

Collared Pika Surveys

Detection Datasheet

Site Information

Site Code: P128	Observer: JW	GPS ID: 45
Date (yyyy-mm-dd): 2018-08-03	Latitude (dd):	Longitude (dd):
Start Time: 0930	End Time: 3:15	GPS Track: 2018-08-03 P128-445
Temperature: 55.4°F	Wind Speed: 0.9 mph avg	Notes:

Detection Data

[illegible]

Species: pika, marmot, AGS, vole, bl. or br. bear, sheep, unknown; Color: G=green, B=brown; Sample: Collected Y/N; Coin/Vial: feces in coin envelope or 1.5ml vial; Dist Veg and Veg Type: distance to Viereck III vegetation types; L=length, W=width, H=height(cm) of haypiles; Transect Bearing: compass reading for path of travel; Animal Bearing: compass reading to animals; Dist=distance(m) to animals with rangefinder; Count: #of animals detected; Audio(Y/N): if you hear an animal's call on site (you may not see it or know how far away).

Notes:

Detection Datasheet

Site Code: P128	Observer: R. Kelly	GPS ID: 33
Date (yyyy-mm-dd): 2018-08-03	Latitude (dd):	Longitude (dd):
Start Time: 0930	End Time: 1315	GPS Track: 2018-08-01 P128 433
Temperature: 55.4°F	Wind Speed: 0.9 mph avg	Notes:

[illegible][illegible]

Detection Datasheet

Site Information

Site Code:	P250 (unknown 1)	Observer:	R. Kelly	GPS ID:	33
Date (yyyy-mm-dd):	2018-08-02	Latitude (dd):		Longitude (dd):	
Start Time:	1100	End Time:	1330	GPS Track:	2018-08-02 P250 PK 0000
Temperature:	58.2 °F	Wind Speed:	0 mph avg	Notes:	

Detection Data

[illegible]

Species: pika, marmot, AGS, vole, bl. or br. bear, sheep, unknown; WP: waypoint; Color: G=green, B=brown; Sample: Collected Y/N; Coin/Vial: feces in coin envelope or 1.5ml vial; Dist Veg and Veg Type: distance to Viereck III vegetation types; L=length, W=width, H=height(cm) of haypiles; Transect Bearing: compass reading for path of travel; Animal Bearing: compass reading to animals; Dist=distance(m) to animals with rangefinder; Count: #of animals detected; Audio(Y/N): if you hear an animal's call on site (you may not see it or know how far away).

Notes:

Collared Pika Surveys

Detection Datasheet

Site Information

Site Code: P118	Observer: JW	GPS ID: 45
Date (yyyy-mm-dd): 2018-07-31	Latitude (dd):	Longitude (dd):
Start Time: 09:45	End Time: 1530	GPS Track: 2018-07-31 P118-U15
Temperature: 78.4°F	Wind Speed: 2.7 mph avg	Notes:

Detection Data

Species	WP	Feces			Haypile				CM				Animal				Audio
		Color (G/B)	Sample (Y/N)	Coin/Vial	Dist Veg	Veg Type	Color (G/B)	Size (L)	Size (W)	Size (H)	Sample (Y/N)	Transect Bearing	Animal Bearing	Dist	Count	Y/N	
Unk.veg.	116	B	Y	C													
PIKA	117	B	N	C	2m	EDS	G+B	25cm	15	15	Y						
PIKA	118				7m	EDS/grass	B+G	45cm	10	3	Y						
PIKA	119	B	Y	C	2m	EDS	B				N						
PIKA	120	B	N		5m	EDS	B				N	240	240	0m	1	Y	
AGS	121											240	265	16.5	1	N	
PIKA	122				0m	EDS	G+B	25cm	2	1	Y						
PIKA	123				1m	EDS/grass	G+B	10	5	3	N						
PIKA	124				10m	EDS	B				N						
PIKA	125	B	Y	C													
PIKA	126				0m	EDS	B				N						
PIKA	127	B	N		8m	EDS	B				N						
PIKA	128	B	N		3m	EDS	B				N						
Unk.veg	129	B	Y	C													
PIKA	130	B	N		1m	EDS/grass	B				N						
PIKA	131											21	97	25	1	N	
PIKA	132	B	N		1m	EDS	G+B	5	3	1	N						

