APPENDIX III

FLAMMULATED OWLS – TRANSECT LOCATION FORM

FOREST or General Area: Clearwater NF - Pete King Creek Drainage

TRANSECT NUMBER: *TRANSECT NAME:* Pete KING 1

10 stations (1 through 10)

GPS for POINT 1: ~~Lat:~~ North 5115370

All locations in UTMs

~~Long:~~ East - 605242

DATUM: NAD 83 Zone 11

DIRECTIONS TO START POINT (from nearest main road) and ACCESS INFORMATION:

Take State Highway 12 to the Pete King Creek Road FSR 453.

Drive to the end (crosses 2 small bridges) and Park. Take Hiking trail 4006 (Higgins Hump Hill Climb) to PK-FLAM-10A. To get to PK-FLAM-10, Part before the end of Rd at the TRAIL 105 trail head.

ACCESS CONSIDERATIONS (check those that apply):

4WD ONLY
2WD OKAY
HIGH CLEARANCE ONLY

HIKE TO START to PK-FLAM-10A & 10-
OPEN ROAD Pete King Creek Rd
CLOSED ROAD (key needed)

VISIT 1

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	6 1 1	2009
Transect #	PK 1		Transect Name	Pete King 1		#obs	Ø	

General location: Parked @ end of the road and hiked up trail on broad ridge. Originally thought this was how to access PK-FLAM.10 but realized we were on a side trail. So, called this ~~PK~~ PK-FLAM.10A

PK-FLAM_10A

STOP	1	WGS 84	way point		North lat	5115370	East long	-605242

STOP 1	Start Time	2 1 0 0	WIND	0	SKY	0	TEMP	57°	NOISE	1
FLAM 1 N Y	b4 call: Y (N)	after call 1: Y (N)	after call 2: ~~Y~~	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes

2112 260° several single hoots after survey spaced out longer than typical Flam courtship call. Across drainage to SW. Possibly a great horn.

Flam comments – visual?

PK-FLAM_09

STOP	~~2~~	WGS 84	way point		lat	5115025	long	-605295

STOP 2	Start Time	2 1 5 4	WIND	0	SKY	0	TEMP	57°	NOISE	2
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes

Stream noise louder at this point

Flam comments – visual?

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	6/1/2019
Transect #	PK1		Transect Name	Pete King 1		#obs	Ø
General location: FSR 453							

PK-FLAM-8

STOP	1	WGS 84	way point		Northing lat	5114879	Easting long	-605282

STOP 1	Start Time	2 2 1 2	WIND	0	SKY	0	TEMP	57°	NOISE	2
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

PK-FLAM-07

STOP	2	WGS 84	way point		North lat	5114678	East long	-606209

STOP 2	Start Time	2 2 2 7	WIND	0	SKY	0	TEMP	57°	NOISE	2
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	6/1/2019
Transect #	PK1		Transect Name	Pete King 1		#obs	Ø
General location: FSR 453							

PK-FLAM-06

STOP	1	WGS 84	way point		N lat	5.114832	E long	- 606.703

STOP 1	Start Time	2	2	4	3	WIND	0	SKY	0	TEMP	57°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					

Incidental owls – species, distance and notes	Flam comments – visual?
None	

PK-FLAM-05

STOP	2	WGS 84	way point		N lat	5.114905	E long	- 607.197

STOP 2	Start Time	2	3	0	0	WIND	0	SKY	0	TEMP	57°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					

Incidental owls – species, distance and notes	Flam comments – visual?
None	

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	6/11	2009
Transect #	P K 1		Transect Name	Pete King 1		#obs	Ø	
General location: FSR 453								

PK-FLAM-04

STOP	1	WGS 84	way point		N ~~lat~~	51.4632	E ~~long~~	- 607.77

STOP 1	Start Time	2 3 1 8	WIND	0	SKY	0	TEMP	57°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
NONE	

PK_FLAM_03

STOP	2	WGS 84	way point		N ~~lat~~	51.4460	E ~~long~~	- 608.144

STOP 2	Start Time	2 3 3 3	WIND	0	SKY	0	TEMP	57°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
NONE	

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	6 / 11 / 2009
Transect #	P K 1		Transect Name	Pete King 1		#obs	0
General location: FSR 453							

PK-FLAM-02

STOP	X	WGS 84	way point		N ~~lat~~	51.4265	E ~~long~~	- 60.8591

STOP 1	Start Time	2 3 4 8	WIND	0	SKY	0	TEMP	50's	NOISE	2
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

