	-	-	-	-
MC-128	MCRA-05	14-Aug-09	18	ST	1	-	16:16	2009-SOMO-MCRA05-20	M-SOMO	6.8	-	A	60	45	14	8	-	-	764
MC-129	MCRA-05	14-Aug-09	20	ST	1	-	16:20	2009-LESI-MCRA05-21	M-LESI	26	F	A	-	-	-	-	-	-	765

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MC-130	MCRA-05	14-Aug-09	20	ST	2	-	16:20	2009-LESI-MCRA05-22	M-LESI	36.5	F	A	-	-	-	-	-	-	766
MC-131	MCRA-04	15-Aug-09	1	ST	1	-	8:50	2009-MIPE-MCRA04-80	M-MIPE	21	F	SA	-	-	-	-	-	-	767
MC-132	MCRA-04	15-Aug-09	1	ST	2	SPR	8:50	-	-	-	-	-	-	-	-	-	-	-	
MC-133	MCRA-04	15-Aug-09	2	ST	1	SPR	8:56	-	-	-	-	-	-	-	-	-	BIRD WITH TOE IN TRAP; RELEASED	-	
MC-134	MCRA-04	15-Aug-09	3	ST	1	-	8:58	2009-LESI-MCRA04-81	M-LESI	14	F	SA	-	-	-	-	-	-	768
MC-135	MCRA-04	15-Aug-09	4	PF	1	-	9:10	2009-SOCI-MCRA04-82	M-SOCI	3.7	-	A	43	40	12	8	-	-	769
MC-136	MCRA-04	15-Aug-09	4	ST	1	-	9:10	2009-MIPE-MCRA04-83	M-MIPE	44	F	A	-	-	-	-	-	-	770
MC-137	MCRA-04	15-Aug-09	5	ST	1	-	9:15	2009-MIPE-MCRA04-84	M-MIPE	33	F	A	-	-	-	-	-	-	771
MC-138	MCRA-04	15-Aug-09	7	ST	1	-	9:23	2009-MIPE-MCRA04-85	M-MIPE	37	F	A	-	-	-	-	-	-	772
MC-139	MCRA-04	15-Aug-09	7	ST	2	-	9:23	2009-MIPE-MCRA04-86	M-MIPE	14	M	J	-	-	-	-	-	-	773
MC-140	MCRA-04	15-Aug-09	8	ST	1	-	9:25	2009-MIPE-MCRA04-87	M-MIPE	45	F	A	-	-	-	-	-	-	774
MC-141	MCRA-04	15-Aug-09	8	ST	2	-	9:25	2009-MIPE-MCRA04-88	M-MIPE	15.5	M	SA	-	-	-	-	-	-	775
MC-142	MCRA-04	15-Aug-09	9	ST	1	-	9:35	2009-LESI-MCRA04-89	M-LESI	43	F	A	-	-	-	-	-	-	776
MC-143	MCRA-04	15-Aug-09	9	ST	2	-	9:35	2009-MIPE-MCRA04-90	M-MIPE	44.5	M	A	-	-	-	-	-	-	777
MC-144	MCRA-04	15-Aug-09	10	ST	1	-	9:40	2009-CLRU-MCRA04-91	M-CLRU	33.5	F	A	-	-	-	-	-	-	778
MC-145	MCRA-04	15-Aug-09	11	ST	1	SPR	9:45	-	-	-	-	-	-	-	-	-	-	-	
MC-146	MCRA-04	15-Aug-09	11	ST	2	SPR	9:45	-	-	-	-	-	-	-	-	-	-	-	
MC-147	MCRA-04	15-Aug-09	12	ST	1	SPR	9:47	-	-	-	-	-	-	-	-	-	-	-	
MC-148	MCRA-04	15-Aug-09	12	ST	2	SPR	9:47	-	-	-	-	-	-	-	-	-	-	-	
MC-149	MCRA-04	15-Aug-09	13	ST	1	SPR	10:01	-	-	-	-	-	-	-	-	-	-	-	
MC-150	MCRA-04	15-Aug-09	13	ST	2	SPR	10:01	-	-	-	-	-	-	-	-	-	TRAP MISSING; REPLACED TRAP	-	
MC-151	MCRA-04	15-Aug-09	14	ST	1	-	10:10	2009-LESI-MCRA04-92	M-LESI	15	F	SA	-	-	-	-	-	-	782
MC-152	MCRA-04	15-Aug-09	14	ST	2	-	10:10	2009-LESI-MCRA04-93	M-LESI	15.5	F	SA	-	-	-	-	-	-	783
MC-153	MCRA-04	15-Aug-09	16	ST	1	SPR	10:15	-	-	-	-	-	-	-	-	-	-	-	
MC-154	MCRA-04	15-Aug-09	18	ST	1	SPR	10:17	-	-	-	-	-	-	-	-	-	BIRD WITH TOE IN TRAP; RELEASED	-	
MC-155	MCRA-04	15-Aug-09	19	ST	1	-	10:20	2009-CLRU-MCRA04-94	M-CLRU	17	M	SA	-	-	-	-	-	-	784
MC-156	MCRA-04	15-Aug-09	19	ST	2	-	10:20	2009-LESI-MCRA04-95	M-LESI	29	F	A	-	-	-	-	-	-	785
MC-157	MCRA-04	15-Aug-09	20	ST	1	SPR	10:30	-	-	-	-	-	-	-	-	-	-	-	
MC-158	MCRA-04	15-Aug-09	21	ST	1	SPR	10:32	-	-	-	-	-	-	-	-	-	-	-	
MC-159	MCRA-04	15-Aug-09	23	ST	1	SPR	10:35	-	-	-	-	-	-	-	-	-	-	-	
MC-160	MCRA-04	15-Aug-09	23	ST	2	SPR	10:35	-	-	-	-	-	-	-	-	-	-	-	
MC-161	MCRA-04	15-Aug-09	24	ST	1	SPR	10:45	-	-	-	-	-	-	-	-	-	-	-	
MC-162	MCRA-04	15-Aug-09	25	ST	1	-	10:47	2009-LESI-MCRA04-96	M-LESI	28.5	F	A	-	-	-	-	-	-	786
MC-163	MCRA-04	15-Aug-09	26	ST	1	SPR	10:55	-	-	-	-	-	-	-	-	-	-	-	
MC-164	MCRA-04	15-Aug-09	27	ST	1	-	11:00	2009-SOMO-MCRA04-97	M-SOMO	6.3	-	A	60	39	12	8	-	-	789
MC-165	MCRA-04	15-Aug-09	28	ST	1	-	11:04	2009-CLRU-MCRA04-98	M-CLRU	22	F	SA	-	-	-	-	-	-	790
MC-166	MCRA-04	15-Aug-09	28	ST	2	SPR	11:04	-	-	-	-	-	-	-	-	-	-	-	
MC-167	MCRA-04	15-Aug-09	29	ST	1	-	11:07	2009-LESI-MCRA04-99	M-LESI	24.5	F	A	-	-	-	-	-	-	791
MC-168	MCRA-04	15-Aug-09	32	ST	1	-	11:15	2009-MIPE-MCRA04-100	M-MIPE	15	F	SA	-	-	-	-	-	-	792
MC-169	MCRA-04	15-Aug-09	32	ST	2	-	11:15	2009-LESI-MCRA04-101	M-LESI	57	M	A	115+	19	20	45	-	-	793
MC-170	MCRA-04	15-Aug-09	33	PF	1	-	11:20	2009-LESI-MCRA04-102	M-LESI	55.5	F	A	-	-	-	-	-	-	794
MC-171	MCRA-04	15-Aug-09	33	ST	1	-	11:20	2009-SOCI-MCRA04-103	M-SOCI	3.4	-	SA	47	45	13	-	-	-	795
MC-172	MCRA-04	15-Aug-09	35	ST	1	SPR	11:30	-	-	-	-	-	-	-	-	-	-	-	

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MC-173	MCRA-04	15-Aug-09	36	ST	1	-	11:32	2009-MIPE-MCRA04-104	M-MIPE	10.5	M	J	-	-	-	-	-	-	796
MC-174	MCRA-04	15-Aug-09	36	ST	2	-	11:32	2009-MIPE-MCRA04-105	M-MIPE	38	M	A	-	-	-	-	-	-	797
MC-175	MCRA-04	15-Aug-09	36	PF	1	-	11:32	2009-MIPE-MCRA04-106	M-MIPE	17	M	SA	-	-	-	-	-	-	798
MC-176	MCRA-04	15-Aug-09	36	PF	1	-	11:32	2009-SYBO-MCRA04-107	M-SYBO	22.5	F	SA	-	-	-	-	-	-	799
MC-177	MCRA-04	15-Aug-09	37	ST	1	SPR	11:40	-	-	-	-	-	-	-	-	-	-	-	-
MC-178	MCRA-04	15-Aug-09	37	ST	2	SPR	11:40	-	-	-	-	-	-	-	-	-	-	-	-
MC-179	MCRA-04	15-Aug-09	38	ST	1	SPR	11:40	-	-	-	-	-	-	-	-	-	-	-	-
MC-180	MCRA-04	15-Aug-09	39	ST	1	-	11:51	2009-SOCl-MCRA04-108	M-SOCl	3.6	-	A	45	39	12	-	-	-	800
MC-181	MCRA-04	15-Aug-09	39	PF	1	-	11:51	2009-SYBO-MCRA04-109	M-SYBO	40	F	A	197	24	17	15	-	-	801
MC-182	MCRA-05	15-Aug-09	2	ST	1	-	13:16	2009-LESI-MCRA05-23	M-LESI	15	F	SA	-	-	-	-	-	-	805
MC-183	MCRA-05	15-Aug-09	2	ST	2	-	13:16	2009-LESI-MCRA05-24	M-LESI	18.5	F	SA	-	-	-	-	-	-	806
MC-184	MCRA-05	15-Aug-09	4	ST	1	-	13:25	2009-LESI-MCRA05-25	M-LESI	22.5	F	SA	-	-	-	-	-	-	807
MC-185	MCRA-05	15-Aug-09	6	ST	1	-	13:40	2009-CLRU-MCRA05-26	M-CLRU	19	M	SA	85	35	20	17	-	-	811
MC-186	MCRA-05	15-Aug-09	8	ST	1	-	13:50	2009-MIPE-MCRA05-27	M-MIPE	37	F	A	-	-	-	-	-	-	812
MC-187	MCRA-05	15-Aug-09	11	ST	1	SPR	14:00	-	-	-	-	-	-	-	-	-	-	-	-
MC-188	MCRA-05	15-Aug-09	13	PF	1	-	14:05	2009-MIPE-MCRA05-28	M-MIPE	20	F	SA	-	-	-	-	-	-	813
MC-189	MCRA-05	15-Aug-09	13	ST	1	-	14:05	2009-LESI-MCRA05-29	M-LESI	30	F	A	-	-	-	-	-	-	814
MC-190	MCRA-05	15-Aug-09	15	ST	1	-	14:16	2009-LESI-MCRA05-30	M-LESI	28.5	F	A	-	-	-	-	-	-	818
MC-191	MCRA-05	15-Aug-09	16	PF	1	-	14:20	2009-LESI-MCRA05-31	M-LESI	12	F	J	-	-	-	-	-	-	819
MC-192	MCRA-05	15-Aug-09	16	PF	1	-	14:20	2009-LESI-MCRA05-32	M-LESI	14	F	J	-	-	-	-	-	-	820
MC-193	MCRA-05	15-Aug-09	19	PF	1	-	14:27	2009-SOCl-MCRA05-33	M-SOCl	3.2	-	SA	43	43	10	8	-	-	821
MC-194	MCRA-04	16-Aug-09	1	ST	1	-	8:30	2009-MIPE-MCRA04-110	M-MIPE	23.5	M	A	-	-	-	-	-	-	825
MC-195	MCRA-04	16-Aug-09	1	ST	2	-	8:30	2009-MIPE-MCRA04-111	M-MIPE	24	M	A	-	-	-	-	-	-	826
MC-196	MCRA-04	16-Aug-09	2	ST	1	-	8:40	2009-CLRU-MCRA04-112	M-CLRU	46	M	A	-	-	-	-	-	-	827
MC-197	MCRA-04	16-Aug-09	3	ST	1	-	8:45	2009-LESI-MCRA04-113	M-LESI	16	M	SA	-	-	-	-	-	-	828
MC-198	MCRA-04	16-Aug-09	3	ST	2	-	8:45	2009-MIPE-MCRA04-114	M-MIPE	44	F	A	-	-	-	-	-	-	829
MC-199	MCRA-04	16-Aug-09	5	ST	1	-	8:51	2009-MIPE-MCRA04-115	M-MIPE	15	F	J	-	-	-	-	-	-	830
MC-200	MCRA-04	16-Aug-09	6	ST	1	SPR	8:52	-	-	-	-	-	-	-	-	-	-	-	-
MC-201	MCRA-04	16-Aug-09	7	ST	1	-	8:55	2009-MIPE-MCRA04-116	M-MIPE	11	M	J	-	-	-	-	-	-	831
MC-202	MCRA-04	16-Aug-09	7	ST	2	-	8:55	2009-CLRU-MCRA04-117	M-CLRU	11.5	F	J	-	-	-	-	-	-	832
MC-203	MCRA-04	16-Aug-09	7	PF	1	-	9:05	2009-MIPE-MCRA04-118	M-MIPE	12	F	J	-	-	-	-	-	-	833
MC-204	MCRA-04	16-Aug-09	7	PF	1	-	9:05	2009-MIPE-MCRA04-119	M-MIPE	26	F	A	-	-	-	-	-	-	834
MC-205	MCRA-04	16-Aug-09	8	ST	1	-	9:07	2009-MIPE-MCRA04-120	M-MIPE	16	F	SA	-	-	-	-	-	-	835
MC-206	MCRA-04	16-Aug-09	8	ST	2	-	9:07	2009-MIPE-MCRA04-121	M-MIPE	16	M	SA	-	-	-	-	-	-	836
MC-207	MCRA-04	16-Aug-09	11	ST	1	-	9:17	2009-MIPE-MCRA04-122	M-MIPE	18	M	SA	-	-	-	-	-	-	837
MC-208	MCRA-04	16-Aug-09	12	ST	1	-	9:20	2009-MIPE-MCRA04-123	M-MIPE	55	F	A	-	-	-	-	-	-	838
MC-209	MCRA-04	16-Aug-09	12	ST	2	-	9:20	2009-MIPE-MCRA04-124	M-MIPE	16.5	F	SA	-	-	-	-	-	-	839
MC-210	MCRA-04	16-Aug-09	13	ST	1	-	9:25	2009-CLRU-MCRA04-125	M-CLRU	17	F	-	-	-	-	-	-	-	840
MC-211	MCRA-04	16-Aug-09	13	-	-	-	9:25	2009-SOCl-MCRA04-126	M-SOCl	3.2	-	A	50	41	13	7	-	FOUND BESIDE PITFALL TRAP	841
MC-212	MCRA-04	16-Aug-09	14	ST	1	-	9:33	2009-LESI-MCRA04-127	M-LESI	15	F	J	-	-	-	-	-	-	842
MC-213	MCRA-04	16-Aug-09	14	ST	2	-	9:33	2009-LESI-MCRA04-128	M-LESI	14	F	J	-	-	-	-	-	-	843
MC-214	MCRA-04	16-Aug-09	15	ST	1	-	9:39	-	M-UNK	-	-	-	-	-	-	-	SMALL MAMMAL FOOT LEFT IN TRAP	-	-
MC-215	MCRA-04	16-Aug-09	16	ST	1	-	9:42	2009-LISP-MCRA04-129	B-LISP	-	-	-	-	-	-	-	-	844	-

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MC-216	MCRA-04	16-Aug-09	16	PF	1	-	9:42	2009-SOCI-MCRA04-130	M-SOCI	3.7	-	A	47	39	12	8	-	-	845
MC-217	MCRA-04	16-Aug-09	19	ST	1	SPR	9:50	-	-	-	-	-	-	-	-	-	-	-	
MC-218	MCRA-04	16-Aug-09	20	ST	1	-	9:51	2009-MIPE-MCRA04-131	M-MIPE	35.5	F	A	-	-	-	-	-	-	846
MC-219	MCRA-04	16-Aug-09	21	PF	1	-	9:55	2009-SOCI-MCRA04-132	M-SOCI	6.5	-	A	41	35	12	9	-	-	847
MC-220	MCRA-04	16-Aug-09	23	ST	1	-	10:00	2009-LESI-MCRA04-133	M-LESI	33	M	A	-	-	-	-	-	-	848
MC-221	MCRA-04	16-Aug-09	26	ST	1	SPR	10:00	-	-	-	-	-	-	-	-	-	-	-	
MC-222	MCRA-04	16-Aug-09	27	ST	1	SPR	10:00	-	-	-	-	-	-	-	-	-	-	-	
MC-223	MCRA-04	16-Aug-09	28	ST	1	SPR	10:00	-	-	-	-	-	-	-	-	-	-	-	
MC-224	MCRA-04	16-Aug-09	28	ST	2	SPR	10:00	-	-	-	-	-	-	-	-	-	-	-	
MC-225	MCRA-04	16-Aug-09	30	PF	1	-	10:15	2009-SOCI-MCRA04-134	M-SOCI	5.2	-	A	51	45	12	8	-	-	849
MC-226	MCRA-04	16-Aug-09	33	ST	1	-	10:20	2009-SOCI-MCRA04-135	M-SOCI	3.3	-	A	50	41	12	-	-	-	850
MC-227	MCRA-04	16-Aug-09	36	ST	1	-	10:30	2009-MIPE-MCRA04-136	M-MIPE	15	M	J	-	-	-	-	-	-	851
MC-228	MCRA-04	16-Aug-09	36	ST	2	-	10:30	2009-MIPE-MCRA04-137	M-MIPE	17	F	J	-	-	-	-	-	-	852
MC-229	MCRA-04	16-Aug-09	36	PF	1	-	10:30	2009-MIPE-MCRA04-138	M-MIPE	20	F	SA	-	-	-	-	-	-	853
MC-230	MCRA-04	16-Aug-09	36	PF	1	-	10:30	2009-MIPE-MCRA04-139	M-MIPE	24	M	A	-	-	-	-	-	-	854
MC-231	MCRA-04	16-Aug-09	36	PF	1	-	10:45	2009-MIPE-MCRA04-140	M-MIPE	51	M	A	-	-	-	-	-	-	855
MC-232	MCRA-04	16-Aug-09	37	ST	1	-	10:47	2009-MIPE-MCRA04-141	M-MIPE	23	F	A	-	-	-	-	-	-	856
MC-233	MCRA-04	16-Aug-09	39	ST	1	-	10:52	2009-LESI-MCRA04-142	M-LESI	39	M	A	-	-	-	-	-	-	857
MC-234	MCRA-04	16-Aug-09	39	ST	2	-	10:52	2009-MIPE-MCRA04-143	M-MIPE	24	F	A	-	-	-	-	-	-	858
MC-235	MCRA-05	16-Aug-09	2	ST	1	-	12:05	2009-MIPE-MCRA05-34	M-MIPE	20	M	SA	-	-	-	-	-	-	859
MC-236	MCRA-05	16-Aug-09	4	PF	1	-	12:10	2009-LESI-MCRA05-35	M-LESI	46	F	A	-	-	-	-	-	-	860
MC-237	MCRA-05	16-Aug-09	5	ST	1	-	12:15	2009-MIPE-MCRA05-36	M-MIPE	22	M	SA	-	-	-	-	-	-	861
MC-238	MCRA-05	16-Aug-09	6	ST	1	SPR	12:15	-	-	-	-	-	-	-	-	-	-	-	
MC-239	MCRA-05	16-Aug-09	6	ST	2	SPR	12:15	-	-	-	-	-	-	-	-	-	-	-	
MC-240	MCRA-05	16-Aug-09	12	ST	1	-	12:24	2009-MIPE-MCRA05-37	M-MIPE	24	M	SA	-	-	-	-	-	-	862
MC-241	MCRA-05	16-Aug-09	13	ST	1	-	12:27	2009-SOMO-MCRA05-38	M-SOMO	8.5	M	A	69	43	13	9	-	-	863
MC-242	MCRA-05	16-Aug-09	13	PF	1	-	12:27	2009-SOCI-MCRA05-39	M-SOCI	5.1	-	A	55	46	13	8	-	-	865
MC-243	MCRA-05	16-Aug-09	16	ST	1	-	12:37	2009-SOCI-MCRA05-40	M-SOCI	4.4	-	A	47	38	12	8	-	-	866
MC-244	MCRA-05	16-Aug-09	16	PF	1	-	12:37	2009-MIPE-MCRA05-41	M-MIPE	21	F	SA	-	-	-	-	-	-	867
MC-245	MCRA-05	16-Aug-09	17	ST	1	-	12:45	2009-LISP- MCRA05-42	B-LISP	-	-	-	-	-	-	-	-	-	868
MC-246	MCRA-05	16-Aug-09	18	ST	1	-	12:48	2009-CLRU-MCRA05-43	M-CLRU	34	M	A	100	32	17	18	-	-	869
MC-247	MCRA-05	16-Aug-09	19	PF	1	-	12:48	2009-LESI-MCRA05-44	M-LESI	68	M	A	-	-	-	-	-	-	870
MC-248	MCRA-05	16-Aug-09	21	ST	1	-	13:00	2009-MIPE-MCRA05-45	M-MIPE	14	M	J	-	-	-	-	-	-	
MC-249	MCRA-05	16-Aug-09	21	ST	2	-	13:00	2009-MIPE-MCRA05-46	M-MIPE	15	F	J	-	-	-	-	-	-	
MS-01	MSSA-01	18-Aug-09	1	ST	1	-	13:00	2009-MIPE-MSSA01-01	M-MIPE	32	F	A	-	-	-	-	-	-	873
MS-02	MSSA-01	18-Aug-09	3	ST	1	-	13:05	2009-CLRU-MSSA01-02	M-CLRU	18.5	F	SA	80	52	12	15	-	-	874
MS-03	MSSA-01	18-Aug-09	5	ST	1	-	13:11	2009-CLRU-MSSA01-03	M-CLRU	20	F	SA	-	-	-	-	-	-	875
MS-04	MSSA-01	18-Aug-09	6	ST	1	-	13:17	2009-PHIN-MSSA01-04	M-PHIN	27	M	A	-	-	-	-	-	-	876
MS-05	MSSA-01	18-Aug-09	6	PF	1	-	13:20	2009-SOCI-MSSA01-05	M-SOCI	34	-	A	46	39	12	8	-	-	877
MS-06	MSSA-01	18-Aug-09	7	ST	1	-	13:17	2009-PHIN-MSSA01-06	M-PHIN	21	F	SA	-	-	-	-	-	-	878
MS-07	MSSA-01	18-Aug-09	7	ST	2	-	13:20	2009-MIPE-MSSA01-07	M-MIPE	35	F	A	-	-	-	-	-	-	879
MS-08	MSSA-01	18-Aug-09	8	ST	1	SPR	13:33	-	-	-	-	-	-	-	-	-	-	-	
MS-09	MSSA-01	18-Aug-09	9	ST	1	-	13:38	2009-CLRU-MSSA01-08	M-CLRU	34	M	A	-	-	-	-	-	-	880