Species: pika, marmot, AGS, vole, bl. or br. bear, sheep, unknown; WP: waypoint; Color: G=green, B=brown; Sample: Collected Y/N; Coin/Vial: feces in coin envelope or 1.5ml vial; Dist Veg and Veg Type: distance to Viereck III vegetation types; L=length, W=width, H=height(cm) of haypiles; Transect Bearing: compass reading for path of travel; Animal Bearing: compass reading to animals; Dist=distance(m) to animals with rangefinder; Count: #of animals detected; Audio(Y/N): if you hear an animal's call on site (you may not see it or know how far away).

Notes:

Detection Dataset

Site Information

Site Code: P118	Observer: JW	GPS ID: 45
Date (yyyy-mm-dd): 2018-07-31	Latitude (dd):	Longitude (dd):
Start Time: 0945	End Time:	GPS Track: 2018-07-31 P118-U15
Temperature:	Wind Speed:	Notes:

Detection Data

		Feces			Haypile							Animal				Audio	
Species	WP	Color (G/B)	Sample (Y/N)	Coin/Vial	Dist Veg	Veg Type	Color (G/B)	Size (L)	Size (W)	Size (H)	Sample (Y/N)	Transect Bearing	Animal Bearing	Dist	Count	Y/N	
PIKA	133												260	260	9	1	N
PIKA	134	B	N	-	5m	EDS	G+B	25	10	8	N						
PIKA	135	B	N	-	1m	EDS	G+B	40	25	3	N						
PIKA	136	B	N	-	5m	EDS	G+B	7	5	2	N		260	2	22.5	1	Y
PIKA	137	B	N	-	7m	EDS	G+B	35	15	7	N						
PIKA	138				5m	EDS/CLS	G+B	10	8	3	N		262	262	5	1	Y
PIKA	139				1m	EDS/CLSS	G	30	15	3	N						

Notes:

Collared Pika Surveys

Detection Datasheet

Site Code: P118	Observer: Rachel Kelly	GPS ID: 33
Date (yyyy-mm-dd): 2018-07-31	Latitude (dd):	Longitude (dd):
Start Time: 1000	End Time: 1530	GPS Track: 2018-07-31 P118 RK
Temperature: avg: 78.4°F	Wind Speed: 2.7 mph avg	Notes:

Detection Data

		Feces			Haypile							Animal				Audio
Species	WP	Color (G/B)	Sample (Y/N)	Coin/Vial	Dist Veg	Veg Type	Color (G/B)	Size (L)	Size (W)	Size (H)	Sample (Y/N)	Transect Bearing	Animal Bearing	Dist	Count	Y/N
CP	046											282	240	18m	1	Y
AGS	046											282	220	24m	1	Y
CP	047	G	Y	C	10m	leafy	G		med.		Y	282	095	19m	1	Y
CP	048	G	N	—	7m	leafy	G		5m, scattered		N					
CP	049	B	N	—	4m	twiggy/leafy	G+B	medium (G) +		lg brown	Y(2)					
CP	050	B	N	—	3m	" "	G+B	G+B:	5m		Y(2)					
CP	051			—	3m	"	B	5m			N					
CP	052			—	4m	"	B	5m			N					
CP	053			—	3m	"	B	med			N					
CP	054			—	11m	"	B	med			N					
CP	055			—	2m	"	B	5m			N					
CP	056			—	1m	"	B	5m			N					
CP	057			—	1m	"	B	5m			N					
CP	058			—								250	355	35m	1	Y
CP	059			—	5m	"	B	5m			N					
CP	060	B	N	Y	6m	"	G+B	5m + 5m			N	80	118	1m	1	Y
CP	061			—	0m	"	B	5m			N					