PK-FLAM-01

STOP	2	WGS 84	way point		N ~~lat~~	51.3825	E ~~long~~	- 60.8831

0 0 0 3

STOP 2	Start Time	2	WIND	0	SKY	0	TEMP	50's	NOISE	2
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

VISIT 2

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	7/17/2019
Transect #	PK 1		Transect Name	Pete King 1		#obs	Ø
General location:	≈ 0.3 miles out Trail 105 from FSR 453						

PK-FLAM-10

STOP	~~#~~	WGS 84	way point		N ~~lat~~	5115546	E ~~long~~	- 604134

STOP 1	Start Time	2 1 0 0	WIND	1	SKY	1	TEMP	68°F	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

PK-FLAM-09

STOP	~~#~~	WGS 84	way point		N ~~lat~~	5115025	E ~~long~~	- 605295

STOP 2	Start Time	2 1 2 2	WIND	0	SKY	0	TEMP	68°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	7/17/2009
Transect #	P K 1		Transect Name	Pete King 1		#obs	Ø
General location: FSR 453							

PK-FLAM-08

STOP	1	WGS 84	way point		N ~~lat~~	5114879	E ~~long~~	-605782

STOP Ø	Start Time	2	1	3	8	WIND	0	SKY	0	TEMP	65°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					

Incidental owls – species, distance and notes	Flam comments – visual?
None	

PK-FLAM-07

STOP	1	WGS 84	way point		N ~~lat~~	5114678	E ~~long~~	-606209

STOP Ø	Start Time	2	1	5	3	WIND	0	SKY	1	TEMP	64°	NOISE	1-2
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					

Incidental owls – species, distance and notes	Flam comments – visual?
None	

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	7/17/2009
Transect #	PK1		Transect Name	Pete King 1		#obs	Ø
General location: FSR 453							

PK-FLAM-06

STOP	1	WGS 84	way point		N ~~lat~~	5114832	E ~~long~~	- 606703

STOP 1	Start Time	2209	WIND	0	SKY	1	TEMP	67°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
NONE	

PK-FLAM-05

STOP	2	WGS 84	way point		N ~~lat~~	5114905	E ~~long~~	- 607197

STOP 2	Start Time	2222	WIND	1	SKY	1	TEMP	65°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	7/17/2009
Transect #	PK 1		Transect Name	Pete King 1		#obs	Ø
General location: FSR 453							

PK-FLAM-04

STOP	1	WGS 84	way point		N ~~lat~~	51.4632	E ~~long~~	- 607677

STOP 1	Start Time	2	2	4	1	WIND	1	SKY	1	TEMP	65°	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					

Incidental owls – species, distance and notes	Flam comments – visual?
None	

PK-FLAM-03

STOP	2	WGS 84	way point		N ~~lat~~	511.4460	E ~~long~~	- 608.144

STOP 2	Start Time	2	2	5	4	WIND	1	SKY	1	TEMP	64	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance					

Incidental owls – species, distance and notes	Flam comments – visual?
None	

Appendix IV - data form

Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST	Clearwater	DATE	7/17/2019
Transect #	P K 1		Transect Name	Pete King 1		#obs	Ø
General location: FSR 453							

PK-FLAM-02

STOP	1	WGS 84	way point		N ~~lat~~	5114265	E ~~long~~	- 608591

STOP 1	Start Time	2 3 0 7	WIND	0	SKY	1	TEMP	64	NOISE	1
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

PK-FLAM-01

STOP	2	WGS 84	way point		N ~~lat~~	5113825	E ~~long~~	- 608831

STOP 2	Start Time	2 3 2 5	WIND	0	SKY	1	TEMP	64	NOISE	2
FLAM 1 (N) Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N	after call 1: Y N	after call 2: Y	# min		direct-n		distance		