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MS-10	MSSA-01	18-Aug-09	11	ST	1	-	13:45	2009-MIPE-MSSA01-09	M-MIPE	18.5	F	SA	-	-	-	-	-	-	881
MS-11	MSSA-01	18-Aug-09	11	ST	2	-	13:48	2009-CLRU-MSSA01-10	M-CLRU	21	M	SA	-	-	-	-	-	-	882
MS-12	MSSA-02	18-Aug-09	2	ST	1	SPR	14:45	-	-	-	-	-	-	-	-	-	TRAP MISSING; REPLACED TRAP	-	
MS-13	MSSA-02	18-Aug-09	5	ST	1	-	14:55	2009-LISP-MSSA02-01	B-LISP	-	-	-	-	-	-	-	-	-	883
MS-14	MSSA-02	18-Aug-09	6	ST	1	-	14:58	2009-MIPE-MSSA02-02	M-MIPE	18.5	F	SA	-	-	-	-	-	-	884
MS-15	MSSA-02	18-Aug-09	6	PF	1	-	14:59	2009-MIPE-MSSA02-03	M-MIPE	19	F	SA	-	-	-	-	-	-	885
MS-16	MSSA-02	18-Aug-09	6	PF	1	-	15:00	2009-MIPE-MSSA02-04	M-MIPE	23	M	A	-	-	-	-	-	-	886
MS-17	MSSA-02	18-Aug-09	7	ST	1	-	15:02	2009-SOCI-MSSA02-05	M-SOCI	3.5	-	A	46	42	12	-	-	-	887
MS-18	MSSA-03	18-Aug-09	4	ST	1	-	17:50	2009-CLRU-MSSA03-01	M-CLRU	15.5	F	J	-	-	-	-	-	-	902
MS-19	MSSA-03	18-Aug-09	8	ST	1	-	18:00	2009-CLRU-MSSA03-02	M-CLRU	18	M	SA	-	-	-	-	-	-	903
MS-20	MSSA-03	18-Aug-09	9	ST	1	SPR	18:02	-	-	-	-	-	-	-	-	-	-	-	-
MS-21	MSSA-03	18-Aug-09	10	ST	1	SPR	18:08	-	-	-	-	-	-	-	-	-	-	-	-
MS-22	MSSA-04	18-Aug-09	1	ST	1	-	16:20	2009-LESI-MSSA04-01	M-LESI	31.5	M	A	-	-	-	-	-	-	890
MS-23	MSSA-04	18-Aug-09	1	ST	2	-	16:23	2009-CLRU-MSSA04-02	M-CLRU	20	M	SA	81	31	18	19	-	-	891
MS-24	MSSA-04	18-Aug-09	3	ST	1	-	16:38	2009-MIPE-MSSA04-03	M-MIPE	25	M	A	-	-	-	-	-	-	892
MS-25	MSSA-04	18-Aug-09	3	ST	2	-	16:43	2009-CLRU-MSSA04-04	M-MIPE	19	F	SA	-	-	-	-	-	-	893
MS-26	MSSA-04	18-Aug-09	4	ST	1	-	16:45	2009-CLRU-MSSA04-05	M-CLRU	19	F	SA	-	-	-	-	-	-	894
MS-27	MSSA-04	18-Aug-09	5	ST	1	-	16:49	2009-CLRU-MSSA04-06	M-CLRU	21.5	F	SA	-	-	-	-	-	-	895
MS-28	MSSA-04	18-Aug-09	6	ST	1	SPR	16:51	-	-	-	-	-	-	-	-	-	-	-	-
MS-29	MSSA-04	18-Aug-09	6	ST	2	-	16:55	2009-CLRU-MSSA04-07	M-CLRU	20	F	SA	-	-	-	-	-	-	896
MS-30	MSSA-04	18-Aug-09	7	ST	1	-	16:58	2009-CLRU-MSSA04-08	M-CLRU	20	F	SA	-	-	-	-	-	-	897
MS-31	MSSA-04	18-Aug-09	8	ST	1	SPR	17:04	-	-	-	-	-	-	-	-	-	-	-	-
MS-32	MSSA-04	18-Aug-09	8	ST	2	SPR	17:05	-	-	-	-	-	-	-	-	-	-	-	-
MS-33	MSSA-04	18-Aug-09	9	ST	1	-	17:08	2009-CLRU-MSSA04-09	M-CLRU	20	M	SA	-	-	-	-	-	-	898
MS-34	MSSA-04	18-Aug-09	9	ST	2	-	17:11	2009-MIPE-MSSA04-10	M-MIPE	24	M	SA	-	-	-	-	-	-	899
MS-35	MSSA-04	18-Aug-09	10	ST	1	-	17:17	2009-CLRU-MSSA04-11	M-CLRU	22	M	SA	-	-	-	-	-	-	900
MS-36	MSSA-04	18-Aug-09	10	ST	2	-	17:20	2009-CLRU-MSSA04-12	M-CLRU	23	M	SA	-	-	-	-	-	-	901
MS-37	MSSA-05	18-Aug-09	8	ST	1	SPR	15:55	-	-	-	-	-	-	-	-	-	-	-	-
MS-38	MSSA-01	19-Aug-09	1	ST	1	-	9:10	2009-CLRU-MSSA01-11	M-CLRU	41	F	A	-	-	-	-	-	LACTATING	904
MS-39	MSSA-01	19-Aug-09	1	ST	2	-	9:10	2009-CLRU-MSSA01-12	M-CLRU	21.5	F	SA	-	-	-	-	-	-	905
MS-40	MSSA-01	19-Aug-09	3	ST	1	-	-	2009-MIPE-MSSA01-13	M-MIPE	21	F	SA	-	-	-	-	-	-	906
MS-41	MSSA-01	19-Aug-09	3	PF	1	-	-	2009-MILO-MSSA01-14	M-MILO	37.5	F	A	100	60	21	15	-	-	907
MS-42	MSSA-01	19-Aug-09	5	ST	1	-	-	2009-LESI-MSSA01-15	M-LESI	27	F	A	-	-	-	-	-	-	908
MS-43	MSSA-01	19-Aug-09	6	ST	1	-	-	2009-CLRU-MSSA01-16	M-CLRU	18	F	SA	-	-	-	-	-	-	909
MS-44	MSSA-01	19-Aug-09	7	ST	1	-	-	2009-SOCI-MSSA01-17	M-SOCI	5.4	-	A	57	50	13	9	-	-	910
MS-45	MSSA-01	19-Aug-09	8	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
MS-46	MSSA-01	19-Aug-09	9	ST	1	-	-	2009-MIPE-MSSA01-18	M-MIPE	17	F	SA	-	-	-	-	-	-	911
MS-47	MSSA-01	19-Aug-09	9	ST	2	-	-	2009-CLRU-MSSA01-19	M-CLRU	20	M	SA	-	-	-	-	-	-	912
MS-48	MSSA-01	19-Aug-09	10	ST	1	-	-	2009-CLRU-MSSA01-20	M-CLRU	18	F	SA	-	-	-	-	-	-	913
MS-49	MSSA-01	19-Aug-09	11	ST	1	-	-	2009-MILO-MSSA01-21	M-MILO	43.5	F	A	-	-	-	-	-	-	914
MS-50	MSSA-01	19-Aug-09	11	ST	2	-	-	2009-MIPE-MSSA01-22	M-MIPE	16	M	J	-	-	-	-	-	-	915
MS-51	MSSA-02	19-Aug-09	6	ST	1	-	11:25	2009-MIPE-MSSA02-06	M-MIPE	36	F	A	-	-	-	-	-	-	916
MS-52	MSSA-02	19-Aug-09	6	PF	1	-	11:29	2009-SOCI-MSSA02-07	M-SOCI	5	-	A	48	42	8	8	-	-	917

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OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MS-53	MSSA-02	19-Aug-09	7	ST	1	-	11:35	2009-SOCI-MSSA02-08	M-SOCI	3.3	-	J	45	42	10	8	-	-	918
MS-54	MSSA-02	19-Aug-09	9	ST	1	-	11:40	2009-SOCI-MSSA02-09	M-SOCI	5.9	-	A	54	44	8	8	-	-	919
MS-55	MSSA-02	19-Aug-09	11	ST	1	SPR	11:46	-	-	-	-	-	-	-	-	-	-	-	
MS-56	MSSA-03	19-Aug-09	4	ST	1	-	16:45	2009-MIPE-MSSA03-03	M-MIPE	16	M	SA	-	-	-	-	-	-	949
MS-57	MSSA-03	19-Aug-09	5	ST	1	SPR	16:50	-	-	-	-	-	-	-	-	-	BAIT STOLEN BY GREY JAY (VISUAL)	-	
MS-58	MSSA-03	19-Aug-09	9	ST	1	SPR	16:55	-	-	-	-	-	-	-	-	-	-	-	
MS-59	MSSA-04	19-Aug-09	1	ST	1	SPR	15:37	-	-	-	-	-	-	-	-	-	-	-	
MS-60	MSSA-04	19-Aug-09	1	ST	2	SPR	15:37	-	-	-	-	-	-	-	-	-	-	-	
MS-61	MSSA-04	19-Aug-09	2	ST	1	-	15:40	2009-CLRU-MSSA04-13	M-CLRU	19	F	SA	-	-	-	-	-	-	939
MS-62	MSSA-04	19-Aug-09	3	PF	1	-	15:44	2009-CLRU-MSSA04-14	M-CLRU	22	F	SA	-	-	-	-	-	-	940
MS-63	MSSA-04	19-Aug-09	3	ST	1	SPR	15:44	-	-	-	-	-	-	-	-	-	-	-	
MS-64	MSSA-04	19-Aug-09	5	ST	1	-	15:50	2009-CLRU-MSSA04-15	M-CLRU	23.5	M	A	-	-	-	-	-	-	941
MS-65	MSSA-04	19-Aug-09	5	ST	2	-	15:50	2009-MIPE-MSSA04-16	M-MIPE	14.5	M	J	-	-	-	-	-	-	942
MS-66	MSSA-04	19-Aug-09	6	ST	1	SPR	16:00	-	-	-	-	-	-	-	-	-	-	-	
MS-67	MSSA-04	19-Aug-09	6	ST	2	-	16:00	2009-MIPE-MSSA04-17	M-MIPE	40.5	F	A	-	-	-	-	-	-	943
MS-68	MSSA-04	19-Aug-09	7	ST	1	-	16:07	2009-CLRU-MSSA04-18	M-CLRU	21.5	M	SA	-	-	-	-	-	-	944
MS-69	MSSA-04	19-Aug-09	8	ST	1	-	16:13	2009-MIPE-MSSA04-19	M-MIPE	57	F	A	-	-	-	-	-	-	945
MS-70	MSSA-04	19-Aug-09	8	ST	2	-	16:13	2009-CLRU-MSSA04-20	M-CLRU	19	F	SA	-	-	-	-	-	-	946
MS-71	MSSA-04	19-Aug-09	9	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MS-72	MSSA-04	19-Aug-09	9	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MS-73	MSSA-04	19-Aug-09	10	ST	1	-	16:17	2009-CLRU-MSSA04-21	M-CLRU	33	M	A	-	-	-	-	-	-	947
MS-74	MSSA-04	19-Aug-09	10	ST	2	SPR	16:17	-	-	-	-	-	-	-	-	-	-	-	
MS-75	MSSA-04	19-Aug-09	11	ST	1	-	16:20	2009-CLRU-MSSA04-22	M-CLRU	22	M	SA	-	-	-	-	-	-	948
MS-76	MSSA-04	19-Aug-09	11	ST	2	SPR	16:20	-	-	-	-	-	-	-	-	-	-	-	
MS-77	MSSA-05	19-Aug-09	9	PF	1	-	12:30	2009-MIPE-MSSA05-01	M-MIPE	21	M	SA	-	-	-	-	-	-	920
MS-78	MSSA-05	19-Aug-09	11	ST	1	-	12:50	2009-PHIN-MSSA05-02	M-PHIN	24	F	A	-	-	-	-	-	-	921
MS-79	MSSA-06	19-Aug-09	1	ST	1	-	14:00	2009-CLRU-MSSA06-01	M-CLRU	20	F	SA	-	-	-	-	-	-	922
MS-80	MSSA-06	19-Aug-09	1	ST	2	-	14:00	2009-CLRU-MSSA06-02	M-CLRU	18	F	SA	-	-	-	-	-	-	923
MS-81	MSSA-06	19-Aug-09	2	ST	1	-	14:07	2009-CLRU-MSSA06-03	M-CLRU	19	M	SA	82	36	22	16	-	-	924
MS-82	MSSA-06	19-Aug-09	2	ST	2	-	14:07	2009-CLRU-MSSA06-04	M-CLRU	19.5	F	SA	-	-	-	-	-	-	925
MS-83	MSSA-06	19-Aug-09	3	ST	1	-	14:12	2009-CLRU-MSSA06-05	M-CLRU	17.5	F	SA	-	-	-	-	-	-	926
MS-84	MSSA-06	19-Aug-09	4	ST	1	-	14:18	2009-CLRU-MSSA06-06	M-CLRU	21	M	SA	-	-	-	-	-	-	927
MS-85	MSSA-06	19-Aug-09	4	ST	2	-	14:18	2009-CLRU-MSSA06-07	M-CLRU	18	M	SA	-	-	-	-	-	-	928
MS-86	MSSA-06	19-Aug-09	5	ST	1	-	14:25	2009-CLRU-MSSA06-08	M-CLRU	18.5	F	SA	-	-	-	-	-	-	929
MS-87	MSSA-06	19-Aug-09	5	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MS-88	MSSA-06	19-Aug-09	6	PF	1	-	14:33	2009-CLRU-MSSA06-09	M-CLRU	20	F	SA	-	-	-	-	-	-	930
MS-89	MSSA-06	19-Aug-09	6	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	DROPPINGS ON TRAP	-	
MS-90	MSSA-06	19-Aug-09	6	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	DROPPINGS ON TRAP	-	
MS-91	MSSA-06	19-Aug-09	7	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MS-92	MSSA-06	19-Aug-09	7	ST	2	-	14:42	2009-CLRU-MSSA06-10	M-CLRU	15	F	J	-	-	-	-	-	-	931
MS-93	MSSA-06	19-Aug-09	8	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MS-94	MSSA-06	19-Aug-09	8	ST	2	-	14:48	2009-CLRU-MSSA06-11	M-CLRU	33.5	M	A	-	-	-	-	-	-	932
MS-95	MSSA-06	19-Aug-09	9	ST	1	-	14:53	2009-CLRU-MSSA06-12	M-CLRU	32	F	A	-	-	-	-	-	-	933