Species: pika, marmot, AGS, vole, bl. or br. bear, sheep, unknown; WP=waypoint; Color: G=green, B=brown; Sample: Collected Y/N; Coin/Vial: feces in coin envelope or 1.5ml vial; Dist Veg and Veg Type: distance to Viereck III vegetation types; L=length, W=width, H=height(cm) of haypiles; Transect Bearing: compass reading for path of travel; Animal Bearing: compass reading to animals; Dist=distance(m) to animals with rangefinder; Count=#of animals detected; audio(Y/N): if you hear an animal's call on site (you may not see it or know how far away).

WP 048: within 25m of other HP, but diff. pika spotted at waypoint

Notes: several ground sq. calls heard, 1 seen, 1 pika seen + heard: in plot but before starting

Detection Datasheet

Site Code:	Observer:	GPS ID:
Date (yyyy-mm-dd):	Latitude (dd):	Longitude (dd):
Start Time:	End Time:	GPS Track:
Temperature:	Wind Speed:	Notes:

1

		Feces			Haypile						Animal				Audio	
Species	WP	Color (G/B)	Sample (Y/N)	Coin/Vial	Dist Veg	Veg Type	Color (G/B)	Size (L)	Size (W)	Size (H)	Sample (Y/N)	Transect Bearing	Animal Bearing	Dist	Count	Y/N
CP	062				3m	"	G+B	med			N					
CP	063											258	162	548	1	N
CP	064				3m	"	G+B	SM			N					
CP	065				3m	"flowers	G+B	med			N					
CP	066				9m	"	B	SM			N					
CP	067											085	302	11m	1	Y
CP	068				8m	"	G	med			N					
CP	069				3m	"	B	med			N					
CP	070											068	338	37	1	Y

Site Information

Notes:

Detection Datasheet

Site Information

Site Code: P063	Observer: JW	GPS ID: 45
Date (yyyy-mm-dd): 2018-08-01	Latitude (dd):	Longitude (dd):
Start Time: 1240	End Time: 1500	GPS Track: 2018-08-01 P063-445
Temperature: 66.3°F	Wind Speed: 3.5 avg mph	Notes:

Detection Data

[illegible]

Species: pika, marmot, AGS, vole, bl. or br. bear, sheep, unknown; WP:waypoint; Color: G=green, B=brown; Sample: Collected Y/N; Coin/Vial: feces in coin envelope or 1.5ml vial; Dist Veg and Veg Type: distance to Viereck III vegetation types; L=length, W=width, H=height(cm) of haypiles; Transect Bearing: compass reading for path of travel; Animal Bearing: compass reading to animals; Dist=distance(m) to animals with rangefinder; Count: #of animals detected; Audio(Y/N): if you hear an animal's call on site (you may not see it or know how far away).

Notes:

Detection Datasheet

Site Code:	P063	Observer:	R. Koltz	GPS ID:	33
Date (yyyy-mm-dd):	2018-08-01	Latitude (dd):		Longitude (dd):	
Start Time:	1240	End Time:	1500	GPS Track:	2018-08-01 P063 P11 RK433
Temperature:	66.3 °F	Wind Speed:	3.5 mph	Notes:	2018-08-01 P063 P2 RK433

[illegible]

Species: pika, marmot, AGS, vole, bl. or br. bear, unknown; Color: G=green, B=brown; Sample: Collected Y/N; Coin/Vial: feces in coin envelope or 1.5ml vial; Dist Veg and Veg Type: distance to Viereck III vegetation types; L=length, W=width, H=height(cm) of haypiles; Transect Bearing: compass reading for path of travel; Animal Bearing: compass reading to animals; Dist=distance(m) to animals with rangefinder; Count: #of animals detected; Audio(Y/N): if you hear an animal's call on site (you may not see it or know how far away).