Incidental owls – species, distance and notes	Flam comments – visual?
None	

Appendix IV - data form

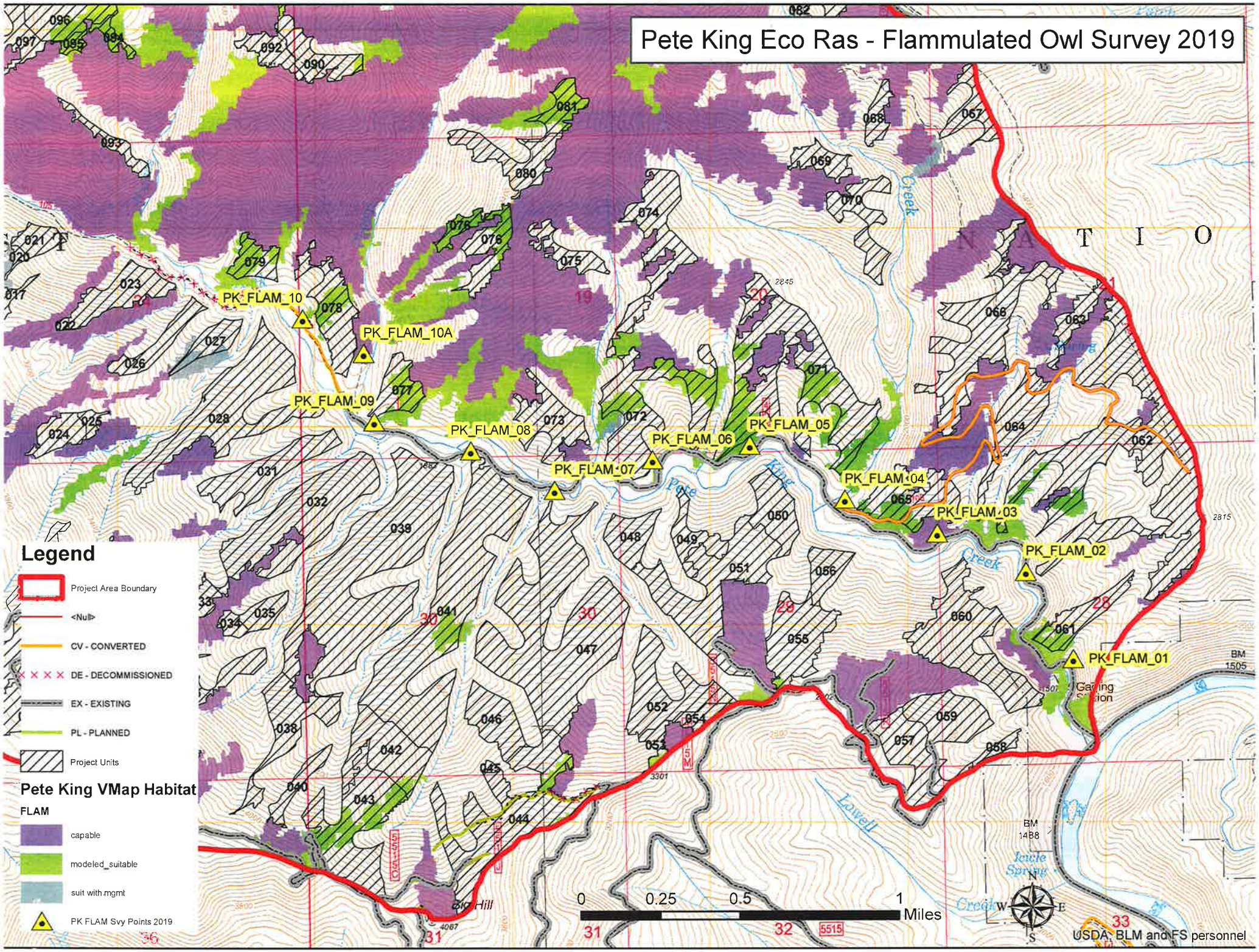
Flammulated Owl Surveys – Montana and Idaho (USFS Region 1)

OBS				FOREST		DATE				200
Transect #						Transect Name			#obs	
General location:										

STOP	1	WGS 84	way point		lat	__ __ . __ __ __ __ __	long	- __ __ __ . __ __ __ __ __

STOP 1	Start Time					WIND		SKY		TEMP		NOISE	
FLAM 1 N Y	b4 call: Y N		after call 1: Y N		after call 2: Y		# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N		after call 1: Y N		after call 2: Y		# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N		after call 1: Y N		after call 2: Y		# min		direct-n		distance		
Incidental owls – species, distance and notes							Flam comments – visual?						

STOP	2	WGS 84	way point		lat	__ __ . __ __ __ __ __	long	- __ __ __ . __ __ __ __ __

STOP 2	Start Time					WIND		SKY		TEMP		NOISE	
FLAM 1 N Y	b4 call: Y N		after call 1: Y N		after call 2: Y		# min		direct-n		distance		
FLAM 2 N Y	b4 call: Y N		after call 1: Y N		after call 2: Y		# min		direct-n		distance		
FLAM 3 N Y	b4 call: Y N		after call 1: Y N		after call 2: Y		# min		direct-n		distance		
Incidental owls – species, distance and notes							Flam comments – visual?						

Pete King Eco Ras - Flammulated Owl Survey 2019