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OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAJE	COMMENTS	PHOTO_NO
MS-96	MSSA-06	19-Aug-09	9	PF	1	-	14:53	2009-CLRU-MSSA06-13	M-CLRU	15	M	J	-	-	-	-	-	-	934
MS-97	MSSA-06	19-Aug-09	10	ST	1	-	14:58	2009-CLRU-MSSA06-14	M-CLRU	16	M	J	-	-	-	-	-	-	935
MS-98	MSSA-06	19-Aug-09	10	ST	2	-	14:58	2009-CLRU-MSSA06-15	M-CLRU	19	F	SA	-	-	-	-	-	-	936
MS-99	MSSA-06	19-Aug-09	11	ST	1	-	15:07	2009-CLRU-MSSA06-16	M-CLRU	17.5	M	SA	-	-	-	-	-	-	937
MS-100	MSSA-06	19-Aug-09	11	ST	2	-	15:07	2009-CLRU-MSSA06-17	M-CLRU	19	F	SA	-	-	-	-	-	-	938
MS-101	MSSA-01	20-Aug-09	1	ST	1	-	8:21	2009-CLRU-MSSA01-23	M-CLRU	46.5	F	A	-	-	-	-	-	LACTATING	950
MS-102	MSSA-01	20-Aug-09	1	ST	2	SPR	8:21	-	-	-	-	-	-	-	-	-	-	-	-
MS-103	MSSA-01	20-Aug-09	2	ST	1	-	8:23	2009-CLRU-MSSA01-24	M-CLRU	19	F	SA	-	-	-	-	-	-	951
MS-104	MSSA-01	20-Aug-09	2	ST	2	-	8:23	2009-MIPE-MSSA01-25	M-MIPE	17	F	SA	-	-	-	-	-	-	952
MS-105	MSSA-01	20-Aug-09	3	ST	1	-	8:33	2009-CLRU-MSSA01-26	M-CLRU	20.5	M	A	-	-	-	-	-	-	953
MS-106	MSSA-01	20-Aug-09	3	ST	2	-	8:33	2009-CLRU-MSSA01-27	M-CLRU	19.5	F	SA	-	-	-	-	-	-	954
MS-107	MSSA-01	20-Aug-09	3	PF	1	-	8:33	2009-MILO-MSSA01-28	M-MILO	25	F	A	-	-	-	-	-	-	955
MS-108	MSSA-01	20-Aug-09	5	ST	1	-	8:45	2009-LESI-MSSA01-29	M-LESI	30.5	M	A	-	-	-	-	-	-	956
MS-109	MSSA-01	20-Aug-09	6	ST	1	-	8:50	2009-MILO-MSSA01-30	M-MILO	28	M	A	-	-	-	-	-	-	957
MS-110	MSSA-01	20-Aug-09	6	ST	2	-	8:50	2009-CLRU-MSSA01-31	M-CLRU	19	M	SA	-	-	-	-	-	-	958
MS-111	MSSA-01	20-Aug-09	6	PF	1	-	8:50	2009-SOCI-MSSA01-32	M-SOCI	3.6	-	A	50	45	12	7	-	-	959
MS-112	MSSA-01	20-Aug-09	6	PF	1	-	8:50	2009-SOCI-MSSA01-33	M-SOCI	4.2	-	A	42	43	12	8	-	-	960
MS-113	MSSA-01	20-Aug-09	7	ST	1	-	9:01	2009-MIPE-MSSA01-34	M-MIPE	20	M	SA	-	-	-	-	-	-	961
MS-114	MSSA-01	20-Aug-09	7	ST	2	-	9:01	2009-CLRU-MSSA01-35	M-CLRU	17.5	F	SA	-	-	-	-	-	-	962
MS-115	MSSA-01	20-Aug-09	8	ST	1	SPR	9:09	-	-	-	-	-	-	-	-	-	-	-	
MS-116	MSSA-01	20-Aug-09	10	ST	1	SPR	9:15	-	-	-	-	-	-	-	-	-	-	-	
MS-117	MSSA-01	20-Aug-09	10	ST	2	SPR	9:15	-	-	-	-	-	-	-	-	-	-	-	
MS-118	MSSA-01	20-Aug-09	11	ST	1	SPR	9:50	-	-	-	-	-	-	-	-	-	-	-	
MS-119	MSSA-01	20-Aug-09	11	ST	2	SPR	9:50	-	-	-	-	-	-	-	-	-	-	-	
MS-120	MSSA-02	20-Aug-09	1	ST	1	SPR	10:20	-	-	-	-	-	-	-	-	-	-	-	
MS-121	MSSA-02	20-Aug-09	3	PF	1	-	10:33	2009-MIPE-MSSA02-10	M-MIPE	22	F	A	-	-	-	-	-	-	963
MS-122	MSSA-02	20-Aug-09	5	ST	1	-	10:40	2009-ZAHU-MSSA02-11	M-ZAHU	15	M	A	84	14.9	32	17	-	-	964
MS-123	MSSA-03	20-Aug-09	1	ST	1	SPR	16:16	-	-	-	-	-	-	-	-	-	-	-	
MS-124	MSSA-03	20-Aug-09	3	ST	1	SPR	16:20	-	-	-	-	-	-	-	-	-	BAIT STOLEN BY GREY JAY (VISUAL)	-	
MS-125	MSSA-03	20-Aug-09	3	ST	2	SPR	16:20	-	-	-	-	-	-	-	-	-	-	-	
MS-126	MSSA-03	20-Aug-09	5	ST	1	SPR	16:27	-	-	-	-	-	-	-	-	-	-	-	
MS-127	MSSA-03	20-Aug-09	9	ST	1	SPR	16:36	-	-	-	-	-	-	-	-	-	-	-	
MS-128	MSSA-03	20-Aug-09	9	ST	2	SPR	16:36	-	-	-	-	-	-	-	-	-	-	-	
MS-129	MSSA-04	20-Aug-09	1	ST	1	-	14:45	2009-CLRU-MSSA04-23	M-CLRU	23	M	A	-	-	-	-	-	-	981
MS-130	MSSA-04	20-Aug-09	1	ST	2	SPR	14:45	-	-	-	-	-	-	-	-	-	-	-	
MS-131	MSSA-04	20-Aug-09	2	ST	1	-	14:50	2009-CLRU-MSSA04-24	M-CLRU	23	F	A	-	-	-	-	-	-	982
MS-132	MSSA-04	20-Aug-09	3	ST	1	-	14:55	2009-MILO-MSSA04-25	M-MILO	25	F	A	-	-	-	-	-	-	983
MS-133	MSSA-04	20-Aug-09	4	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	
MS-134	MSSA-04	20-Aug-09	5	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MS-135	MSSA-04	20-Aug-09	5	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	MISSING TRAP; REPLACED	-	
MS-136	MSSA-04	20-Aug-09	6	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	
MS-137	MSSA-04	20-Aug-09	6	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	MISSING TRAP; REPLACED	-	
MS-138	MSSA-04	20-Aug-09	7	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	MISSING TRAP; REPLACED	-	

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MS-139	MSSA-04	20-Aug-09	7	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	MISSING TRAP; REPLACED	-
MS-140	MSSA-04	20-Aug-09	8	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
MS-141	MSSA-04	20-Aug-09	8	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
MS-142	MSSA-04	20-Aug-09	9	ST	1	-	15:10	-	M-MISP	-	-	-	-	-	-	-	-	-	-
MS-143	MSSA-04	20-Aug-09	9	PF	1	-	15:10	2009-MIPE-MSSA04-26	M-MIPE	18	M	SA	-	-	-	-	-	ONLY HEAD LEFT IN TRAP	984
MS-144	MSSA-04	20-Aug-09	10	ST	1	-	15:18	2009-CLRU-MSSA04-27	M-CLRU	18	F	SA	-	-	-	-	-	-	-
MS-145	MSSA-04	20-Aug-09	10	ST	2	-	15:18	2009-MIPE-MSSA04-28	M-MIPE	38.5	F	A	120	40	18	19	-	LACTATING	985
MS-146	MSSA-04	20-Aug-09	11	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
MS-147	MSSA-04	20-Aug-09	11	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
MS-148	MSSA-05	20-Aug-09	1	ST	1	-	11:20	2009-LESI-MSSA05-03	M-LESI	26	M	A	-	-	-	-	-	-	966
MS-149	MSSA-05	20-Aug-09	7	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
MS-150	MSSA-05	20-Aug-09	10	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
MS-151	MSSA-06	20-Aug-09	1	ST	1	-	13:27	2009-CLRU-MSSA06-18	M-CLRU	21.5	F	A	-	-	-	-	-	-	967
MS-152	MSSA-06	20-Aug-09	1	ST	2	-	13:27	2009-CLRU-MSSA06-19	M-CLRU	21	M	A	-	-	-	-	-	-	968
MS-153	MSSA-06	20-Aug-09	3	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
MS-154	MSSA-06	20-Aug-09	4	ST	1	-	13:34	2009-CLRU-MSSA06-20	M-CLRU	21.5	F	A	-	-	-	-	-	-	969
MS-155	MSSA-06	20-Aug-09	5	ST	1	-	13:42	2009-CLRU-MSSA06-21	M-CLRU	18.5	F	SA	-	-	-	-	-	-	970
MS-156	MSSA-06	20-Aug-09	5	ST	2	-	13:42	2009-CLRU-MSSA06-22	M-CLRU	20	M	A	-	-	-	-	-	-	971
MS-157	MSSA-06	20-Aug-09	6	ST	1	-	13:48	2009-CLRU-MSSA06-23	M-CLRU	19	M	SA	-	-	-	-	-	-	972
MS-158	MSSA-06	20-Aug-09	6	ST	2	-	13:48	2009-CLRU-MSSA06-24	M-CLRU	22.5	F	A	-	-	-	-	-	-	973
MS-159	MSSA-06	20-Aug-09	7	ST	1	-	13:54	2009-CLRU-MSSA06-25	M-CLRU	19	M	SA	-	-	-	-	-	-	974
MS-160	MSSA-06	20-Aug-09	8	ST	1	-	13:59	2009-MIPE-MSSA06-26	M-MIPE	18	F	SA	-	-	-	-	-	-	975
MS-161	MSSA-06	20-Aug-09	8	ST	2	-	13:59	2009-CLRU-MSSA06-27	M-CLRU	31	M	A	-	-	-	-	-	-	976
MS-162	MSSA-06	20-Aug-09	10	ST	1	-	14:05	2009-CLRU-MSSA06-28	M-CLRU	19	F	SA	-	-	-	-	-	-	977
MS-163	MSSA-06	20-Aug-09	10	ST	2	-	14:05	2009-CLRU-MSSA06-29	M-CLRU	13	F	J	-	-	-	-	-	-	978
MS-164	MSSA-06	20-Aug-09	11	ST	1	-	14:09	2009-CLRU-MSSA06-30	M-CLRU	22	F	A	-	-	-	-	-	-	979
MS-165	MSSA-01	21-Aug-09	1	ST	1	-	9:00	2009-CLRU-MSSA01-36	M-CLRU	15	M	SA	-	-	-	-	-	-	993
MS-166	MSSA-01	21-Aug-09	1	ST	2	-	9:00	2009-CLRU-MSSA01-37	M-CLRU	17.5	F	SA	-	-	-	-	-	-	994
MS-167	MSSA-01	21-Aug-09	2	ST	1	-	9:05	2009-MIPE-MSSA01-38	M-MIPE	22	M	A	-	-	-	-	-	-	50
MS-168	MSSA-01	21-Aug-09	2	ST	2	-	9:05	2009-MIPE-MSSA01-39	M-MIPE	16.5	F	SA	-	-	-	-	-	-	51
MS-169	MSSA-01	21-Aug-09	3	ST	1	-	9:10	2009-CLRU-MSSA01-40	M-CLRU	20	M	SA	-	-	-	-	-	-	52
MS-170	MSSA-01	21-Aug-09	3	PF	1	-	9:13	2009-SOCI-MSSA01-41	M-CLRU	4.9	-	A	49	44	13	8	-	-	53
MS-171	MSSA-01	21-Aug-09	3	PF	1	-	9:13	2009-CLRU-MSSA01-42	M-CLRU	23.5	F	A	-	-	-	-	-	-	54
MS-172	MSSA-01	21-Aug-09	4	ST	1	-	9:20	2009-MIPE-MSSA01-43	M-MIPE	19.5	F	SA	-	-	-	-	-	-	55
MS-173	MSSA-01	21-Aug-09	5	ST	1	SPR	9:24	-	-	-	-	-	-	-	-	-	BIRD FOOT IN TRAP	-	
MS-174	MSSA-01	21-Aug-09	6	ST	1	-	9:26	2009-CLRU-MSSA01-44	M-CLRU	22.5	F	A	-	-	-	-	-	-	56
MS-175	MSSA-01	21-Aug-09	6	PF	1	-	9:26	2009-SOCI-MSSA01-45	M-SOCI	3.5	-	A	47	41	12	9	-	-	57
MS-176	MSSA-01	21-Aug-09	9	ST	1	SPR	9:35	-	-	-	-	-	-	-	-	-	-	-	
MS-177	MSSA-01	21-Aug-09	10	ST	2	-	9:38	2009-CLRU-MSSA01-46	M-CLRU	24	F	A	-	-	-	-	-	-	58
MS-178	MSSA-01	21-Aug-09	11	ST	1	-	9:43	2009-MIPE-MSSA01-47	M-MIPE	18	M	SA	-	-	-	-	-	-	59
MS-179	MSSA-01	21-Aug-09	11	ST	2	SPR	9:45	-	-	-	-	-	-	-	-	-	-	-	
MS-180	MSSA-02	21-Aug-09	2	ST	1	SPR	10:15	-	-	-	-	-	-	-	-	-	-	-	
MS-181	MSSA-02	21-Aug-09	6	PF	1	-	10:22	2009-MIPE-MSSA02-12	M-MIPE	26	M	A	-	-	-	-	-	-	60

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
MS-182	MSSA-02	21-Aug-09	6	PF	1	-	10:22	2009-MIPE-MSSA02-13	M-MIPE	23	F	A	-	-	-	-	-	-	61-62
MS-183	MSSA-02	21-Aug-09	8	ST	1	-	10:30	2009-LESI-MSSA02-14	M-LESI	27.5	M	A	-	-	-	-	-	-	63
MS-184	MSSA-02	21-Aug-09	11	ST	1	-	10:41	2009-LISP-MSSA02-15	B-LISP	-	-	-	-	-	-	-	-	-	
MS-185	MSSA-03	21-Aug-09	2	ST	1	SPR	15:38	-	-	-	-	-	-	-	-	-	-	-	
MS-186	MSSA-03	21-Aug-09	3	ST	1	-	15:42	2009-CLRU-MSSA03-04	M-CLRU	26	M	A	-	-	-	-	-	-	86
MS-187	MSSA-03	21-Aug-09	4	ST	1	-	15:46	2009-SOCI-MSSA03-05	M-SOCI	3.1	-	SA	50	38	12	7	-	-	87
MS-188	MSSA-03	21-Aug-09	5	ST	1	-	15:50	2009-MIPE-MSSA03-06	M-MIPE	7	M	J	-	-	-	-	-	-	88
MS-189	MSSA-03	21-Aug-09	2	ST	-	-	-	2009-GRJA-MSSA03-07	B-GRJA	-	-	-	-	-	-	-	BIRD CAUGHT IN TRAP WHILE LINE WAS BEING CHEC-	-	
MS-190	MSSA-04	21-Aug-09	1	ST	1	-	14:15	2009-CLRU-MSSA04-29	M-CLRU	21	F	A	-	-	-	-	-	-	74
MS-191	MSSA-04	21-Aug-09	1	ST	2	-	14:15	2009-CLRU-MSSA04-30	M-CLRU	20	F	A	-	-	-	-	-	-	75
MS-192	MSSA-04	21-Aug-09	1	ST	3	-	14:15	2009-CLRU-MSSA04-31	M-CLRU	19	F	SA	-	-	-	-	-	-	76
MS-193	MSSA-04	21-Aug-09	2	ST	1	-	14:25	2009-CLRU-MSSA04-32	M-CLRU	22	F	A	-	-	-	-	-	-	77
MS-194	MSSA-04	21-Aug-09	2	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	BROKEN TRAP	-	
MS-195	MSSA-04	21-Aug-09	4	ST	1	-	14:30	2009-CLRU-MSSA04-33	M-CLRU	19.5	F	SA	-	-	-	-	-	-	78
MS-196	MSSA-04	21-Aug-09	5	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MS-197	MSSA-04	21-Aug-09	6	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	
MS-198	MSSA-04	21-Aug-09	7	ST	1	-	14:38	2009-CLRU-MSSA04-34	M-CLRU	22.5	M	A	-	-	-	-	-	-	79
MS-199	MSSA-04	21-Aug-09	7	ST	2	-	14:38	2009-MIPE-MSSA04-35	M-MIPE	16	M	SA	-	-	-	-	-	-	80
MS-200	MSSA-04	21-Aug-09	8	ST	1	-	14:45	2009-MIPE-MSSA04-36	M-MIPE	16	M	SA	-	-	-	-	-	-	81
MS-201	MSSA-04	21-Aug-09	8	ST	2	-	14:45	2009-CLRU-MSSA04-37	M-CLRU	17	M	SA	-	-	-	-	-	-	82
MS-202	MSSA-04	21-Aug-09	9	ST	1	-	14:50	2009-MIPE-MSSA04-38	M-MIPE	50	M	A	-	-	-	-	-	-	83
MS-203	MSSA-04	21-Aug-09	10	ST	1	-	14:55	2009-CLRU-MSSA04-39	M-CLRU	17	M	SA	-	-	-	-	-	-	84
MS-204	MSSA-04	21-Aug-09	10	ST	2	-	14:55	2009-CLRU-MSSA04-40	M-CLRU	13	F	J	-	-	-	-	-	-	85
MS-205	MSSA-04	21-Aug-09	11	ST	1	SPR	15:02	-	-	-	-	-	-	-	-	-	-	-	
MS-207	MSSA-05	21-Aug-09	7	ST	1	-	11:20	2009-LISP-MSSA05-04	B-LISP	-	-	-	-	-	-	-	-	-	65
MS-208	MSSA-05	21-Aug-09	11	ST	1	-	11:30	2009-MIPE-MSSA05-05	M-MIPE	24	M	A	-	-	-	-	-	-	66
MS-213	MSSA-06	21-Aug-09	2	ST	1	SPR	13:35	-	-	-	-	-	-	-	-	-	-	-	
MS-214	MSSA-06	21-Aug-09	4	ST	1	-	13:40	2009-CLRU-MSSA06-31	M-CLRU	21	F	A	-	-	-	-	-	-	67
MS-215	MSSA-06	21-Aug-09	6	ST	1	-	13:46	2009-CLRU-MSSA06-32	M-CLRU	24	M	A	-	-	-	-	-	-	68
MS-216	MSSA-06	21-Aug-09	6	ST	2	-	13:46	2009-CLRU-MSSA06-33	M-CLRU	18.5	F	SA	-	-	-	-	-	-	69
MS-217	MSSA-06	21-Aug-09	8	ST	1	SPR	13:54	-	-	-	-	-	-	-	-	-	-	-	
MS-218	MSSA-06	21-Aug-09	9	ST	1	-	13:57	2009-MIPE-MSSA06-34	M-MIPE	19	F	SA	-	-	-	-	-	-	70
MS-219	MSSA-06	21-Aug-09	10	ST	1	SPR	14:02	-	-	-	-	-	-	-	-	-	-	-	
MS-220	MSSA-06	21-Aug-09	10	ST	2	-	14:02	2009-CLRU-MSSA06-35	M-CLRU	20	M	SA	-	-	-	-	-	-	71
MS-221	MSSA-06	21-Aug-09	11	ST	1	-	14:06	2009-CLRU-MSSA06-36	M-CLRU	30	F	A	-	-	-	-	-	LACTATING	72
MS-222	MSSA-06	21-Aug-09	11	ST	2	-	14:12	2009-CLRU-MSSA06-37	M-CLRU	20	F	SA	-	-	-	-	-	-	-
PC-01	PCSA-01	24-Aug-09	1	ST	1	-	8:52	2009-CLRU-PCSA01-01	M-CLRU	16	F	SA	-	-	-	-	-	-	98
PC-02	PCSA-01	24-Aug-09	1	ST	2	-	8:52	2009-CLRU-PCSA01-02	M-CLRU	30	M	A	-	-	-	-	-	-	99
PC-03	PCSA-01	24-Aug-09	2	ST	1	SPR	8:54	-	-	-	-	-	-	-	-	-	-	-	
PC-04	PCSA-01	24-Aug-09	3	PF	1	-	8:56	2009-MIPE-PCSA01-03	M-MIPE	26	F	A	-	-	-	-	-	-	100
PC-05	PCSA-01	24-Aug-09	3	PF	1	-	8:56	2009-LESI-PCSA01-04	M-LESI	32	F	A	-	-	-	-	-	-	101
PC-06	PCSA-01	24-Aug-09	4	ST	1	-	9:01	2009-MIPE-PCSA01-05	M-MIPE	39	F	A	-	-	-	-	-	-	102
PC-07	PCSA-01	24-Aug-09	5	ST	1	-	9:05	2009-SOCI-PCSA01-06	M-SOCI	5.8	-	A	57	45	12	9	-	-	103