Notes: WP 078- can be deleted

Vegetation Plot Field Datasheet

Site Information

Site Code: PX Unk1 (P250)		Date (yyyy-mm-dd): 2018-08-02		Plot Size (m): 10 x 10	
Observer 1: JW	Observer 2: RK	Waypoint:		GPS ID: 45	
Slope (°):	Aspect (°): 195	Scope:	Vascular: Highest cover	Cover Method: Semi-quant	
Vegetation Class: Open Low Shrub			Non-vascular: none	Survey Method: Visual est.	
Distance to Nearest Talus (m): 0			Lichen: none		

General Cover

Instructions: Absolute cover is measured independently of other layers. Absolute cover can/often will sum to values $> 100\%$.

Life Form	Absolute Cover (%)	Height (m)
Needleleaf	0	—
Broadleaf	0	—
Tall Shrub (> 1.5 m)	0	—
Low Shrub (0.2 - 1.5 m)	40	
Dwarf Shrub (< 0.2 m)	50	
Forb	10	
Ferns/Allies	0	
Grasses (incl. rush and sedge)	20	
Moss	25	
Lichen	20	

Ground Form	Ground Cover (%)
Bare Ground	0
Rock	15
Water	
Snow	

Species Cover

Instructions: Each entity should be recorded at the finest taxonomic resolution possible. Use full names rather than codes or abbreviations. Cover values should be estimated based on absolute cover. Cover values can sum to greater than 100%.

[illegible]

Collared Pika Surveys 2018

Vegetation Plot Field Datasheet

Site Information

Site Code: <u>P119</u>		Date (yyyy-mm-dd):		Plot Size (m): <u>10 x 10</u>	
Observer 1: <u>JW</u>	Observer 2: <u>RK</u>	Waypoint: <u>71</u>		GPS ID: <u>33</u>	
Slope (°): <u>35</u>	Aspect (°): <u>335</u>	Scope:	Vascular: Highest cover	Cover Method: Semi-quant	
Vegetation Class: <u>EDS</u>			Non-vascular: none	Survey Method: Visual est.	
Distance to Nearest Talus (m): <u>0</u>			Lichen: none		

General Cover

Instructions: Absolute cover is measured independently of other layers. Absolute cover can/often will sum to values > 100%.

Life Form	Absolute Cover (%)	Height (m)
Needleleaf	0	—
Broadleaf	0	—
Tall Shrub (> 1.5 m)	0	—
Low Shrub (0.2 - 1.5 m)	21	24
Dwarf Shrub (< 0.2 m)	85	8
Forb	2	
Ferns/Allies	0	
Grasses (incl. rush and sedge)	15	
Moss	30	
Lichen	45	

Ground Form	Ground Cover (%)
Bare Ground	0
Rock	20
Water	0
Snow	0

Species Cover

Instructions: Each entity should be recorded at the finest taxonomic resolution possible. Use full names rather than codes or abbreviations. Cover values should be estimated based on absolute cover. Cover values can sum to greater than 100%.

[illegible]

Collared Pika Surveys 2018

Vegetation Plot Field Datasheet

Site Information

Site Code: P128		Date (yyyy-mm-dd): 2018-08-03		Plot Size (m): 10 x 10	
Observer 1: JW	Observer 2: RK	Waypoint: 163		GPS ID: 45	
Slope (°): 28	Aspect (°): 44	Scope:	Vascular: Highest cover	Cover Method: Semi-quant	
Vegetation Class: EOS			Non-vascular: none	Survey Method: Visual est.	
Distance to Nearest Talus (m): 0m			Lichen: none		

General Cover

Instructions: Absolute cover is measured independently of other layers. Absolute cover can/often will sum to values $> 100\%$.