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAJE	COMMENTS	PHOTO_NO
PC-08	PCSA-01	24-Aug-09	7	ST	1	-	9:13	2009-MILO-PCSA01-07	M-MILO	44	M	A	-	-	-	-	-	-	104
PC-09	PCSA-01	24-Aug-09	8	ST	1	-	9:20	2009-MILO-PCSA01-08	M-MILO	38.5	F	A	-	-	-	-	-	-	105
PC-10	PCSA-01	24-Aug-09	8	ST	2	-	9:20	2009-MIPE-PCSA01-09	M-MIPE	30	F	A	92+	60	22	15	-	-	107
PC-11	PCSA-01	24-Aug-09	9	ST	1	-	9:30	2009-CLRU-PCSA01-10	M-CLRU	23	F	A	-	-	-	-	-	-	108
PC-12	PCSA-01	24-Aug-09	9	ST	2	-	9:30	2009-CLRU-PCSA01-11	M-CLRU	23	F	A	-	-	-	-	-	-	109
PC-13	PCSA-01	24-Aug-09	10	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-14	PCSA-01	24-Aug-09	10	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-15	PCSA-01	24-Aug-09	11	ST	1	-	9:40	2009-CLRU-PCSA01-12	M-CLRU	15	M	SA	-	-	-	-	-	-	110
PC-16	PCSA-02	24-Aug-09	1	ST	1	-	10:00	2009-MIPE-PCSA02-01	M-MIPE	32	F	A	-	-	-	-	-	-	111
PC-17	PCSA-03	24-Aug-09	1	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	
PC-18	PCSA-03	24-Aug-09	1	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-19	PCSA-03	24-Aug-09	3	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-20	PCSA-03	24-Aug-09	7	ST	1	-	10:42	2009-CLRU-PCSA03-01	M-CLRU	28	F	A	-	-	-	-	-	-	112
PC-21	PCSA-03	24-Aug-09	7	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-22	PCSA-03	24-Aug-09	8	ST	1	-	10:48	2009-CLRU-PCSA03-02	M-CLRU	9.5	F	J	-	-	-	-	-	-	113
PC-23	PCSA-03	24-Aug-09	9	ST	1	-	10:52	2009-CLRU-PCSA03-03	M-CLRU	11	F	J	-	-	-	-	-	-	114
PC-24	PCSA-03	24-Aug-09	10	ST	1	-	10:56	2009-CLRU-PCSA03-04	M-CLRU	23.5	M	A	-	-	-	-	-	-	115
PC-25	PCSA-03	24-Aug-09	10	ST	2	-	10:56	2009-CLRU-PCSA03-05	M-CLRU	18	M	SA	-	-	-	-	-	-	118
PC-26	PCSA-03	24-Aug-09	11	ST	1	-	11:04	2009-CLRU-PCSA03-06	M-CLRU	29	F	A	-	-	-	-	-	-	119
PC-27	PCSA-04	24-Aug-09	2	ST	1	SPR	11:23	-	-	-	-	-	-	-	-	-	-	-	-
PC-28	PCSA-04	24-Aug-09	6	ST	1	SPR	11:23	-	-	-	-	-	-	-	-	-	-	-	-
PC-29	PCSA-05	24-Aug-09	1	ST	1	SPR	12:02	-	-	-	-	-	-	-	-	-	-	-	-
PC-30	PCSA-05	24-Aug-09	1	ST	2	SPR	12:02	-	-	-	-	-	-	-	-	-	-	-	-
PC-31	PCSA-05	24-Aug-09	8	ST	1	SPR	12:08	-	-	-	-	-	-	-	-	-	-	-	-
PC-32	PCSA-05	24-Aug-09	8	ST	2	SPR	12:08	-	-	-	-	-	-	-	-	-	-	-	-
PC-33	PCSA-06	24-Aug-09	1	ST	1	SPR	12:30	-	-	-	-	-	-	-	-	-	-	-	-
PC-34	PCSA-06	24-Aug-09	2	ST	1	SPR	12:32	-	-	-	-	-	-	-	-	-	-	-	-
PC-35	PCSA-06	24-Aug-09	4	ST	1	SPR	12:35	-	-	-	-	-	-	-	-	-	-	-	-
PC-36	PCSA-06	24-Aug-09	6	ST	1	SPR	12:37	-	-	-	-	-	-	-	-	-	FEATHERS IN TRAP	-	
PC-37	PCSA-06	24-Aug-09	9	PF	1	-	12:40	2009-ZAHU-PCSA06-01	M-ZAHU	12	M	J	71	66	30	12	-	TIP OF TAIL WAS INJURED/CUT PREVIOUS	120
PC-38	PCSA-06	24-Aug-09	9	PF	1	-	12:40	2009-MIPE-PCSA06-02	M-MIPE	16	F	SA	-	43	-	-	-	-	121
PC-39	PCSA-06	24-Aug-09	9	PF	1	-	12:40	2009-MIPE-PCSA06-03	M-MIPE	17	F	SA	-	-	-	-	-	-	122
PC-40	PCSA-06	24-Aug-09	11	ST	1	SPR	12:50	-	-	-	-	-	-	-	-	-	-	-	-
PC-41	PCSA-01	25-Aug-09	1	ST	1	-	9:47	2009-CLRU-PCSA01-13	M-CLRU	10	M	J	-	-	-	-	-	-	-
PC-42	PCSA-01	25-Aug-09	1	ST	2	SPR	9:47	-	-	-	-	-	-	-	-	-	MISSING & REPLACED TRAP	-	
PC-43	PCSA-01	25-Aug-09	2	ST	1	-	-	-	M-MISP	-	-	-	-	-	-	-	ANIMAL EATEN IN TRAP; ONLY HEAD LEFT	-	
PC-44	PCSA-01	25-Aug-09	2	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-45	PCSA-01	25-Aug-09	3	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	MISSING & REPLACED TRAP	-	
PC-46	PCSA-01	25-Aug-09	4	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-47	PCSA-01	25-Aug-09	4	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-48	PCSA-01	25-Aug-09	6	ST	1	-	9:58	2009-MILO-PCSA01-14	M-MILO	25	M	A	-	-	-	-	-	-	-
PC-49	PCSA-01	25-Aug-09	7	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	
PC-50	PCSA-01	25-Aug-09	7	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
PC-51	PCSA-01	25-Aug-09	8	ST	1	-	10:05	-	M-MISP	-	-	-	-	-	-	-	-	ANIMAL EATEN IN TRAP	-
PC-52	PCSA-01	25-Aug-09	8	ST	2	SPR	10:05	-	-	-	-	-	-	-	-	-	-	-	-
PC-53	PCSA-01	25-Aug-09	9	ST	1	SPR	10:12	-	-	-	-	-	-	-	-	-	-	-	-
PC-54	PCSA-01	25-Aug-09	9	ST	2	SPR	10:12	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-55	PCSA-01	25-Aug-09	10	ST	1	-	10:17	2009-SOCI-PCSA01-15	M-SOCI	4.8	-	A	48	41	11	9	GREY BACK WITH LIGHT BUFFY BELLY	-	-
PC-56	PCSA-01	25-Aug-09	10	ST	2	-	10:17	2009-SOCI-PCSA01-16	M-SOCI	6.1	-	A	55	47	12	8	-	-	-
PC-57	PCSA-01	25-Aug-09	11	ST	1	SPR	10:37	-	-	-	-	-	-	-	-	-	-	-	-
PC-58	PCSA-01	25-Aug-09	11	ST	2	SPR	10:37	-	-	-	-	-	-	-	-	-	-	-	-
PC-59	PCSA-02	25-Aug-09	6	PF	1	-	10:53	2009-SOCI-PCSA02-02	M-SOCI	6.7	-	A	60	52	13	8	BROWNISH GREY BACK; BUFF UNDERBELLY; BICOLOUR TAIL	-	-
PC-60	PCSA-03	25-Aug-09	1	ST	1	-	11:23	2009-CLRU-PCSA03-07	M-CLRU	18	M	SA	-	-	-	-	-	-	-
PC-61	PCSA-03	25-Aug-09	2	ST	1	-	11:27	2009-CLRU-PCSA03-08	M-CLRU	21	M	A	-	-	-	-	-	-	-
PC-62	PCSA-03	25-Aug-09	2	ST	2	-	11:27	2009-CLRU-PCSA03-09	M-CLRU	21	M	A	-	-	-	-	-	-	-
PC-63	PCSA-03	25-Aug-09	3	ST	1	-	11:32	2009-CLRU-PCSA03-10	M-CLRU	21.5	F	A	-	-	-	-	-	-	-
PC-64	PCSA-03	25-Aug-09	4	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-65	PCSA-03	25-Aug-09	5	ST	1	-	11:38	2009-MIPE-PCSA03-11	M-MIPE	14	M	J	-	-	-	-	-	-	-
PC-66	PCSA-03	25-Aug-09	7	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-67	PCSA-03	25-Aug-09	8	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-68	PCSA-03	25-Aug-09	8	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-69	PCSA-03	25-Aug-09	9	PF	1	-	11:44	2009-MIPE-PCSA03-12	M-MIPE	15	F	J	-	-	-	-	-	-	-
PC-70	PCSA-03	25-Aug-09	9	PF	1	-	11:44	2009-CLRU-PCSA03-13	M-CLRU	24	M	A	-	-	-	-	-	-	-
PC-71	PCSA-03	25-Aug-09	9	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	
PC-72	PCSA-03	25-Aug-09	9	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	
PC-73	PCSA-03	25-Aug-09	10	ST	1	-	11:49	2009-CLRU-PCSA03-14	M-CLRU	14	M	J	-	-	-	-	HEAD PARTIALLY EATEN	-	
PC-74	PCSA-03	25-Aug-09	10	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	
PC-75	PCSA-03	25-Aug-09	11	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-76	PCSA-04	25-Aug-09	2	ST	1	-	12:15	2009-SOCI-PCSA04-01	M-SOCI	3.7	-	A	49	42	12	8	BROWNISH GREY BACK; BUFF UNDERBELLY; BICOLOUR TAIL	-	-
PC-77	PCSA-04	25-Aug-09	6	ST	1	-	12:30	2009-SOCI-PCSA04-02	M-SOCI	3.6	-	A	47	42	12	8	-	-	-
PC-78	PCSA-04	25-Aug-09	6	ST	1	SPR	12:30	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	
PC-79	PCSA-04	25-Aug-09	8	ST	1	SPR	12:35	-	-	-	-	-	-	-	-	-	-	-	-
PC-80	PCSA-05	25-Aug-09	4	ST	1	SPR	12:54	-	-	-	-	-	-	-	-	-	-	-	-
PC-81	PCSA-05	25-Aug-09	6	ST	1	SPR	12:59	-	-	-	-	-	-	-	-	-	-	-	-
PC-82	PCSA-05	25-Aug-09	8	ST	1	SPR	13:02	-	-	-	-	-	-	-	-	-	-	-	-
PC-83	PCSA-05	25-Aug-09	8	ST	2	SPR	13:02	-	-	-	-	-	-	-	-	-	-	-	-
PC-84	PCSA-05	25-Aug-09	11	ST	1	SPR	13:13	-	-	-	-	-	-	-	-	-	-	-	-
PC-85	PCSA-05	25-Aug-09	11	ST	2	SPR	13:13	-	-	-	-	-	-	-	-	-	-	-	-
PC-86	PCSA-06	25-Aug-09	1	ST	1	SPR	13:20	-	-	-	-	-	-	-	-	-	-	-	-
PC-87	PCSA-06	25-Aug-09	2	ST	1	SPR	13:22	-	-	-	-	-	-	-	-	-	-	-	-
PC-88	PCSA-06	25-Aug-09	4	ST	1	-	12:25	2009-CLRU-PCSA06-04	M-CLRU	17	M	SA	-	-	-	-	-	-	-
PC-89	PCSA-06	25-Aug-09	4	ST	2	-	12:25	2009-SOCI-PCSA06-05	M-SOCI	3.4	-	A	51	44	12	8	-	-	-
PC-90	PCSA-06	25-Aug-09	5	ST	1	SPR	12:30	-	-	-	-	-	-	-	-	-	-	-	-
PC-91	PCSA-06	25-Aug-09	5	ST	2	SPR	12:30	-	-	-	-	-	-	-	-	-	-	-	-
PC-92	PCSA-06	25-Aug-09	7	ST	1	-	12:35	2009-GRJA-PCSA06-06	B-GRJA	-	-	-	-	-	-	-	-	-	-
PC-93	PCSA-06	25-Aug-09	10	ST	1	SPR	12:40	-	-	-	-	-	-	-	-	-	-	-	-

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
PC-94	PCSA-01	26-Aug-09	1	ST	1	SPR	10:14	-	-	-	-	-	-	-	-	-	-	TRAP MISSING; REPLACED TRAP	-
PC-95	PCSA-01	26-Aug-09	1	ST	2	SPR	10:14	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-96	PCSA-01	26-Aug-09	2	ST	1	SPR	10:18	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-97	PCSA-01	26-Aug-09	2	ST	2	SPR	10:18	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-98	PCSA-01	26-Aug-09	3	ST	1	SPR	10:23	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-99	PCSA-01	26-Aug-09	3	ST	2	-	10:23	2009-CLRU-PCSA01-17	M-CLRU	21	M	A	-	-	-	-	-	-	111
PC-100	PCSA-01	26-Aug-09	3	PF	1	-	10:28	2009-CLRU-PCSA01-18	M-CLRU	21.5	M	A	-	-	-	-	-	-	112
PC-101	PCSA-01	26-Aug-09	3	PF	1	-	10:28	2009-CLRU-PCSA01-19	M-CLRU	21	M	A	-	-	-	-	-	-	113
PC-102	PCSA-01	26-Aug-09	4	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-103	PCSA-01	26-Aug-09	4	ST	2	-	10:35	2009-CLRU-PCSA01-20	M-CLRU	19	F	SA	-	-	-	-	-	-	114
PC-104	PCSA-01	26-Aug-09	5	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-105	PCSA-01	26-Aug-09	5	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-106	PCSA-01	26-Aug-09	6	ST	1	-	-	-	M-UNK	-	-	-	-	-	-	-	-	ANIMAL PARTS STILL IN TRAP	-
PC-107	PCSA-01	26-Aug-09	7	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-108	PCSA-01	26-Aug-09	7	ST	2	-	10:41	2009-MIPE-PCSA01-21	M-MIPE	21	M	A	80+	51	20	-	-	ANIMAL PARTIALLY EATEN	115
PC-109	PCSA-01	26-Aug-09	8	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-110	PCSA-01	26-Aug-09	8	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-111	PCSA-01	26-Aug-09	9	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	ANIMAL FOOT LEFT IN TRAP	-
PC-112	PCSA-01	26-Aug-09	9	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-113	PCSA-01	26-Aug-09	10	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-114	PCSA-01	26-Aug-09	10	ST	2	-	10:48	2009-CLRU-PCSA01-22	M-CLRU	22	F	A	-	-	-	-	-	-	116
PC-115	PCSA-01	26-Aug-09	11	ST	1	-	10:53	2009-MILO-PCSA01-23	M-MILO	41	F	A	-	-	-	-	-	LACTATING	117
PC-116	PCSA-01	26-Aug-09	11	ST	2	-	10:53	2009-MIPE-PCSA01-24	M-MIPE	7	M	J	-	-	-	-	-	-	118
PC-117	PCSA-03	26-Aug-09	1	ST	1	-	11:45	2009-GRJA-PCSA03-15	B-GRJA	-	-	-	-	-	-	-	-	-	-
PC-118	PCSA-03	26-Aug-09	1	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	FRESH BLOOD ON TRAP	-
PC-119	PCSA-03	26-Aug-09	5	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-120	PCSA-03	26-Aug-09	6	ST	1	-	11:50	2009-CLRU-PCSA03-16	M-CLRU	16	F	SA	-	-	-	-	-	-	120
PC-121	PCSA-03	26-Aug-09	7	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-122	PCSA-03	26-Aug-09	7	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-123	PCSA-03	26-Aug-09	9	ST	1	-	11:55	2009-CLRU-PCSA03-17	M-CLRU	13.5	F	J	-	-	-	-	-	-	121
PC-124	PCSA-03	26-Aug-09	10	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-125	PCSA-04	26-Aug-09	2	ST	1	SPR	12:41	-	-	-	-	-	-	-	-	-	-	-	-
PC-126	PCSA-04	26-Aug-09	9	ST	1	SPR	12:45	-	-	-	-	-	-	-	-	-	-	-	-
PC-127	PCSA-05	26-Aug-09	1	ST	1	-	13:03	2009-GRJA-PCSA05-01	B-GRJA	-	-	-	-	-	-	-	-	-	122
PC-128	PCSA-05	26-Aug-09	2	ST	1	-	13:05	2009-SOCI-PCSA05-02	M-SOCI	3.6	-	A	50	45	11	10	BROWNISH GREY BACK; BUFF UNDERBELLY; BICOLOUR TAIL	-	123
PC-129	PCSA-05	26-Aug-09	3	ST	1	-	13:10	2009-SOCI-PCSA05-03	M-SOCI	3.3	-	A	52	41	11	9	BROWNISH GREY BACK; BUFF UNDERBELLY; BICOLOUR TAIL	-	124
PC-130	PCSA-05	26-Aug-09	6	ST	1	SPR	13:15	-	-	-	-	-	-	-	-	-	-	-	-
PC-131	PCSA-05	26-Aug-09	8	ST	1	SPR	13:17	-	-	-	-	-	-	-	-	-	-	-	-
PC-132	PCSA-06	26-Aug-09	1	ST	1	SPR	13:36	-	-	-	-	-	-	-	-	-	-	-	-
PC-133	PCSA-06	26-Aug-09	2	ST	1	-	13:39	2009-ZAHU-PCSA06-07	M-ZAHU	13	F	J	62	61	19	18	-	-	125-126
PC-134	PCSA-06	26-Aug-09	2	ST	2	SPR	13:42	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	-
PC-135	PCSA-06	26-Aug-09	3	ST	1	SPR	13:44	-	-	-	-	-	-	-	-	-	BAIT MISSING	-	-
PC-136	PCSA-06	26-Aug-09	3	ST	2	SPR	13:44	-	-	-	-	-	-	-	-	-	-	-	-

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAJE	COMMENTS	PHOTO_NO
PC-137	PCSA-06	26-Aug-09	5	ST	1	SPR	13:46	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-138	PCSA-06	26-Aug-09	6	ST	1	SPR	13:48	-	-	-	-	-	-	-	-	-	-	-	-
PC-139	PCSA-06	26-Aug-09	7	ST	1	SPR	13:50	-	-	-	-	-	-	-	-	-	-	-	-
PC-140	PCSA-06	26-Aug-09	11	ST	1	SPR	13:53	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-141	PCSA-01	27-Aug-09	1	ST	1	-	8:11	2009-CLRU-PCSA01-25	M-CLRU	16	F	SA	-	-	-	-	-	-	127
PC-142	PCSA-01	27-Aug-09	1	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-143	PCSA-01	27-Aug-09	2	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-144	PCSA-01	27-Aug-09	3	ST	1	-	8:18	2009-CLRU-PCSA01-26	M-CLRU	15.5	F	SA	-	-	-	-	-	-	129
PC-145	PCSA-01	27-Aug-09	3	ST	2	-	8:18	2009-CLRU-PCSA01-27	M-CLRU	21	F	A	-	-	-	-	-	-	130
PC-146	PCSA-01	27-Aug-09	4	ST	1	-	8:25	2009-CLRU-PCSA01-28	M-CLRU	20	M	A	-	-	-	-	-	-	131
PC-147	PCSA-01	27-Aug-09	4	ST	2	-	8:25	2009-CLRU-PCSA01-29	M-CLRU	34	M	A	105	42	20	17	-	-	132
PC-148	PCSA-01	27-Aug-09	5	ST	1	-	8:32	2009-MILO-PCSA01-30	M-MILO	33	M	A	-	-	-	-	-	-	133
PC-149	PCSA-01	27-Aug-09	6	ST	1	-	10:37	2009-CLRU-PCSA01-31	M-CLRU	22	F	A	-	-	-	-	-	-	134
PC-150	PCSA-01	27-Aug-09	7	ST	1	-	10:42	2009-LESI-PCSA01-32	M-LESI	59	F	A	-	-	-	-	-	-	135
PC-151	PCSA-01	27-Aug-09	7	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-152	PCSA-01	27-Aug-09	8	ST	1	-	-	-	M-UNK	-	-	-	-	-	-	-	-	ANIMAL NOSE IN TRAP	-
PC-153	PCSA-01	27-Aug-09	9	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-154	PCSA-01	27-Aug-09	9	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	TRAP MISSING; REPLACED TRAP	-
PC-155	PCSA-01	27-Aug-09	10	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING; BLOOD ON TRAP	-
PC-156	PCSA-01	27-Aug-09	10	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-157	PCSA-01	27-Aug-09	11	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-158	PCSA-01	27-Aug-09	11	ST	2	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-159	PCSA-02	27-Aug-09	4	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-160	PCSA-03	27-Aug-09	1	ST	1	-	10:25	2009-CLRU-PCSA03-18	M-CLRU	21	F	A	-	-	-	-	-	-	139
PC-161	PCSA-03	27-Aug-09	1	ST	2	-	10:25	2009-CLRU-PCSA03-19	M-CLRU	13	M	J	-	-	-	-	-	-	140
PC-162	PCSA-03	27-Aug-09	2	ST	1	-	10:33	2009-LESI-PCSA03-20	M-LESI	25	M	A	-	-	-	-	-	-	141
PC-163	PCSA-03	27-Aug-09	5	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-164	PCSA-03	27-Aug-09	6	ST	1	SPR	-	-	-	-	-	-	-	-	-	-	-	-	-
PC-165	PCSA-03	27-Aug-09	11	ST	1	-	10:45	2009-GRJA-PCSA03-21	B-GRJA	-	-	-	-	-	-	-	-	-	142
PC-166	PCSA-04	27-Aug-09	5	ST	1	SPR	11:20	-	-	-	-	-	-	-	-	-	-	-	-
PC-167	PCSA-05	27-Aug-09	1	ST	1	SPR	11:58	-	-	-	-	-	-	-	-	-	-	-	-
PC-168	PCSA-05	27-Aug-09	3	ST	1	-	12:00	2009-SOCI-PCSA05-04	M-SOCI	3.5	-	A	50	44	12	9	-	-	145
PC-169	PCSA-05	27-Aug-09	4	ST	1	SPR	12:04	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-170	PCSA-05	27-Aug-09	4	ST	2	SPR	12:04	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-171	PCSA-05	27-Aug-09	5	ST	1	SPR	12:06	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-172	PCSA-05	27-Aug-09	5	ST	2	SPR	12:06	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-173	PCSA-05	27-Aug-09	6	ST	1	SPR	12:08	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-174	PCSA-05	27-Aug-09	6	ST	2	SPR	12:08	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-175	PCSA-05	27-Aug-09	7	ST	1	SPR	12:09	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-176	PCSA-05	27-Aug-09	8	ST	1	SPR	12:10	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-177	PCSA-05	27-Aug-09	8	ST	2	SPR	12:10	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-178	PCSA-05	27-Aug-09	11	ST	1	SPR	12:12	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-
PC-179	PCSA-05	27-Aug-09	11	ST	2	SPR	12:12	-	-	-	-	-	-	-	-	-	-	BAIT MISSING	-

Small Mammals Capture Data

OBS_NO	TRANSECT_ID	DATE_CHK	STN_NO	TRAP_TYPE	TRAP_NO	TRAP_STATUS	TIME_CHK	SPECIMEN_ID	SPP_CODE	WT_G	SEX_CLASS	AGE_CLASS	BL_MM	TL_MM	HF_MM	EL_MM	PELAGE	COMMENTS	PHOTO_NO
PC-180	PCSA-06	27-Aug-09	2	ST	1	SPR	12:47	-	-	-	-	-	-	-	-	-	-	-	-
PC-181	PCSA-06	27-Aug-09	3	ST	1	SPR	12:49	-	-	-	-	-	-	-	-	-	-	-	-
PC-182	PCSA-06	27-Aug-09	3	ST	2	SPR	12:49	-	-	-	-	-	-	-	-	-	-	-	-
PC-183	PCSA-06	27-Aug-09	4	ST	1	-	12:51	2009-CLRU-PCSA06-08	M-CLRU	18.5	M	SA	102	60	22	16	-	-	-
PC-184	PCSA-06	27-Aug-09	7	ST	1	SPR	12:53	-	-	-	-	-	-	-	-	-	-	-	-
PC-185	PCSA-06	27-Aug-09	10	ST	1	SPR	12:56	-	-	-	-	-	-	-	-	-	-	-	-

Small Mammal Sample Identification Numbers

Putt Creek Study Area Lab Composite

Maxxam Composite ID	Reported Composite ID	Maxxam Sample	YZC Sample
S15434	2009-CLRU-PCSA KIDNEY COMP 1	R32738	2009-CLRU-PCSA01-26
		R32743	2009-CLRU-PCSA01-31
		R32783	2009-CLRU-PCSA03-10
		R32786	2009-CLRU-PCSA03-13
		R32831	2009-CLRU-PCSA03-18
		R32867	2009-CLRU-PCSA06-08
S15442	2009-CLRU-PCSA KIDNEY COMP 2	R32778	2009-CLRU-PCSA03-05
		R32779	2009-CLRU-PCSA03-06
		R32780	2009-CLRU-PCSA03-07
		R32782	2009-CLRU-PCSA03-09
		R32830	2009-CLRU-PCSA03-17
		R32832	2009-CLRU-PCSA03-19
S15458	2009-CLRU-PCSA LIVER COMP 1	R32831	2009-CLRU-PCSA03-18
S15477	2009-CLRU-PCSA LIVER COMP 2	R32783	2009-CLRU-PCSA03-10
S15482	2009-CLRU-PCSA LIVER COMP 3	R32786	2009-CLRU-PCSA03-13
		R32832	2009-CLRU-PCSA03-19
S15483	2009-CLRU-PCSA LIVER COMP 4	R32743	2009-CLRU-PCSA01-31
		R32780	2009-CLRU-PCSA03-07
S15484	2009-CLRU-PCSA LIVER COMP 5	R32738	2009-CLRU-PCSA01-26
		R32867	2009-CLRU-PCSA06-08
S15485	2009-CLRU-PCSA LIVER COMP 6	R32777	2009-CLRU-PCSA03-04
		R32830	2009-CLRU-PCSA03-17
S15486	2009-CLRU-PCSA LIVER COMP 7	R32782	2009-CLRU-PCSA03-09
		R32829	2009-CLRU-PCSA03-16
S15487	2009-CLRU-PCSA LIVER COMP 8	R32778	2009-CLRU-PCSA03-05
S15491	2009-CLRU-PCSA LIVER COMP 9	R32779	2009-CLRU-PCSA03-06
S15512	2009-CLRU-PCSA MUSCLE COMP 1	R32783	2009-CLRU-PCSA03-10
		R32831	2009-CLRU-PCSA03-18
S15520	2009-CLRU-PCSA MUSCLE COMP 1	R32743	2009-CLRU-PCSA01-31
		R32786	2009-CLRU-PCSA03-13
S15521	2009-CLRU-PCSA MUSCLE COMP 1	R32830	2009-CLRU-PCSA03-17
		R32832	2009-CLRU-PCSA03-19
		R32867	2009-CLRU-PCSA06-08
S15523	2009-CLRU-PCSA MUSCLE COMP 1	R32778	2009-CLRU-PCSA03-05
		R32782	2009-CLRU-PCSA03-09
S15524	2009-CLRU-PCSA MUSCLE COMP 1	R32779	2009-CLRU-PCSA03-06
		R32780	2009-CLRU-PCSA03-07
S15525	2009-CLRU-PCSA MUSCLE COMP 1	R32738	2009-CLRU-PCSA01-26
		R32777	2009-CLRU-PCSA03-04
S15532	2009-CLRU-PCSA MUSCLE COMP 1	R32731	2009-CLRU-PCSA01-19
		R32776	2009-CLRU-PCSA03-03
		R32829	2009-CLRU-PCSA03-16
S15552	2009-LESI-PCSA KIDNEY COMP 1	R32833	2009-LESI-PCSA03-20
S15553	2009-LESI-PCSA KIDNEY COMP 2	R32702	2009-LESI-PCSA01-04
S15555	2009-LESI-PCSA KIDNEY COMP 3	R32744	2009-LESI-PCSA01-32
S15558	2009-LESI-PCSA LIVER COMP 1	R32833	2009-LESI-PCSA03-20
S15559	2009-LESI-PCSA LIVER COMP 2	R32702	2009-LESI-PCSA01-04
S15564	2009-LESI-PCSA LIVER COMP 3	R32744	2009-LESI-PCSA01-32
S15565	2009-LESI-PCSA MUSCLE COMP 1	R32833	2009-LESI-PCSA03-20

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Maxxam Composite ID	Reported Composite ID	Maxxam Sample	YZC Sample
S15567	2009-LESI-PCSA MUSCLE COMP 2	R32702	2009-LESI-PCSA01-04
S15568	2009-LESI-PCSA MUSCLE COMP 3	R32744	2009-LESI-PCSA01-32
S15577	2009-MIPE-PCSA KIDNEY COMP 1	R32733	2009-MIPE-PCSA01-21
		R32785	2009-MIPE-PCSA03-12
		R32861	2009-MIPE-PCSA06-02
		R32862	2009-MIPE-PCSA06-03
S15578	2009-MIPE-PCSA KIDNEY COMP 2	R32701	2009-MIPE-PCSA01-03
		R32703	2009-MIPE-PCSA01-05
		R32745	2009-MIPE-PCSA02-01
S15580	2009-MIPE-PCSA KIDNEY COMP 3	R32707	2009-MIPE-PCSA01-09
		R32736	2009-MIPE-PCSA01-24
		R32784	2009-MIPE-PCSA03-11
S15581	2009-MIPE-PCSA LIVER COMP 1	R32733	2009-MIPE-PCSA01-21
S15582	2009-MIPE-PCSA LIVER COMP 2	R32862	2009-MIPE-PCSA06-03
S15583	2009-MIPE-PCSA LIVER COMP 3	R32701	2009-MIPE-PCSA01-03
		R32861	2009-MIPE-PCSA06-02
S15584	2009-MIPE-PCSA MUSCLE COMP 1	R32733	2009-MIPE-PCSA01-21
		R32785	2009-MIPE-PCSA03-12
		R32862	2009-MIPE-PCSA06-03
S15585	2009-MIPE-PCSA MUSCLE COMP 2	R32701	2009-MIPE-PCSA01-03
		R32861	2009-MIPE-PCSA06-02
S15589	2009-MIPE-PCSA MUSCLE COMP 3	R32703	2009-MIPE-PCSA01-05
S15710	2009-MILO-PCSA KIDNEY COMP 1	R32706	2009-MILO-PCSA01-08
		R32726	2009-MILO-PCSA01-14
		R32742	2009-MILO-PCSA01-30
S15711	2009-MILO-PCSA KIDNEY COMP 2	R32705	2009-MILO-PCSA01-07
S15712	2009-MILO-PCSA KIDNEY COMP 3	R32735	2009-MILO-PCSA01-23
		R35696	2009-MILO-PCSA05-14
S15722	2009-MILO-PCSA LIVER COMP 1	R32726	2009-MILO-PCSA01-14
S15725	2009-MILO-PCSA LIVER COMP 2	R32742	2009-MILO-PCSA01-30
S15726	2009-MILO-PCSA LIVER COMP 3	R32706	2009-MILO-PCSA01-07
S15727	2009-MILO-PCSA MUSCLE COMP 1	R32742	2009-MILO-PCSA01-30
S15728	2009-MILO-PCSA MUSCLE COMP 2	R32726	2009-MILO-PCSA01-14
S15729	2009-MILO-PCSA MUSCLE COMP 3	R32706	2009-MILO-PCSA01-08
S15743	2009-ZAHU-PCSA KIDNEY COMP 1	R32860	2009-ZAHU-PCSA06-01
S15749	2009-ZAHU-PCSA KIDNEY COMP 2	R32866	2009-ZAHU-PCSA06-07
S15755	2009-ZAHU-PCSA LIVER COMP 1	R32860	2009-ZAHU-PCSA06-01
S15756	2009-ZAHU-PCSA LIVER COMP 2	R32866	2009-ZAHU-PCSA06-07
S15758	2009-ZAHU-PCSA MUSCLE COMP 1	R32860	2009-ZAHU-PCSA06-01
S15759	2009-ZAHU-PCSA MUSCLE COMP 2	R32866	2009-ZAHU-PCSA06-07



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Maxxam Composite ID	Reported Composite ID	Maxxam	YZC Sample
S21174	2009-CLRU-MSSA KIDNEY COMP 1	R33353	2009-CLRU-MSSA04-02
		R33384	2009-CLRU-MSSA06-12
		R33392	2009-CLRU-MSSA04-18
		R33630	2009-CLRU-MSSA01-02
		R33634	2009-CLRU-MSSA01-10
S21175	2009-CLRU-MSSA KIDNEY COMP 2	R33330	2009-CLRU-MSSA01-20
		R33333	2009-CLRU-MSSA06-06
		R33356	2009-CLRU-MSSA06-18
		R33393	2009-CLRU-MSSA04-20
S21176	2009-CLRU-MSSA KIDNEY COMP 3	R33324	2009-CLRU-MSSA01-08
		R33332	2009-CLRU-MSSA06-02
		R33346	2009-CLRU-MSSA06-07
		R33659	2009-CLRU-MSSA01-37
S21177	2009-CLRU-MSSA KIDNEY COMP 4	R33387	2009-CLRU-MSSA06-16
		R33389	2009-CLRU-MSSA04-14
		R33390	2009-CLRU-MSSA04-15
		R33638	2009-CLRU-MSSA01-25
		R33639	2009-CLRU-MSSA01-27
		R33663	2009-CLRU-MSSA01-42
S21178	2009-CLRU-MSSA KIDNEY COMP 5	R33331	2009-CLRU-MSSA06-37
		R33347	2009-CLRU-MSSA06-08
		R33350	2009-CLRU-MSSA04-31
		R33351	2009-CLRU-MSSA04-40
		R33385	2009-CLRU-MSSA06-14
		R33386	2009-CLRU-MSSA06-15
S21179	2009-CLRU-MSSA KIDNEY COMP 6	R33348	2009-CLRU-MSSA06-09
		R33352	2009-CLRU-MSSA03-01
		r33658	2009-CLRU-MSSA01-31
		R33662	2009-CLRU-MSSA01-40
		R33665	2009-CLRU-MSSA01-44
		R33666	2009-CLRU-MSSA01-46
S21180	2009-CLRU-MSSA LIVER COMP 1	R33384	2009-CLRU-MSSA06-12
S21181	2009-CLRU-MSSA LIVER COMP 2	R33630	2009-CLRU-MSSA01-02
S21182	2009-CLRU-MSSA LIVER COMP 3	R33634	2009-CLRU-MSSA01-10
S21183	2009-CLRU-MSSA LIVER COMP 4	R33392	2009-CLRU-MSSA04-18
S21184	2009-CLRU-MSSA-LIVER COMP 5	R33353	2009-CLRU-MSSA04-02
S21185	2009-CLRU-MSSA LIVER COMP 6	R33393	2009-CLRU-MSSA04-20
S21186	2009-CLRU-MSSA LIVER COMP 7	R33330	2009-CLRU-MSSA01-20
		R33356	2009-CLRU-MSSA04-20
S21187	2009-CLRU-MSSA LIVER COMP 8	R33357	2009-CLRU-MSSA06-19
S21188	2009-CLRU-MSSA LIVER COMP 9	R33333	2009-CLRU-MSSA06-06
S21189	2009-CLRU-MSSA LIVER COMP 10	R33332	2009-CLRU-MSSA06-02
S21190	2009-CLRU-MSSA LIVER COMP 11	R33324	2009-CLRU-MSSA01-08
S21191	2009-CLRU-MSSA MUSCLE COMP 1	R33384	2009-CLRU-MSSA06-12
S21192	2009-CLRU-MSSA MUSCLE COMP 2	R33353	2009-CLRU-MSSA04-02
		R33392	2009-CLRU-MSSA04-18
		R33630	2009-CLRU-MSSA01-02
		R33634	2009-CLRU-MSSA01-10
S21193	2009-CLRU-MSSA MUSCLE COMP 3	R33393	2009-CLRU-MSSA04-20

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Maxxam Composite ID	Reported Composite ID	Maxxam	YZC Sample
S21194	2009-CLRU-MSSA MUSCLE COMP 4	R33330	2009-CLRU-MSSA01-20
		R33356	2009-CLRU-MSSA06-18
		R33357	2009-CLRU-MSSA06-19
S21195	2009-CLRU-MSSA MUSCLE COMP 5	R33333	2009-CLRU-MSSA06-06
S21196	2009-CLRU-MSSA MUSCLE COMP 6	R33332	2009-CLRU-MSSA06-02
S21197	2009-CLRU-MSSA MUSCLE COMP 7	R33324	2009-CLRU-MSSA01-08
		R33636	2009-CLRU-MSSA01-24
S21198	2009-CLRU-MSSA MUSCLE COMP 8	R33349	2009-CLRU-MSSA04-29
		R33659	2009-CLRU-MSSA01-37
S21199	2009-CLRU-MSSA MUSCLE COMP 9	R33346	2009-CLRU-MSSA06-07
		R33387	2009-CLRU-MSSA06-16
S21200	2009-CLRU-MSSA MUSCLE COMP 10	R33389	2009-CLRU-MSSA04-14
		R33390	2009-CLRU-MSSA04-15
S21201	2009-CLRU-MSSA MUSCLE COMP 11	R33638	2009-CLRU-MSSA01-25
		R33639	2009-CLRU-MSSA01-27
S21440	2009-MIPE-MSSA KIDNEY COMP 1	R33383	2009-CLRU-MSSA02-04
		R33391	2009-CLRU-MSSA04-17
		R33444	2009-CLRU-MSSA02-12
		R33633	2009-CLRU-MSSA01-07
S21441	2009-MIPE-MSSA KIDNEY COMP 2	R33355	2009-CLRU-MSSA04-10
		R33391	2009-CLRU-MSSA04-17
S21442	2009-MIPE-MSSA KIDNEY COMP 3	R33326	2009-CLRU-MSSA01-34
		R33660	2009-CLRU-MSSA01-38
S21443	2009-MIPE-MSSA KIDNEY COMP 4	R33325	2009-MIPE-MSSA01-09
		R33664	2009-CLRU-MSSA01-43
S21444	2009-MIPE-MSSA KIDNEY COMP 5	R33661	2009-CLRU-MSSA01-39
S21445	2009-MIPE-MSSA KIDNEY COMP 6	R33382	2009-CLRU-MSSA02-02
S21446	2009-MIPE-MSSA KIDNEY COMP 7	R33328	2009-CLRU-MSSA02-06
S21447	2009-MIPE-MSSA KIDNEY COMP 8	R33667	2009-CLRU-MSSA01-47
S21448	2009-MIPE-MSSA KIDNEY COMP 9	R33637	2009-CLRU-MSSA01-25
S21449	2009-MIPE-MSSA LIVER COMP 1	R33325	2009-MIPE-MSSA01-09
S21450	2009-MIPE-MSSA LIVER COMP 2	R33444	2009-CLRU-MSSA02-12
S21451	2009-MIPE-MSSA LIVER COMP 3	R33633	2009-CLRU-MSSA01-07
S21455	2009-MIPE-MSSA LIVER COMP 4	R33383	2009-CLRU-MSSA02-04
S21459	2009-MIPE-MSSA LIVER COMP 5	R33328	2009-CLRU-MSSA02-06
S21460	2009-MIPE-MSSA LIVER COMP 6	R33382	2009-CLRU-MSSA02-02
S21461	2009-MIPE-MSSA LIVER COMP 7	R33391	2009-CLRU-MSSA04-17
S21462	2009-MIPE-MSSA LIVER COMP 8	R33355	2009-MIPE-MSSA04-10
S21469	2009-MIPE-MSSA LIVER COMP 9	R33664	2009-CLRU-MSSA01-43
S21471	2009-MIPE-MSSA MUSCLE COMP 1	R33633	2009-CLRU-MSSA01-07
S21472	2009-MIPE-MSSA MUSCLE COMP 2	R33383	2009-CLRU-MSSA02-04
		R33444	2009-CLRU-MSSA02-12
S21473	2009-MIPE-MSSA MUSCLE COMP 3	R33355	2009-CLRU-MSSA04-10
		R33391	2009-CLRU-MSSA04-17
S21474	2009-MIPE-MSSA MUSCLE COMP 4	R33326	2009-CLRU-MSSA01-34
		R33664	2009-CLRU-MSSA01-43
S21475	2009-MIPE-MSSA MUSCLE COMP 5	R33382	2009-CLRU-MSSA02-02
		R33661	2009-CLRU-MSSA01-39
S21476	2009-MIPE-MSSA MUSCLE COMP 6	R33325	2009-MIPE-MSSA01-09