Life Form	Absolute Cover (%)	Height (m)
Needleleaf	0	—
Broadleaf	0	—
Tall Shrub (> 1.5 m)	0	—
Low Shrub (0.2 - 1.5 m)	0	—
Dwarf Shrub (< 0.2 m)	85	
Forb	20	
Ferns/Allies	0	
Grasses (incl. rush and sedge)	15	
Moss	40	
Lichen	60	

Ground Form	Ground Cover (%)
Bare Ground	0
Rock	15
Water	0
Snow	0

Species Cover

Instructions: Each entity should be recorded at the finest taxonomic resolution possible. Use full names rather than codes or abbreviations. Cover values should be estimated based on absolute cover. Cover values can sum to greater than 100%.

[illegible]

Site Information

Site Code: P118	Date (yyyy-mm-dd): 2018-07-31
Observer 1: JW	Observer 2: RK

Plot Cover

Instructions: Visually estimate the percent of each of the following category for the entire plot (250 x 250m).

Category	Cover (%)	Distance to Nearest Talus (m)
Snow	—	—
Water: pond stream other	—	—
Low Shrub	42	0
Talus	60	N/A

50m Radius

Instructions: Visually estimate the percent of each of the following category within a 50m radius of talus. Can include distance to nearest talus only for unsurveyed veg. classes.

	Viereck Level III Class	Cover (%)	Surveyed (Y/N)	Distance to Nearest Talus (m)
1	EDS	85		0
2				
3				
4				
5				
6				

Plot Sketch



Site Information

Site Code: P063	Date (yyyy-mm-dd): 2018-08-01
Observer 1: JW	Observer 2: RK

Plot Cover

Instructions: Visually estimate the percent of each of the following category for the entire plot (250 x 250m).

Category	Cover (%)	Distance to Nearest Talus (m)
Snow	0	—
Water: pond <u>stream</u> other	10	100m
Low Shrub	30-40	0m
Talus	10-15	N/A