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Maxxam Composite ID	Reported Composite ID	Maxxam	YZC Sample
		R33328	2009-CLRU-MSSA02-06
S21478	2009-MIPE-MSSA MUSCLE COMP 7	R33667	2009-CLRU-MSSA01-47
S21479	2009-MIPE-MSSA MUSCLE COMP 8	R33637	2009-CLRU-MSSA01-25
S21480	2009-MIPE-MSSA MUSCLE COMP 9	R33660	2009-CLRU-MSSA01-38
S22837	2009-LESI-MSSA KIDNEY COMP 1	R33656	2009-LESI-MSSA01-29
S22838	2009-LESI-MSSA KIDNEY COMP 2	R33329	2009-LESI-MSSA01-15
S22839	2009-LESI-MSSA KIDNEY COMP 3	R33445	2009-LESI-MSSA05-03
S22840	2009-LESI-MSSA KIDNEY COMP 4	R34136	2009-LESI-MSSA04-01
S22841	2009-LESI-MSSA KIDNEY COMP 5	R34092	2009-LESI-MSSA02-14
S22842	2009-LESI-MSSA LIVER COMP 1	R33656	2009-LESI-MSSA01-29
S22843	2009-LESI-MSSA LIVER COMP 2	R33329	2009-LESI-MSSA01-15
S22844	2009-LESI-MSSA LIVER COMP 3	R33445	2009-LESI-MSSA05-03
S22845	2009-LESI-MSSA LIVER COMP 4	R34136	2009-LESI-MSSA04-01
S22846	2009-LESI-MSSA LIVER COMP 5	R34092	2009-LESI-MSSA02-14
S22847	2009-LESI-MSSA MUSCLE COMP 1	R33656	2009-LESI-MSSA01-29
S22848	2009-LESI-MSSA MUSCLE COMP 2	R33329	2009-LESI-MSSA01-15
S22849	2009-LESI-MSSA MUSCLE COMP 3	R33445	2009-LESI-MSSA05-03
S22850	2009-LESI-MSSA MUSCLE COMP 4	R34136	2009-LESI-MSSA04-01
S22851	2009-LESI-MSSA MUSCLE COMP 5	R34092	2009-LESI-MSSA02-14
S22853	2009-MILO-MSSA KIDNEY COMP 1	R33657	2009-MILO-MSSA01-30
S22854	2009-MILO-MSSA KIDNEY COMP 2	R34101	2009-MILO-MSSA01-21
S22855	2009-MILO-MSSA KIDNEY COMP 3	R34201	2009-MILO-MSSA04-25
S22856	2009-MILO-MSSA LIVER COMP 1	R33657	2009-MILO-MSSA01-30
S22857	2009-MILO-MSSA LIVER COMP 2	R33410	2009-MILO-MSSA01-21
S22858	2009-MILO-MSSA LIVER COMP 3	R34201	2009-MILO-MSSA04-25
S22859	2009-MILO-MSSA MUSCLE COMP 1	R33657	2009-MILO-MSSA01-30
S22860	2009-MILO-MSSA MUSCLE COMP 2	R33410	2009-MILO-MSSA01-21
S22861	2009-MILO-MSSA MUSCLE COMP 3	R34201	2009-MILO-MSSA04-25
R34146	2009-ZAHU-MSSA02-11-KIDNEY	R34146	2009-ZAHU-MSSA02-11
S22864	2009-ZAHU-MSSA LIVER 1	R34146	2009-ZAHU-MSSA02-11
S22865	2009-ZAHU-MSSA MUSCLE 1	R34146	2009-ZAHU-MSSA02-11

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Maxxam Composite ID	Reported Composite ID	Maxxam Sample	YZC Sample
S15754	2009-CLRU-MCRA KIDNEY COMP 1	R32893	2009-CLRU-MCRA04-45
		R32896	2009-CLRU-MCRA04-27
		R32991	2009-CLRU-MCRA04-91
		R32972	2009-CLRU-MCRA04-94
S17446	2009-CLRU-MCRA LIVER COMP 1	R32893	2009-CLRU-MCRA04-45
S17447	2009-CLRU-MCRA LIVER COMP 2	R33106	2009-CLRU-MCRA04-08
S15757	2009-CLRU-MCRA LIVER COMP 3	R32972	2009-CLRU-MCRA04-94
S15760	2009-CLRU-MCRA LIVER COMP 4	R32896	2009-CLRU-MCRA04-27
S15762	2009-CLRU-MCRA LIVER COMP 5	R32991	2009-CLRU-MCRA04-91
S17448	2009-CLRU-MCRA MUSCLE COMP 1	R32896	2009-CLRU-MCRA04-27
		R32972	2009-CLRU-MCRA04-94
S17449	2009-CLRU-MCRA MUSCLE COMP 2	R32991	2009-CLRU-MCRA04-91
S17450	2009-CLRU-MCRA MUSCLE COMP 3	R32893	2009-CLRU-MCRA04-45
		R33106	2009-CLRU-MCRA04-08
S17451	2009-CLRU-MCRA MUSCLE COMP 4	R32970	2009-CLRU-MCRA05-18
		R33037	2009-CLRU-MCRA04-125
		R33068	2009-CLRU-MCRA04-117
S17452	2009-MIPE-MCRA-KIDNEY COMP 1	R32993	2009-MIPE-MCRA04-137
		R33044	2009-MIPE-MCRA04-115
		R33165	2009-MIPE-MCRA04-48
S17463	2009-MIPE-MCRA-KIDNEY COMP 2	R32891	2009-MIPE-MCRA04-07
		R32983	2009-MIPE-MCRA04-63
		R32989	2009-MIPE-MCRA04-85
		R32992	2009-MIPE-MCRA04-136
S17464	2009-MIPE-MCRA-KIDNEY COMP 3	R32987	2009-MIPE-MCRA04-83
		R32988	2009-MIPE-MCRA04-84
		R33072	2009-MIPE-MCRA04-17
S17465	2009-MIPE-MCRA-KIDNEY COMP 4	R32984	2009-MIPE-MCRA04-64
		R33113	2009-MIPE-MCRA04-36
		R33164	2009-MIPE-MCRA04-47
S17466	2009-MIPE-MCRA-KIDNEY COMP 5	R32890	2009-MIPE-MCRA04-71
		R32892	2009-MIPE-MCRA05-37
		R32967	2009-MIPE-MCRA04-35
		R33035	2009-MIPE-MCRA04-122
S17468	2009-MIPE-MCRA-KIDNEY COMP 6	R32869	2009-MIPE-MCRA04-86
		R32985	2009-MIPE-MCRA04-80
		R33042	2009-MIPE-MCRA04-110
		R33162	2009-MIPE-MCRA04-42
S17469	2009-MIPE-MCRA-KIDNEY COMP 7	R33045	2009-MIPE-MCRA04-116
		R33105	2009-MIPE-MCRA04-06
		R33110	2009-MIPE-MCRA04-106
		R33160	2009-MIPE-MCRA05-39
		R33161	2009-MIPE-MCRA05-40
S17471	2009-MIPE-MCRA-KIDNEY COMP 8	R32868	2009-MIPE-MCRA04-51
		R32895	2009-MIPE-MCRA04-26
		R32888	2009-MIPE-MCRA04-21
		R33071	2009-MIPE-MCRA04-120
		R33109	2009-MIPE-MCRA04-104
S17473	2009-MIPE-MCRA-KIDNEY COMP 9	R33036	2009-MIPE-MCRA04-124

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Maxxam Composite ID	Reported Composite ID	Maxxam Sample	YZC Sample
		R33526	2009-MIPE-MCRA04-131
		R33548	2009-MIPE-MCRA04-119
S20445	2009-MIPE-MCRA-KIDNEY COMP 10	r33527	2009-MIPE-MCRA04-111
		R33529	2009-MIPE-MCRA04-114
		R33552	2009-MIPE-MCRA04-20
S20446	2009-MIPE-MCRA-KIDNEY COMP 11	R33262	2009-MIPE-MCRA04-76
		R33518	2009-MIPE-MCRA04-90
		R33522	2009-MIPE-MCRA04-141
S17477	2009-MIPE-MCRA-LIVER COMP 1	R33044	2009-MIPE-MCRA04-115
S17480	2009-MIPE-MCRA-LIVER COMP 2	R32992	2009-MIPE-MCRA04-136
S17481	2009-MIPE-MCRA-LIVER COMP 3	R32891	2009-MIPE-MCRA04-07
		R32993	2009-MIPE-MCRA04-137
S17482	2009-MIPE-MCRA-LIVER COMP 4	R33164	2009-MIPE-MCRA04-47
S17483	2009-MIPE-MCRA-LIVER COMP 5	R32989	2009-MIPE-MCRA04-85
S17484	2009-MIPE-MCRA-LIVER COMP 6	R32983	2009-MIPE-MCRA04-63
S17485	2009-MIPE-MCRA-LIVER COMP 7	R33113	2009-MIPE-MCRA04-36
S17486	2009-MIPE-MCRA-LIVER COMP 8	R32988	2009-MIPE-MCRA04-84
S17487	2009-MIPE-MCRA-LIVER COMP 9	R33072	2009-MIPE-MCRA04-17
S17488	2009-MIPE-MCRA-LIVER COMP 10	R32987	2009-MIPE-MCRA04-83
S17489	2009-MIPE-MCRA-LIVER COMP 11	R32895	2009-MIPE-MCRA04-26
S17490	2009-MIPE-MCRA-MUSCLE COMP 1	R33044	2009-MIPE-MCRA04-115
S17809	2009-MIPE-MCRA-MUSCLE COMP 2	R32891	2009-MIPE-MCRA04-07
		R32992	2009-MIPE-MCRA04-136
		R32993	2009-MIPE-MCRA04-137
S17811	2009-MIPE-MCRA-MUSCLE COMP 3	R32989	2009-MIPE-MCRA04-85
S17812	2009-MIPE-MCRA-MUSCLE COMP 4	R32988	2009-MIPE-MCRA04-84
S17813	2009-MIPE-MCRA-MUSCLE COMP 5	R32983	2009-MIPE-MCRA04-63
		R33072	2009-MIPE-MCRA04-17
S17814	2009-MIPE-MCRA-MUSCLE COMP 6	R32987	2009-MIPE-MCRA04-83
S17815	2009-MIPE-MCRA-MUSCLE COMP 7	R33113	2009-MIPE-MCRA04-36
S17816	2009-MIPE-MCRA-MUSCLE COMP 8	R32984	2009-MIPE-MCRA04-64
		R33164	2009-MIPE-MCRA04-47
S17817	2009-MIPE-MCRA-MUSCLE COMP 9	R32892	2009-MIPE-MCRA05-37
S17819	2009-MIPE-MCRA-MUSCLE COMP 10	R32890	2009-MIPE-MCRA04-71
		R33035	2009-MIPE-MCRA04-122
S17820	2009-MIPE-MCRA-MUSCLE COMP 11	R32869	2009-MIPE-MCRA04-86
		R32967	2009-MIPE-MCRA04-35
		R32985	2009-MIPE-MCRA04-80
S17867	2009-LESI-MCRA-KIDNEY COMP 1	R32982	2009-LESI-MCRA04-60
		R33158	2009-LESI-MCRA05-31
		R33159	2009-LESI-MCRA05-32
		R33163	2009-LESI-MCRA04-46
S17886	2009-LESI-MCRA-KIDNEY COMP 2	R32889	2009-LESI-MCRA04-68
		R32969	2009-LESI-MCRA05-16
		R32971	2009-LESI-MCRA05-22
S17893	2009-LESI-MCRA-KIDNEY COMP 3	R32990	2009-LESI-MCRA04-89
		R32077	2009-LESI-MCRA04-02
S17894	2009-LESI-MCRA-KIDNEY COMP 4	R32894	2009-LESI-MCRA05-29

Small Mammal Sample Identification Numbers

Money Creek Reference Area Lab Composite

Maxxam Composite ID	Reported Composite ID	Maxxam Sample	YZC Sample
		R32897	2009-LESI-MCRA04-28
		R32975	2009-LESI-MCRA04-57
		R33112	2009-LESI-MCRA05-35
S17895	2009-LESI-MCRA-KIDNEY COMP 5	R33034	2009-LESI-MCRA04-142
		R33043	2009-LESI-MCRA04-113
		R33075	2009-LESI-MCRA04-72
		R33107	2009-LESI-MCRA04-11
S17896	2009-LESI-MCRA-KIDNEY COMP 6	R32898	2009-LESI-MCRA04-29
		R32968	2009-LESI-MCRA05-01
		R32986	2009-LESI-MCRA04-81
		R33039	2009-LESI-MCRA04-127
		R33076	2009-LESI-MCRA04-01
		R33078	2009-LESI-MCRA04-03
S17897	2009-LESI-MCRA-KIDNEY COMP 7	R33157	2009-LESI-MCRA05-30
		R33040	2009-LESI-MCRA04-128
		R33166	2009-LESI-MCRA05-23
		R33167	2009-LESI-MCRA05-24
		R33168	2009-LESI-MCRA05-25
		R33264	2009-LESI-MCRA05-02
S21170	2009-LESI-MCRA-KIDNEY COMP 8	R33291	2009-LESI-MCRA05-21
		R33269	2009-LESI-MCRA05-08
		R33281	2009-LESI-MCRA05-09
		R33294	2009-LESI-MCRA04-95
S21171	2009-LESI-MCRA-KIDNEY COMP 9	R33295	2009-LESI-MCRA04-96
		R33298	2009-LESI-MCRA04-99
		R33301	2009-LESI-MCRA04-102
S21172	2009-LESI-MCRA-KIDNEY COMP 10	R33303	2009-LESI-MCRA04-133
		R33266	2009-LESI-MCRA05-04
		R33268	2009-LESI-MCRA05-07
		R33288	2009-LESI-MCRA05-17
S21173	2009-LESI-MCRA-KIDNEY COMP 11	R33293	2009-LESI-MCRA04-93
		R33265	2009-LESI-MCRA05-03
		R33289	2009-LESI-MCRA05-19
		R33300	2009-LESI-MCRA04-101
		R33549	2009-LESI-MCRA04-16
S17898	2009-LESI-MCRA-LIVER COMP 1	R33550	2009-LESI-MCRA04-19
		R33158	2009-LESI-MCRA05-31
		R33163	2009-LESI-MCRA04-46
		R32982	2009-LESI-MCRA04-60
		R33159	2009-LESI-MCRA05-32
		R32971	2009-LESI-MCRA05-22
		R32968	2009-LESI-MCRA05-01
		R33550	2009-LESI-MCRA04-19
		R32969	2009-LESI-MCRA05-16
		R32889	2009-LESI-MCRA04-68
		R32990	2009-LESI-MCRA04-89
		R33549	2009-LESI-MCRA04-16
S17912	2009-LESI-MCRA-MUSCLE COMP 1	R33158	2009-LESI-MCRA05-31



Small Mammal Sample Identification Numbers

Money Creek Reference Area Lab Composite

Maxxam Composite ID	Reported Composite ID	Maxxam Sample	YZC Sample
S17913	2009-LESI-MCRA-MUSCLE COMP 2	R32982	2009-LESI-MCRA04-60
S17914	2009-LESI-MCRA-MUSCLE COMP 3	R32971	2009-LESI-MCRA05-22
S17915	2009-LESI-MCRA-MUSCLE COMP 4	R33159	2009-LESI-MCRA05-32
S17916	2009-LESI-MCRA-MUSCLE COMP 5	R32969	2009-LESI-MCRA05-16
S17917	2009-LESI-MCRA-MUSCLE COMP 6	R32889	2009-LESI-MCRA04-68
S17918	2009-LESI-MCRA-MUSCLE COMP 7	R32990	2009-LESI-MCRA04-89
S17919	2009-LESI-MCRA-MUSCLE COMP 8	R33163	2009-LESI-MCRA04-46
S17920	2009-LESI-MCRA-MUSCLE COMP 9	R33077	2009-LESI-MCRA04-02
S17921	2009-LESI-MCRA-MUSCLE COMP 10	R32897	2009-LESI-MCRA04-28
S17922	2009-LESI-MCRA-MUSCLE COMP 11	R32894	2009-LESI-MCRA05-29
		R33079	2009-LESI-MCRA04-05

Small Mammal Sample Identification Numbers

Shrew Whole Body Lab

Study Area	Maxxam Sample	YZC Sample
Mine Site Study Area	R34162	2009-SOCI-MSSA02-05
	R34171	2009-SOCI-MSSA01-05
	R34172	2009-SOCI-MSSA01-32
	R34173	2009-SOCI-MSSA01-33
	R34183	2009-SOCI-MSSA01-41
	R34184	2009-SOCI-MSSA01-45
	R34185	2009-SOCI-MSSA05-07
	R34186	2009-SOCI-MSSA05-06
Money Creek Reference Area	R34187	2009-SOCI-MSSA02-07
	R32966	2009-SOCI-MCRA04-31
	R33322	2009-SOCI-MCRA04-135
	R32973	2009-SOCI-MCRA04-53
	R32974	2009-SOCI-MCRA04-54
	R33038	2009-SOCI-MCRA04-126
	R33041	2009-SOCI-MCRA04-132
	R33073	2009-SOCI-MCRA04-24
	R33074	2009-SOCI-MCRA04-66
	R33111	2009-SOCI-MCRA04-108
	R33115	2009-SOCI-MCRA05-39
	R33116	2009-SOCI-MCRA05-40
Putt Creek Study Area	R33259	2009-SOCI-MCRA04-36
	R32704	2009-SOCI-PCSA01-06
	R32727	2009-SOCI-PCSA01-15
	R32728	2009-SOCI-PCSA01-16
	R32746	2009-SOCI-PCSA02-02
	R32835	2009-SOCI-PCSA04-01
	R32836	2009-SOCI-PCSA04-02
	R32838	2009-SOCI-PCSA05-02
	R32839	2009-SOCI-PCSA05-03
	R32859	2009-SOCI-PCSA05-04
	R32864	2009-SOCI-PCSA06-05

Appendix F

Total Metals Levels in Small Mammals – Summary Data



Total Metals Levels in Small Mammals – Summary Data

Symbol	Study Area	Tissue Type	Species	Moisture	Total Metals by ICPMS																														
					Total Metals by ICPMS																														
					Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Ni	P	K	Se	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn
Unit				%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0.1	0.1	5	0.01	10	0.5	0.1	0.5	10	0.01	10	0.1	0.01	0.1	0.1	10	0.01	0.05	10	0.1	0.05	1	0.05	2	0.1
RDL				0.3	1	0.1	0.01	0.1	0.1	0.1	5	0.72	79	0.5	0.1	5.4	257	0.01	276	5.8	0.05	1.3	0.1	4200	3400	1.84	0.05	1210	0.1	0.05	0.1	1	0.05	2	32.4
2009-CLRU-MCRA-LIVER COMP 1	MCRA	LIVER	CLRU	-	1	0.1	0.01	0.1	0.1	0.1	5	0.33	84	0.5	0.1	5.7	150	0.01	312	5.3	0.04	1.3	0.1	4590	4000	2.1	0.05	1100	0.1	0.05	0.1	1	0.05	2	36.1
2009-CLRU-MCRA-LIVER COMP 2	MCRA	LIVER	CLRU	-	1	0.1	0.02	0.1	0.1	0.1	5	0.31	85	0.5	0.1	5.3	248	0.01	305	4.6	0.01	1.2	0.1	4480	3960	2.21	0.05	977	0.1	0.05	0.1	1	0.05	2	35.3
2009-CLRU-MCRA-LIVER COMP 3	MCRA	LIVER	CLRU	-	1	0.1	0.03	0.1	0.1	0.1	5	0.11	77	0.5	0.1	3.7	119	0.01	242	4.2	0.01	0.9	0.1	3530	3380	1.34	0.05	1190	0.1	0.05	0.1	1	0.05	2	28.7
2009-CLRU-MCRA-LIVER COMP 4	MCRA	LIVER	CLRU	-	1	0.1	0.01	0.1	0.1	0.1	5	0.15	101	0.5	0.1	4.6	236	0.02	253	4	0.03	1	0.1	3860	3670	1.52	0.05	1290	0.1	0.05	0.1	1	0.05	2	31.5
2009-CLRU-MCRA-MUSCLE COMP 1	MCRA	MUSCLE	CLRU	-	1	0.1	0.02	0.2	0.1	0.1	5	0.01	263	0.5	0.1	2.5	29	0.01	275	1.6	0.01	0.1	0.1	2530	3060	1.37	0.05	1030	0.1	0.05	0.1	1	0.05	2	11.9
2009-CLRU-MCRA-MUSCLE COMP 2	MCRA	MUSCLE	CLRU	-	1	0.1	0.02	0.8	0.1	0.1	5	0.01	946	0.5	0.1	2.2	31	0.01	313	1.5	0.01	0.1	0.1	3210	3910	0.42	0.05	970	0.5	0.05	0.1	1	0.05	2	14.7
2009-CLRU-MCRA-MUSCLE COMP 3	MCRA	MUSCLE	CLRU	-	1	0.1	0.05	0.3	0.1	0.1	5	0.01	493	0.5	0.1	2.4	30	0.01	315	1.1	0.01	0.1	0.1	2940	3780	0.51	0.05	1020	0.3	0.05	0.1	1	0.05	2	12.8
2009-CLRU-MCRA-MUSCLE COMP 4	MCRA	MUSCLE	CLRU	-	1	0.1	0.09	0.6	0.1	0.1	5	0.01	387	0.5	0.1	2.2	26	0.01	290	1.3	0.01	0.1	0.1	2790	3950	0.55	0.05	1050	0.3	0.05	0.1	1	0.05	2	13
2009-LESI-MCRA-KIDNEY COMP 1	MCRA	KIDNEY	LESI	-	1	0.1	0.01	0.4	0.1	0.1	5	1.24	183	0.5	0.1	4.2	68	0.01	226	2.8	0.06	0.4	0.1	3630	3140	1.05	0.05	1130	0.2	0.05	0.1	1	0.05	2	23.7
2009-LESI-MCRA-KIDNEY COMP 10	MCRA	KIDNEY	LESI	-	1	0.1	0.01	0.2	0.1	0.1	5	0.09	134	0.5	0.1	3.2	82	0.01	210	2.8	0.22	0.4	0.1	3460	3180	0.65	0.05	969	0.1	0.05	0.1	1	0.05	2	21
2009-LESI-MCRA-KIDNEY COMP 11	MCRA	KIDNEY	LESI	-	1	0.1	0.02	0.5	0.1	0.1	5	2.64	170	0.5	0.1	5.5	110	0.01	271	5.2	0.36	0.6	0.1	4320	4030	1.38	0.05	1250	0.2	0.05	0.1	1	0.05	2	30.1
2009-LESI-MCRA-KIDNEY COMP 2	MCRA	KIDNEY	LESI	-	1	0.1	0.01	0.2	0.1	0.1	5	3.01	118	0.5	0.1	4.4	85	0.01	232	2.5	0.55	0.7	0.1	3690	3390	1.26	0.05	1110	0.1	0.05	0.1	1	0.05	2	25.8
2009-LESI-MCRA-KIDNEY COMP 3	MCRA	KIDNEY	LESI	-	1	0.1	0.01	0.3	0.1	0.1	5	3.18	105	0.5	0.1	4.7	110	0.01	215	3	0.76	0.6	0.1	3490	3170	1.43	0.05	1020	0.1	0.05	0.1	1	0.05	2	25.1
2009-LESI-MCRA-KIDNEY COMP 4	MCRA	KIDNEY	LESI	-	1	0.1	0.02	0.4	0.1	0.1	5	0.53	160	0.5	0.1	4.8	104	0.01	249	5.4	0.38	0.6	0.1	3750	3420	1.19	0.05	1090	0.3	0.05	0.1	1	0.05	2	25.6
2009-LESI-MCRA-KIDNEY COMP 5	MCRA	KIDNEY	LESI	-	1	0.1	0.02	0.5	0.1	0.1	5	4	142	0.5	0.1	5.2	84	0.01	243	4	0.5	0.7	0.1	3910	3620	1.33	0.05	1160	0.2	0.05	0.1	1	0.05	2	29.9
2009-LESI-MCRA-KIDNEY COMP 6	MCRA	KIDNEY	LESI	-	1	0.1	0.02	0.9	0.1	0.1	5	0.1	253	0.5	0.1	4.3	85	0.01	214	5.6	0.24	0.5	0.1	3620	3620	0.76	0.05	1240	0.3	0.05	0.1	1	0.05	2	26.4
2009-LESI-MCRA-KIDNEY COMP 7	MCRA	KIDNEY	LESI	-	1	0.1	0.03	0.8	0.1	0.1	5	0.21	188	0.5	0.1	4.2	116	0.01	172	2.4	0.37	0.4	0.1	3710	3760	0.83	0.05	1180	0.2	0.05	0.1	1	0.05	2	25.8
2009-LESI-MCRA-KIDNEY COMP 8	MCRA	KIDNEY	LESI	-	1	0.1	0.01	0.5	0.1	0.1	5	0.22	91	0.5	0.1	3.9	92	0.01	188	3.4	0.35	0.5	0.1	3470	3230	0.87	0.05	1010	0.1	0.05	0.1	1	0.05	2	22.2
2009-LESI-MCRA-KIDNEY COMP 9	MCRA	KIDNEY	LESI	-	1	0.1	0.01	0.5	0.1	0.1	5	0.46	132	0.5	0.1	4.6	83	0.01	224	5.6	0.45	0.5	0.1	3870	3670	0.84	0.05	1120	0.2	0.05	0.1	1	0.05	2	23.8
2009-LESI-MCRA-LIVER COMP 1	MCRA	LIVER	LESI	73	1	0.1	0.01	0.2	0.1	0.1	5	0.14	87	0.5	0.1	3.2	172	0.01	256	4.6	0.01	0.4	0.1	3560	2920	0.53	0.05	1090	0.1	0.05	0.1	1	0.05	2	26.8
2009-LESI-MCRA-LIVER COMP 10	MCRA	LIVER	LESI	73	1	0.1	0.01	0.2	0.1	0.1	5	0.36	85	0.5	0.1	4.4	113	0.01	287	4.8	0.03	1	0.1	4110	3480	0.98	0.05	1010	0.1	0.05	0.1	1	0.05	2	33.1
2009-LESI-MCRA-LIVER COMP 11	MCRA	LIVER	LESI	73	1	0.1	0.02	0.2	0.1	0.1	5	0.5	92	0.5	0.1	5.1	275	0.01	254	5.4	0.06	1.3	0.1	3540	3280	0.99	0.05	986	0.1	0.05	0.1	1	0.05	2	32.7
2009-LESI-MCRA-LIVER COMP 2	MCRA	LIVER	LESI	73	1	0.1	0.01	0.2	0.1	0.1	5	0.48	81	0.5	0.1	5.1	122	0.01	274	5	0.01	1.1	0.1	4120	3090	1	0.05	1390	0.1	0.05	0.1	1	0.05	2	32.4
2009-LESI-MCRA-LIVER COMP 3	MCRA	LIVER	LESI	73	1	0.1	0.01	0.1	0.1	0.1	5	0.18	94	0.5	0.1	3.7	114	0.01	274	4.6	0.03	1	0.1	3930	3380	0.62	0.05	1160	0.1						

Note: Red italicized numbers indicate that the value reported by the lab is less than the reportable detection limit (RDL)



Total Metals Levels in Small Mammals – Summary Data

Symbol	Study Area	Tissue Type	Species	Moisture	Total Metals by ICPMS																															
					Total Metals by ICPMS																															
					Al	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Ni	P	K	Se	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn	
Unit				%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	0.1	0.1	5	0.19	193	0.5	0.1	4.1	62	0.01	217	7.7	0.02	0.4	0.1	3890	3720	0.7	0.05	1120	0.5	0.05	0.1	0.05	2	22.8
RDL				0.3	1	0.1	0.01	0.1	0.1	0.1	5	0.01	10	0.5	0.1	0.5	10	0.01	10	0.1	0.01	0.1	0.1	0.1	10	0.01	0.05	10	0.1	0.05	0.1	0.05	2	0.1		
2009-MIPE-MCRA-KIDNEY COMP 7	MCRA	KIDNEY	MIPE	75	1	0.1	0.03	2	0.1	0.1	5	0.19	193	0.5	0.1	4.1	62	0.01	217	7.7	0.02	0.4	0.1	3890	3720	0.7	0.05	1120	0.5	0.05	0.1	0.05	2	22.8		
2009-MIPE-MCRA-KIDNEY COMP 8	MCRA	KIDNEY	MIPE	75	1	0.1	0.01	1.5	0.1	0.1	5	0.23	194	0.5	0.1	4.1	53	0.01	216	11	0.02	0.5	0.1	3390	3390	0.85	0.05	983	0.4	0.05	0.1	1	0.05	2	21.2	
2009-MIPE-MCRA-KIDNEY COMP 9	MCRA	KIDNEY	MIPE	75	1	0.1	0.01	0.7	0.1	0.1	5	0.69	178	0.5	0.1	4.6	61	0.01	244	5.4	0.02	0.5	0.1	3790	3740	0.94	0.05	1110	0.3	0.05	0.1	1	0.05	2	22.9	
2009-MIPE-MCRA-LIVER COMP 1	MCRA	LIVER	MIPE	73	1	0.1	0.02	0.4	0.1	0.1	5	0.33	149	0.5	0.1	5.1	145	0.01	310	7	0.01	1.2	0.1	4620	3920	1.25	0.05	1180	0.2	0.05	0.1	1	0.05	2	34.6	
2009-MIPE-MCRA-LIVER COMP 10	MCRA	LIVER	MIPE	73	1	0.1	0.03	0.5	0.1	0.1	5	0.14	159	0.5	0.1	3.7	180	0.01	250	6.8	0.01	1.1	0.1	3740	3320	0.83	0.05	1150	0.2	0.05	0.1	1	0.05	2	27.4	
2009-MIPE-MCRA-LIVER COMP 11	MCRA	LIVER	MIPE	73	1	0.1	0.04	0.6	0.1	0.1	5	0.23	174	0.5	0.1	3.7	149	0.01	246	7.2	0.01	1.1	0.1	3830	3380	0.88	0.05	1100	0.3	0.05	0.1	1	0.05	2	27.8	
2009-MIPE-MCRA-LIVER COMP 2	MCRA	LIVER	MIPE	73	1	0.1	0.01	0.6	0.1	0.1	5	0.08	165	0.5	0.1	3.5	118	0.01	248	6.5	0.01	0.8	0.1	3680	3170	0.59	0.05	1090	0.3	0.05	0.1	1	0.05	2	26.6	
2009-MIPE-MCRA-LIVER COMP 3	MCRA	LIVER	MIPE	73	1	0.1	0.01	0.5	0.1	0.1	5	0.14	118	0.5	0.1	3.3	145	0.01	241	4.9	0.01	0.7	0.1	3530	3100	0.8	0.05	1080	0.2	0.05	0.1	1	0.05	2	25.7	
2009-MIPE-MCRA-LIVER COMP 4	MCRA	LIVER	MIPE	73	1	0.1	0.02	0.7	0.1	0.1	5	0.25	161	0.5	0.1	3.6	109	0.01	248	5.2	0.01	0.7	0.1	3710	3230	1.26	0.05	1190	0.2	0.05	0.1	1	0.05	2	28.9	
2009-MIPE-MCRA-LIVER COMP 5	MCRA	LIVER	MIPE	73	1	0.1	0.05	0.2	0.1	0.1	5	0.54	122	0.5	0.1	4.8	185	0.01	287	5	0.01	1.3	0.1	4500	3790	2.56	0.05	1210	0.1	0.05	0.1	1	0.05	2	33.9	
2009-MIPE-MCRA-LIVER COMP 6	MCRA	LIVER	MIPE	73	1	0.1	0.03	0.6	0.1	0.1	5	0.27	144	0.5	0.1	4.5	178	0.01	287	5	0.01	1.1	0.1	4370	3830	1.81	0.05	1280	0.2	0.05	0.1	1	0.05	2	33.6	
2009-MIPE-MCRA-LIVER COMP 7	MCRA	LIVER	MIPE	73	1	0.1	0.08	0.5	0.1	0.1	5	0.24	115	0.5	0.1	5	203	0.01	306	4.9	0.01	1.4	0.1	4690	3950	0.78	0.05	1270	0.2	0.05	0.1	1	0.05	2	34.9	
2009-MIPE-MCRA-LIVER COMP 8	MCRA	LIVER	MIPE	73	1	0.1	0.08	0.6	0.1	0.1	5	0.14	84	0.5	0.1	3	168	0.01	249	3.8	0.01	0.8	0.1	4010	3240	0.51	0.05	963	0.2	0.05	0.1	1	0.05	2	25.9	
2009-MIPE-MCRA-LIVER COMP 9	MCRA	LIVER	MIPE	73	1	0.1	0.01	0.5	0.1	0.1	5	0.19	137	0.5	0.1	4.6	181	0.01	247	3.4	0.01	0.9	0.1	4050	3220	1.26	0.05	1270	0.2	0.05	0.1	1	0.05	2	34.2	
2009-MIPE-MCRA-MUSCLE COMP 1	MCRA	MUSCLE	MIPE	76	1	0.1	0.01	0.8	0.1	0.1	5	0.01	372	0.5	0.1	2.6	25	0.01	225	4.2	0.01	0.1	0.3	2340	3220	0.28	0.05	831	0.4	0.05	0.1	1	0.05	2	11.9	
2009-MIPE-MCRA-MUSCLE COMP 10	MCRA	MUSCLE	MIPE	76	1	0.1	0.02	1.1	0.1	0.1	5	0.01	461	0.5	0.1	2.2	25	0.01	257	6.7	0.01	0.1	0.1	2540	3540	0.2	0.05	1030	0.6	0.05	0.1	1	0.05	2	14.3	
2009-MIPE-MCRA-MUSCLE COMP 11	MCRA	MUSCLE	MIPE	76	1	0.1	0.01	0.9	0.1	0.1	5	0.01	402	0.5	0.1	2	26	0.01	197	4.3	0.01	0.1	0.1	2280	3120	0.19	0.05	944	0.5	0.05	0.1	1	0.05	2	11.7	
2009-MIPE-MCRA-MUSCLE COMP 2	MCRA	MUSCLE	MIPE	76	1	0.1	0.01	1.6	0.1	0.1	5	0.01	708	0.5	0.1	2	26	0.01	273	4.2	0.01	0.1	0.1	2680	3200	0.27	0.05	1140	0.6	0.05	0.1	1	0.05	2	13.3	
2009-MIPE-MCRA-MUSCLE COMP 3	MCRA	MUSCLE	MIPE	76	1	0.1	0.07	0.6	0.1	0.1	5	0.01	582	0.5	0.1	2.2	32	0.02	285	2.6	0.01	0.1	0.1	2860	4100	0.65	0.05	1010	0.4	0.05	0.1	1	0.05	2	14.7	
2009-MIPE-MCRA-MUSCLE COMP 4	MCRA	MUSCLE	MIPE	76	1	0.1	0.1	0.1	0.1	0.1	5	0.01	10900	0.5	0.1	1.5	29	0.01	443	1.1	0.01	0.1	0.1	8010	3730	0.26	0.05	864	11.6	0.05	0.1	1	0.05	2	18.9	
2009-MIPE-MCRA-MUSCLE COMP 5	MCRA	MUSCLE	MIPE	76	1	0.1	0.01	0.5	0.1	0.1	5	0.01	433	0.5	0.1	2.5	45	0.01	274	1.7	0.01	0.1	0.1	2670	3110	0.42	0.05	1370	0.3	0.05	0.1	1	0.05	2	13.8	
2009-MIPE-MCRA-MUSCLE COMP 6	MCRA	MUSCLE	MIPE	76	1	0.1	0.04	0.4	0.1	0.1	5	0.01	250	0.5	0.1	1.9	30	0.01	234	3.4	0.01	0.1	0.1	2330	3480	0.25	0.05	950	0.3	0.05	0.1	1	0.05	2	15.1	
2009-MIPE-MCRA-MUSCLE COMP 7	MCRA	MUSCLE	MIPE	76	1	0.1	0.03	0.6	0.1	0.1	5	0.02	232	0.5	0.1	2.5	37	0.01	267	5.5	0.01	0.1	0.1	2520	3730	0.31	0.05	981	0.5	0.05	0.1	1	0.05	2	13.6	
2009-MIPE-MCRA-MUSCLE COMP 8	MCRA	MUSCLE	MIPE	76	1	0.1	0.03	0.9	0.1	0.1	5	0.01	284	0.5	0.1	2.7	33	0.01	263	4.9	0.01	0.1	0.2	2780												

Note: Red italicized numbers indicate that the value reported by the lab is less than the reportable detection limit (RDL)

Total Metals Levels in Small Mammals – Summary Data

Symbol	Study Area	Tissue Type	Species	Moisture	Total Metals by ICPMS																																																													
					Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium		Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Phosphorus		Potassium		Selenium		Silver		Sodium		Strontium		Thallium		Tin		Titanium		Uranium		Vanadium		Zinc	
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg																				
				%	0.3	1	0.1	0.01	0.3	0.1	0.1	5	0.66	149	0.5	0.1	4.4	261	0.02	276	4.6	0.06	1	0.1	4200	3410	1.79	0.17	1220	0.1	0.05	0.1	1	0.05	2	31.5																														
2009-CLRU-MSSA-LIVER COMP 6	MSSA	LIVER	CLRU	74	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.3	<i>0.1</i>	<i>0.1</i>	5	0.66	149	<i>0.5</i>	<i>0.1</i>	4.4	261	0.02	276	4.6	0.06	1	<i>0.1</i>	4200	3410	1.79	0.17	1220	0.1	0.05	0.1	1	0.05	2	31																															
2009-CLRU-MSSA-LIVER COMP 7	MSSA	LIVER	CLRU	74	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.3	<i>0.1</i>	<i>0.1</i>	5	0.38	78	<i>0.5</i>	<i>0.1</i>	4.7	410	0.05	241	5.2	0.08	1.4	<i>0.1</i>	3820	3080	1.01	<i>0.05</i>	1090	<i>0.1</i>	0.05	0.1	1	0.05	2	34.4																															
2009-CLRU-MSSA-LIVER COMP 8	MSSA	LIVER	CLRU	74	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.4	<i>0.1</i>	<i>0.1</i>	5	0.29	158	<i>0.5</i>	<i>0.1</i>	5	127	0.02	279	5.4	0.1	1.3	<i>0.1</i>	4150	3430	1.03	<i>0.05</i>	1100	0.1	0.05	0.1	1	0.05	2	28.2																															
2009-CLRU-MSSA-LIVER COMP 9	MSSA	LIVER	CLRU	74	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.6	<i>0.1</i>	<i>0.1</i>	5	0.25	138	<i>0.5</i>	<i>0.1</i>	3.6	106	0.02	247	5.4	0.09	1.3	<i>0.1</i>	3860	3300	0.98	<i>0.05</i>	1150	<i>0.1</i>	0.05	0.1	1	0.05	2	16																															
2009-CLRU-MSSA-MUSCLE COMP 1	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	1.6	<i>0.1</i>	<i>0.1</i>	5	0.02	509	<i>0.5</i>	<i>0.1</i>	2.4	307	<i>0.01</i>	341	3.6	0.07	<i>0.1</i>	<i>0.1</i>	3240	3780	0.62	<i>0.05</i>	1270	0.4	0.05	0.1	1	0.05	2	12.5																															
2009-CLRU-MSSA-MUSCLE COMP 10	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	1	<i>0.1</i>	<i>0.1</i>	5	0.07	421	<i>0.5</i>	<i>0.1</i>	2.4	27	<i>0.01</i>	241	4.9	0.02	<i>0.1</i>	0.1	2530	3120	0.35	<i>0.05</i>	1050	0.3	0.05	0.1	1	0.05	2	13.2																															
2009-CLRU-MSSA-MUSCLE COMP 11	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	1	<i>0.1</i>	<i>0.1</i>	5	0.02	578	<i>0.5</i>	<i>0.1</i>	2.3	26	<i>0.01</i>	247	4.3	0.02	<i>0.1</i>	0.1	2710	3270	0.19	<i>0.05</i>	1310	0.3	0.05	0.1	1	0.05	2	17.6																															
2009-CLRU-MSSA-MUSCLE COMP 2	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	3.2	<i>0.1</i>	<i>0.1</i>	5	0.03	2120	<i>0.5</i>	<i>0.1</i>	3.1	36	<i>0.01</i>	405	4.1	0.02	<i>0.1</i>	<i>0.1</i>	4750	4870	0.61	<i>0.05</i>	1360	1	0.05	0.1	1	0.05	2	12.3																															
2009-CLRU-MSSA-MUSCLE COMP 3	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.6	<i>0.1</i>	<i>0.1</i>	5	0.03	289	<i>0.5</i>	<i>0.1</i>	2.3	34	<i>0.01</i>	262	3.8	0.02	<i>0.1</i>	<i>0.1</i>	2660	3560	0.83	<i>0.05</i>	1150	0.3	0.05	0.1	1	0.05	2	13.1																															
2009-CLRU-MSSA-MUSCLE COMP 4	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.6	<i>0.1</i>	<i>0.1</i>	5	0.01	248	<i>0.5</i>	<i>0.1</i>	10.3	44	<i>0.01</i>	273	4.3	0.03	<i>0.1</i>	1.9	2790	3650	0.39	<i>0.05</i>	1230	0.2	0.05	0.1	1	0.05	2	14.8																															
2009-CLRU-MSSA-MUSCLE COMP 5	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.02</i>	1.7	<i>0.1</i>	<i>0.1</i>	5	0.02	621	<i>0.5</i>	<i>0.1</i>	2.7	30	<i>0.01</i>	296	5.4	0.04	<i>0.1</i>	<i>0.1</i>	3100	3780	0.42	<i>0.05</i>	1270	0.3	0.05	0.1	1	0.05	2	13.6																															
2009-CLRU-MSSA-MUSCLE COMP 6	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.9	<i>0.1</i>	<i>0.1</i>	5	0.01	383	<i>0.5</i>	<i>0.1</i>	2.5	38	<i>0.01</i>	247	4.1	0.02	<i>0.1</i>	<i>0.1</i>	2910	3570	0.34	<i>0.05</i>	1220	0.3	0.05	0.1	1	0.05	2	11.2																															
2009-CLRU-MSSA-MUSCLE COMP 7	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.5	<i>0.1</i>	<i>0.1</i>	5	0.02	384	<i>0.5</i>	<i>0.1</i>	2.5	30	<i>0.01</i>	244	3.8	0.02	<i>0.1</i>	<i>0.1</i>	2740	3540	0.17	<i>0.05</i>	1050	0.2	0.05	0.1	1	0.05	2	13.3																															
2009-CLRU-MSSA-MUSCLE COMP 8	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.8	<i>0.1</i>	<i>0.1</i>	5	0.01	500	<i>0.5</i>	<i>0.1</i>	2.9	33	<i>0.01</i>	286	6.4	0.03	<i>0.1</i>	0.2	3340	4030	0.31	<i>0.05</i>	1500	0.3	0.05	0.1	1	0.05	2	16.1																															
2009-CLRU-MSSA-MUSCLE COMP 9	MSSA	MUSCLE	CLRU	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	3.6	<i>0.1</i>	<i>0.1</i>	5	<i>0.01</i>	1380	<i>0.5</i>	<i>0.1</i>	2.6	32	<i>0.01</i>	275	2.9	0.03	<i>0</i>																																												