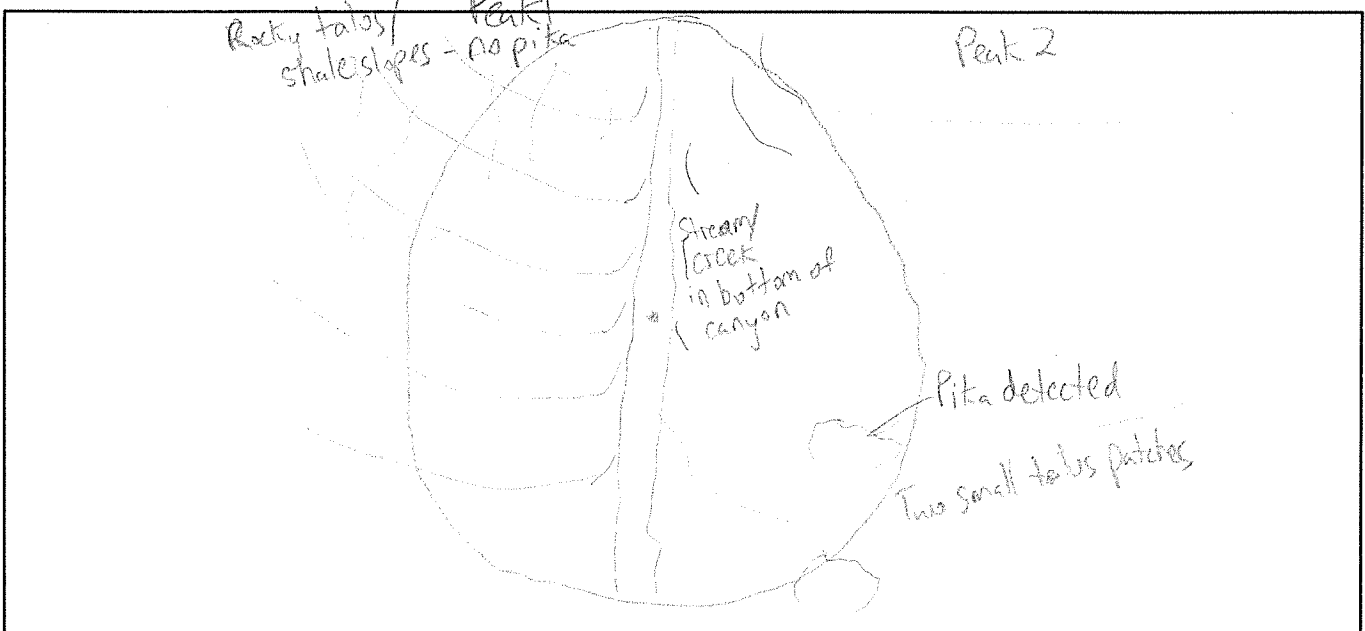
50m Radius

Instructions: Visually estimate the percent of each of the following category within a 50m radius of talus. Can include distance to nearest talus only for unsurveyed veg. classes.

*no veg surveys - rain picked up @ end of talus survey

	Viereck Level III Class	Cover (%)	Surveyed (Y/N)	Distance to Nearest Talus (m)
1	Closed Tall Shrub	15	N	20
2	Closed Low Shrub	20	N	0
3	EOS	35	N	0
4	DOS	20	N	0
5				
6				

Plot Sketch



Site Information

Site Code: P060	Observer: JW	GPS ID: 45
Date (yyyy-mm-dd): 2018-07-23	Latitude (dd):	Longitude (dd):
Start Time: 10:30	End Time: 15:00	GPS Track: 2018-07-23 P060-445
Temperature: 25.8°C	Wind Speed: 1.3 m/s	Notes:

Detection Data

		Feces			Haypile								Animal				Audio
Species	WP	Color (G/B)	Sample (Y/N)	Coin/Vial	Dist Veg	Veg Type	Color (G/B)	Size (L)	Size (W)	Size (H)	Sample (Y/N)	Transect Bearing	Animal Bearing	Dist	Count	Y/N	
Unk.	101	B	Y	C	—	—	—	—	—	—	—	—	—	—	—	—	
Unk.	101	B	Y	C	—	—	—	—	—	—	—	—	—	—	—	—	
PIKA?	101	B	Y	C	—	—	—	—	—	—	—	—	—	—	—	—	
PIKA	102	B	Y	C	1m	SDS/EDS	B	—	—	—	Y	—	—	—	—	—	
HOMA?	103	B	Y	C	—	—	—	—	—	—	—	—	—	—	—	—	
PIKA	104	B	Y	C	2m	Grass/EDS	B	—	—	—	Y	—	—	—	—	—	
PIKA	105	?	Y	C	10m	DDS	G	25cm	10cm	4cm	Y	—	—	—	—	—	
PIKA	106	B	N	—	8m	DDS	B	—	—	—	N	—	—	—	—	—	
PIKA	107	—	—	—	2m	EDS	G	12cm	8cm	2cm	Y	56	56	16m	1	Y	
PIKA	108	—	—	—	3m	Grass/EDS	G+B	25cm	10cm	3cm	N	—	—	—	—	—	
PIKA	109	?	Y	C	—	—	—	—	—	—	—	—	—	—	—	Y	
PIKA	110	—	—	—	20m	EDS/Grass	B	—	—	—	N	—	—	—	—	—	
PIKA	111	B	N	—	20m	EDS/Grass	B	—	—	—	N	—	—	—	—	—	

Species: pika, marmot, AGS, vole, bl. or br. bear, sheep, unknown; WP: waypoint; Color: G=green, B=brown; Sample: Collected Y/N; Coin/Vial: feces in coin envelope or 1.5ml vial; Dist Veg and Veg Type: distance to Viereck III vegetation types; L=length, W=width, H=height(cm) of haypiles; Transect Bearing: compass reading for path of travel; Animal Bearing: compass reading to animals; Dist=distance(m) to animals with rangefinder; Count: #of animals detected; Audio(Y/N): if you hear an animal's call on site (you may not see it or know how far away).

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