Total Metals Levels in Small Mammals – Summary Data

Symbol	Study Area	Tissue Type	Species	Moisture	Total Metals by ICPMS																																																													
					Aluminum		Antimony		Arsenic		Barium		Beryllium		Bismuth		Boron		Cadmium		Calcium		Chromium		Cobalt		Copper		Iron		Lead		Magnesium		Manganese		Mercury		Molybdenum		Nickel		Phosphorus		Potassium		Selenium		Silver		Sodium		Strontium		Thallium		Tin		Titanium		Uranium		Vanadium		Zinc	
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg																						
				%	0.3	1	0.1	0.01	0.3	0.1	0.1	5	0.18	87	0.5	0.1	4.7	251	0.01	252	6.2	0.09	1.1	0.1	4110	3490	0.53	0.05	1240	0.1	0.05	0.1	1	0.05	2	25.6																														
2009-MIPE-MSSA-LIVER COMP 3	MSSA	LIVER	MIPE	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.3	<i>0.1</i>	<i>0.1</i>	5	0.18	87	<i>0.5</i>	<i>0.1</i>	4.7	251	<i>0.01</i>	252	6.2	0.09	1.1	<i>0.1</i>	3460	3170	0.81	<i>0.05</i>	1010	<i>0.1</i>	<i>0.05</i>	0.1	1	<i>0.05</i>	2	25.3																															
2009-MIPE-MSSA-LIVER COMP 4	MSSA	LIVER	MIPE	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.1	<i>0.1</i>	<i>0.1</i>	5	0.24	83	<i>0.5</i>	<i>0.1</i>	3.8	178	<i>0.01</i>	227	2.4	<i>0.01</i>	0.8	<i>0.1</i>	3490	3330	0.89	<i>0.05</i>	1150	0.1	<i>0.05</i>	0.1	1	<i>0.05</i>	2	23.8																															
2009-MIPE-MSSA-LIVER COMP 5	MSSA	LIVER	MIPE	73	<i>1</i>	<i>0.1</i>	0.02	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	5	4.46	94	<i>0.5</i>	<i>0.1</i>	3	189	<i>0.01</i>	237	2.6	<i>0.01</i>	0.8	<i>0.1</i>	3340	2990	0.85	<i>0.05</i>	1080	<i>0.1</i>	<i>0.05</i>	0.1	1	<i>0.05</i>	2	21.7																															
2009-MIPE-MSSA-LIVER COMP 6	MSSA	LIVER	MIPE	73	<i>1</i>	<i>0.1</i>	0.02	<i>0.1</i>	<i>0.1</i>	<i>0.1</i>	5	3.99	145	<i>0.5</i>	<i>0.1</i>	2.8	160	<i>0.01</i>	261	2.5	<i>0.01</i>	0.8	<i>0.1</i>	4140	3580	1.43	<i>0.05</i>	1240	0.2	<i>0.05</i>	0.1	1	<i>0.05</i>	2	26.6																															
2009-MIPE-MSSA-LIVER COMP 7	MSSA	LIVER	MIPE	73	<i>1</i>	<i>0.1</i>	0.02	0.1	<i>0.1</i>	<i>0.1</i>	5	3.74	147	<i>0.5</i>	<i>0.1</i>	3.5	165	<i>0.01</i>	275	3.3	<i>0.01</i>	1	<i>0.1</i>	3470	2960	0.62	<i>0.05</i>	974	0.2	<i>0.05</i>	0.1	1	<i>0.05</i>	2	23.4																															
2009-MIPE-MSSA-LIVER COMP 8	MSSA	LIVER	MIPE	73	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.2	<i>0.1</i>	<i>0.1</i>	5	0.43	123	<i>0.5</i>	<i>0.1</i>	3.6	192	<i>0.01</i>	223	8.6	<i>0.01</i>	0.3	<i>0.1</i>	3760	3160	1.03	<i>0.05</i>	1070	0.4	<i>0.05</i>	0.1	1	<i>0.05</i>	2	25.4																															
2009-MIPE-MSSA-MUSCLE COMP 1	MSSA	MUSCLE	MIPE	75	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.4	<i>0.1</i>	<i>0.1</i>	5	0.01	319	<i>0.5</i>	<i>0.1</i>	2.3	35	<i>0.01</i>	301	1.6	0.01	<i>0.1</i>	<i>0.1</i>	2840	3630	0.33	<i>0.05</i>	1060	0.3	<i>0.05</i>	0.1	1	<i>0.05</i>	2	12.5																															
2009-MIPE-MSSA-MUSCLE COMP 2	MSSA	MUSCLE	MIPE	75	<i>1</i>	<i>0.1</i>	0.02	0.6	<i>0.1</i>	<i>0.1</i>	5	0.02	506	<i>0.5</i>	<i>0.1</i>	2.2	36	<i>0.01</i>	264	0.4	<i>0.01</i>	<i>0.1</i>	<i>0.1</i>	2740	3310	0.35	<i>0.05</i>	1080	0.4	<i>0.05</i>	0.1	1	<i>0.05</i>	2	12.6																															
2009-MIPE-MSSA-MUSCLE COMP 3	MSSA	MUSCLE	MIPE	75	<i>1</i>	<i>0.1</i>	0.02	0.5	<i>0.1</i>	<i>0.1</i>	5	0.06	405	<i>0.5</i>	<i>0.1</i>	2.2	33	<i>0.01</i>	302	2.4	<i>0.01</i>	<i>0.1</i>	0.2	2900	4180	0.77	<i>0.05</i>	1160	0.5	<i>0.05</i>	0.1	1	<i>0.05</i>	2	14.9																															
2009-MIPE-MSSA-MUSCLE COMP 4	MSSA	MUSCLE	MIPE	75	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.5	<i>0.1</i>	<i>0.1</i>	5	<i>0.01</i>	156	<i>0.5</i>	<i>0.1</i>	1.5	20	<i>0.01</i>	180	13.8	<i>0.01</i>	<i>0.1</i>	0.2	1780	2800	0.06	<i>0.05</i>	705	0.4	<i>0.05</i>	0.1	1	<i>0.05</i>	2	10.5																															
2009-MIPE-MSSA-MUSCLE COMP 5	MSSA	MUSCLE	MIPE	75	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.6	<i>0.1</i>	<i>0.1</i>	5	0.01	268	<i>0.5</i>	<i>0.1</i>	1.7	26	<i>0.01</i>	192	11.6	<i>0.01</i>	<i>0.1</i>	0.1	2180	3270	0.16	<i>0.05</i>	814	0.3	<i>0.05</i>	0.1	1	<i>0.05</i>	2	10.6																															
2009-MIPE-MSSA-MUSCLE COMP 6	MSSA	MUSCLE	MIPE	75	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.5	<i>0.1</i>	<i>0.1</i>	5	0.02	306	<i>0.5</i>	<i>0.1</i>	2	21	<i>0.01</i>	210	2.3	<i>0.01</i>	<i>0.1</i>	<i>0.1</i>	1920	2680	0.13	<i>0.05</i>	924	0.5	<i>0.05</i>	0.1	1	<i>0.05</i>	2	10.8																															
2009-MIPE-MSSA-MUSCLE COMP 7	MSSA	MUSCLE	MIPE	75	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.8	<i>0.1</i>	<i>0.1</i>	5	<i>0.01</i>	300	<i>0.5</i>	<i>0.1</i>	1.6	20	<i>0.01</i>	172	8.8	<i>0.01</i>	<i>0.1</i>	0.2	1750	2240	0.03	<i>0.05</i>	981	0.5	<i>0.05</i>	0.1	1	<i>0.05</i>	2	9.4																															
2009-MIPE-MSSA-MUSCLE COMP 8	MSSA	MUSCLE	MIPE	75	2	<i>0.1</i>	<i>0.01</i>	0.8	<i>0.1</i>	<i>0.1</i>	5	0.01	390	<i>0.5</i>	<i>0.1</i>	1.8	22	<i>0.01</i>	142	3.3	0.03	<i>0.1</i>	0.1	2250	2770	0.19	<i>0.05</i>	978	0.2	<i>0.05</i>	0.1	1	<i>0.05</i>	2	11.8																															
2009-MIPE-MSSA-MUSCLE COMP 9	MSSA	MUSCLE	MIPE	75	<i>1</i>	<i>0.1</i>	<i>0.01</i>	0.																																																										



Total Metals Levels in Small Mammals – Summary Data

Symbol	Study Area	Tissue Type	Species	Moisture	Total Metals by ICPMS																														
					Aluminum Antimony Arsenic Barium Beryllium Bismuth Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silver Sodium Strontium Thallium Tin Titanium Uranium Vanadium Zinc																														
					AL	Sb	As	Ba	Be	Bi	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Hg	Mo	Ni	P	K	Se	Ag	Na	Sr	Tl	Sn	Ti	U	V	Zn
Unit				%	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
RDL				0.3	1	0.1	0.02	0.7	0.1	0.1	5	0.64	148	0.5	0.1	4.4	113	0.02	204	6.8	0.13	0.2	0.1	3810	3340	0.7	0.05	1330	0.2	0.05	0.1	1	0.05	2	23.9
2009-MIPE-PCSA-KIDNEY COMP 2	PCSA	KIDNEY	LESI	-	1	0.1	0.02	0.7	0.1	0.1	5	0.64	148	0.5	0.1	4.4	113	0.02	204	6.8	0.13	0.2	0.1	3810	3340	0.7	0.05	1330	0.2	0.05	0.1	1	0.05	2	23.9
2009-MIPE-PCSA-KIDNEY COMP 3	PCSA	KIDNEY	LESI	-	1	0.1	0.02	0.7	0.1	0.1	5	0.86	216	0.5	0.1	4	56	0.01	214	4.5	0.08	0.2	0.1	3610	3550	0.55	0.05	1020	0.5	0.05	0.1	1	0.05	2	22.1
2009-LESI-PCSA-LIVER COMP1	PCSA	LIVER	LESI	-	2	0.1	0.01	0.3	0.1	0.1	5	0.38	174	0.5	0.1	3.1	110	0.01	227	7.9	0.03	0.6	0.1	3190	3290	0.22	0.05	936	0.1	0.05	0.1	1	0.05	2	21.6
2009-LESI-PCSA-LIVER COMP2	PCSA	LIVER	LESI	-	1	0.1	0.01	0.3	0.1	0.1	5	0.16	374	0.5	0.1	3.2	146	0.01	202	4.6	0.04	0.7	0.1	2600	3160	0.42	0.05	826	0.2	0.05	0.1	1	0.05	2	20
2009-LESI-PCSA-LIVER COMP3	PCSA	LIVER	LESI	-	1	0.1	0.02	0.3	0.1	0.1	5	0.19	520	0.5	0.1	3	220	0.01	238	2.6	0.01	0.7	0.1	2730	3100	0.46	0.05	1070	0.4	0.05	0.1	1	0.05	2	19.4
2009-LESI-PCSA-MUSCLE COMP 1	PCSA	MUSCLE	LESI	-	12	0.1	0.01	0.7	0.1	0.1	5	0.02	733	0.5	0.1	2.5	49	0.01	265	2.9	0.01	0.1	0.1	2720	3490	0.12	0.05	803	0.3	0.05	0.1	1	0.05	2	12.5
2009-LESI-PCSA-MUSCLE COMP 2	PCSA	MUSCLE	LESI	-	1	0.1	0.01	0.3	0.1	0.1	5	0.01	414	0.5	0.1	2.2	32	0.01	242	2.1	0.02	0.1	0.1	2450	3520	0.23	0.05	861	0.2	0.05	0.1	1	0.05	2	12.2
2009-LESI-PCSA-MUSCLE COMP 3	PCSA	MUSCLE	LESI	-	1	0.1	0.01	0.2	0.1	0.1	5	0.01	272	0.5	0.1	2	32	0.01	250	0.7	0.01	0.1	0.1	2090	2950	0.17	0.05	1170	0.2	0.05	0.1	1	0.05	2	13.3
2009-MIPE-PCSA-KIDNEY COMP 1	PCSA	MUSCLE	LESI	-	1	0.1	0.01	0.7	0.1	0.1	5	0.13	222	0.5	0.1	3.6	86	0.01	216	4.4	0.1	0.3	0.1	3240	3070	0.64	0.05	994	0.7	0.05	0.1	1	0.05	2	19.3
2009-MILO-PCSA-KIDNEY COMP 1	PCSA	KIDNEY	MILO	-	1	0.1	0.01	0.3	0.1	0.1	5	2.17	169	0.5	0.1	5.3	78	0.01	250	2.6	0.15	0.3	0.1	4130	3560	0.93	0.05	1350	0.3	0.05	0.1	1	0.05	2	26.4
2009-MILO-PCSA-KIDNEY COMP 2	PCSA	KIDNEY	MILO	-	1	0.1	0.01	0.7	0.1	0.1	5	3.27	186	0.5	0.1	4.8	78	0.01	225	2.9	0.06	0.3	0.1	3730	3450	0.88	0.05	1210	0.4	0.05	0.1	1	0.05	2	24.8
2009-MILO-PCSA-KIDNEY COMP 3	PCSA	KIDNEY	MILO	-	1	0.1	0.01	0.7	0.1	0.1	5	0.67	308	0.5	0.1	3.9	65	0.01	228	3	0.03	0.1	0.1	3250	3170	0.67	0.05	948	0.7	0.05	0.1	1	0.05	2	19.8
2009-MILO-PCSA-LIVER COMP 1	PCSA	LIVER	MILO	-	1	0.1	0.01	0.1	0.1	0.1	5	0.42	98	0.5	0.1	4.7	131	0.01	295	3.9	0.03	1.2	0.1	4500	3660	1.28	0.05	1230	0.1	0.05	0.1	1	0.05	2	31.4
2009-MILO-PCSA-LIVER COMP 2	PCSA	LIVER	MILO	-	1	0.1	0.01	0.4	0.1	0.1	5	0.3	128	0.5	0.1	2.9	192	0.01	242	3.6	0.1	0.4	0.1	3960	3120	0.36	0.05	1220	0.2	0.05	0.1	1	0.05	2	27.7
2009-MILO-PCSA-LIVER COMP 3	PCSA	LIVER	MILO	-	1	0.1	0.01	0.3	0.1	0.1	5	1.03	215	0.5	0.1	3.3	162	0.01	247	2.6	0.1	0.4	0.1	3680	3070	0.45	0.05	1160	0.2	0.05	0.1	1	0.05	2	27.4
2009-MILO-PCSA-MUSCLE COMP 1	PCSA	MUSCLE	MILO	-	1	0.1	0.01	0.1	0.1	0.1	5	0.01	141	0.5	0.1	2.9	41	0.01	306	0.5	0.01	0.1	0.1	2970	3740	0.33	0.05	1110	0.1	0.05	0.1	1	0.05	2	11.7
2009-MILO-PCSA-MUSCLE COMP 2	PCSA	MUSCLE	MILO	-	1	0.1	0.01	0.5	0.1	0.1	5	0.02	313	0.5	0.1	2.6	41	0.01	296	2.8	0.01	0.1	0.1	2810	3580	0.23	0.05	1310	0.4	0.05	0.1	1	0.05	2	14.1
2009-MILO-PCSA-MUSCLE COMP 3	PCSA	MUSCLE	MILO	-	1	0.1	0.01	0.3	0.1	0.1	5	0.03	223	0.5	0.1	1.7	25	0.01	204	1.6	0.01	0.1	0.2	1920	2880	0.13	0.05	993	0.4	0.05	0.1	1	0.05	2	11.1
2009-MIPE-PCSA-MUSCLE COMP 2	PCSA	MUSCLE	MILO	-	1	0.1	0.01	0.7	0.1	0.1	5	0.05	147	0.5	0.1	3.7	132	0.01	222	5.1	0.06	0.6	0.1	3490	3020	0.51	0.05	990	0.2	0.05	0.1	1	0.05	2	24
2009-MIPE-PCSA-MUSCLE COMP 3	PCSA	MUSCLE	MILO	-	1	0.1	0.01	0.9	0.1	0.1	5	0.05	564	0.5	0.1	2.5	39	0.01	276	2.3	0.01	0.1	0.1	2760	3420	0.18	0.05	1310	0.7	0.05	0.1	1	0.05	2	16
2009-MIPE-PCSA-LIVER COMP 1	PCSA	LIVER	MIPE	72	1	0.1	0.01	0.4	0.1	0.1	5	0.05	147	0.5	0.1	3.7	132	0.01	222	5.1	0.06	0.6	0.1	3490	3020	0.51	0.05	990	0.2	0.05	0.1	1	0.05	2	24
2009-MIPE-PCSA-LIVER COMP 2	PCSA	LIVER	MIPE	72	1	0.1	0.01	0.3	0.1	0.1	5	0.08	129	0.5	0.1	3	126	0.01	195	4.1	0.01	0.4	0.1	3030	2680	0.4	0.05	785	0.3	0.05	0.1	1	0.05	2	22.3
2009-MIPE-PCSA-LIVER COMP 3	PCSA	LIVER	MIPE	72	1	0.1	0.01	0.3	0.1	0.1	5	0.16	152	0.5	0.1	3.7	181	0.01	243	5.6	0.01	0.8	0.1	3680	3210	0.36	0.05	1090	0.4	0.05	0.1	1	0.05	2	26.1
2009-MIPE-PCSA-MUSCLE COMP 1	PCSA	MUSCLE	MIPE	-	1	0.1	0.01	0.6	0.1	0.1	5	0.01	473	0.5	0.1	2	38	0.01	223	3.9	0.01	0.1	0.1	2160	3120	0.09	0.05	1010	0.6	0.05	0.1	1	0.05	2	12.1
2009-SOCI-PCSA01-06	PCSA	WHOLE	SOCI	71	4	0.1	0.01	4.4	0.1	0.1	5	0.24	9610	0.5	0.1	3.9	114	0.11	408	3.8	0.01	0.1	0.1	8110	2810	1.2	0.05	1300	2.8	0.05	0.1	1	0.05	2	31.3
2009-SOCI-PCSA01-15	PCSA	WHOLE	SOCI	70	6	0.1	0.01	5.2	0.1	0.1	5	0.16	14400	0.5	0.1	4.8	107	0.04	544	3.7	0.04	0.1	0.1	11600	3700	0.92	0.05	1630	3.8	0.05	0.1	1	0.05	2	42.6
2009-SOCI-PCSA01-16	PCSA	WHOLE	SOCI	71	13	0.1	0.01	4.1	0.1	0.1	5	0.15	12700	0.5	0.1	3.7	125	0.04	507	3.4	0.01	0.2	0.1	10200	3330	0.62	0.05	1360	3.9	0.05	0.1	1	0.05	2	33.8
2009-SOCI-PCSA02-02	PCSA	WHOLE	SOCI	72	7	0.1	0.01	8	0.1	0.1	5	0.29	14200	0.5	0.1	3.7	148	0.09	489	10.1	0.02	0.1	0.1												

Note: Red italicized numbers indicate that the value reported by the lab is less than the reportable detection limit (RDL)