

Tri-State Montrose-Nucla-Cahone Transmission Line Improvement Project
Preliminary Environmental Assessment
(DOI-BLM-CO-S000-2013-0001)

Appendix A. Mexican Spotted Owl Survey Forms

Mexican Spotted Owl Inventory Form

Inventory Area Dolores River Canyon Crossing Date 05/13/14 Page 1 of 1
 Management Unit (e.g., Forest) San Juan NF District Tres Rios, San Juan Quad Map Name(s) S and W. Canyon Rims
 Survey Type: Nighttime Daytime Survey # 1 Complete Survey? Yes
 Outing # 1 Aborted? Results % Area Surveyed 100 %
 Observers AP/GD Company / Agency ERO/Dunmire Consulting

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response												
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM		
												1 st	2 nd	Wind	Cloud	PPT	E	N	
CC1	CC	21:02	00:28	3:06	V	No									0	0	0		
CC1	moonrise	21:35				Yes													
CC1						Yes	A	M&F		FLO W	22:21	330							
CC1						Yes	A			FLO W	22:40	210							

- > Date: Should be in MM/DD/YY format
- > Outing #: For cases where it takes multiple outings to complete the survey
- > Call Point: Label point on map and reference it here
- > Survey Method:
 CP = Call Point
 CC = Continuous Calling Route
 LF = Leap Frog Method
- > Time - Start/End: Should be in military time (0900 - 1300)
- > Call Method: V = Vocal or R = Recorded calls: Should primarily be Vocal
- > Raptor Response A/V: A = Audio or V = Visual location
- > Sex: M, F, U

- > Age: J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > Spp: Species (4-letter abbreviation: SPOW, GHOW)
- > Wind:
 0 = < 1 mph: Smoke rises straight up
 1 = 1-3 mph: Smoke drifts
 2 = 4-7 mph: wind felt on face, leaves rustle
 3 = 8-12 mph: Leaves/small twigs in constant motion
 4 = 13-18 mph: Raises dust, moves small branches
 5 = 19-24 mph: Small trees in leaf sway
 6 = > 24 mph: Large trees in leaf sway
DO NOT CALL IF WIND > 3!!!
- > Cloud: 0-100%, estimate to nearest 10% cloud cover

- > PPT: Precipitation
 0 = None
 1 = fog
 2 = light rain
 3 = heavy rain
 4 = light snow
 5 = heavy snow
- > UTM:
 E: Easting, should be 6 digits
 N: Northing, should be 7 digits
 Estimate to nearest 10 meters!
- > Don't forget to attach map with calling locations and any raptor locations labeled!

Mexican Spotted Owl Inventory Form

Inventory Area Dolores River Canyon Crossing Date 05/14/14 Page 1 of 1
 Management Unit (e.g., Forest) San Juan NF District Tres Rios, San Juan Quad Map Name(s) S and W Canyon Rims
 Survey Type: Nighttime Daytime Survey # 2 Complete Survey? Yes
 Outing # 1 Aborted? Results _____ % Area Surveyed 100 %
 Observers AP/GD Company / Agency ERO/Dunmire Consulting

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response												
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM		
												1 st	2 nd	Wind	Cloud	PPT	E	N	
CC1	CC	20:35	23:41	3:06	V	No	A			FLO W	21:01	90		0	0	0	698415	4182494	
						No	A			FLO W	21:39	200		0	0	0	698810	4182226	
						No	A			FLO W	22:00	220		0	0	0	698817	4181786	
						No	A			FLO W	22:00	170		0	0	0	698817	4181786	
		22:05	Moon rise			Yes	A			FLO W	22:21	120		0	0	0	699154	4181429	
						Yes	A			GHO W	22:37	180		0	0	0	699154	4181429	
						Yes	A			FLO W	22:44	45		0	0	0	699805	4181393	
						Yes	A			FLO W	23:41	140		0	0	0	699986	4180651	
						Yes	A			GHO W	00:30	180		0	0	0	699986	4180651	
						Yes	A			FLO W	00:30	180		0	0	0	699986	4180651	

- > Date: Should be in MM/DD/YY format
- > Outing #: For cases where it takes multiple outings to complete the survey
- > Call Point: Label point on map and reference it here
- > Survey Method:
 - CP = Call Point
 - CC = Continuous Calling Route
 - LF = Leap Frog Method
- > Time - Start/End: Should be in military time (0900 - 1300)
- > Call Method: V = Vocal or R = Recorded calls: Should primarily be Vocal
- > Raptor Response A/V: A = Audio or V = Visual location
- > Sex: M, F, U

- > Age: J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > Spp: Species (4-letter abbreviation: SPOW, GHOW)
- > Wind:
 - 0 = < 1 mph: Smoke rises straight up
 - 1 = 1-3 mph: Smoke drifts
 - 2 = 4-7 mph: wind felt on face, leaves rustle
 - 3 = 8-12 mph: Leaves/small twigs in constant motion
 - 4 = 13-18 mph: Raises dust, moves small branches
 - 5 = 19-24 mph: Small trees in leaf sway
 - 6 = > 24 mph: Large trees in leaf sway
- > Cloud: 0-100%, estimate to nearest 10% cloud cover

- > PPT: Precipitation
 - 0 = None
 - 1 = fog
 - 2 = light rain
 - 3 = heavy rain
 - 4 = light snow
 - 5 = heavy snow
- > UTM:
 - E: Easting, should be 6 digits
 - N: Northing, should be 7 digits
 - Estimate to nearest 10 meters!
- > Don't forget to attach map with calling locations and any raptor locations labeled!

Mexican Spotted Owl Inventory Form

Inventory Area Dolores River Canyon Crossing Date 05/15/14 Page 1 of 1
 Management Unit (e.g., Forest) _____ District _____ Quad Map Name(s) _____
 Survey Type: Nighttime X Daytime _____ Survey # 2 Complete Survey? Yes
 Outing # 1 Aborted? _____ Results _____ % Area Surveyed 100%
 Observers AP/GD Company / Agency ERO/Dunmire Consulting

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response												
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM		
												1 st	2 nd	Wind	Cloud	PPT	E	N	
1	CP	20:38	21:02	24	V	No								3	30	0			
2	CP	21:52	22:12	20	V	Yes	A				FLO W	21:52	70		1	10	0		
2						Yes	A				GHO W	22:04	20		1	10	0		
3	CP	22:37	22:57	20	V	Yes	A				GHO W	22:37	90		1	0	0		
4	CP	23:19	23:40	21	V	Yes	A				FLO W	23:19	360		1	0	0		
4						Yes	A				NPO W	23:30	280		1	0	0		
5	CP	23:45	00:05	20	V	Yes	A				FLO W	23:45	100		0	0	0		
6	CP	00:36	00:56	20	V	Yes	A				FLO W	00:36	90		0	0	0		
6						Yes	A				FLO W	00:54	80		0	0	0		
7	CP	01:22	01:42	20	V	Yes									0	0	0		
8	CP	02:02	02:22	20	V	Yes	A				FLO W	02:07	110		1	0	0		

- > Date: Should be in MM/DD/YY format
- > Outing #: For cases where it takes multiple outings to complete the survey
- > Call Point: Label point on map and reference it here
- > Survey Method:
 - CP = Call Point
 - CC = Continuous Calling Route
 - LF = Leap Frog Method
- > Time - Start/End: Should be in military time (0900 - 1300)
- > Call Method: V = Vocal or R = Recorded calls: Should primarily be Vocal.
- > Raptor Response A/V: A = Audio or V = Visual location
- > Sex: M, F, U

- > Age: J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > Spp: Species (4-letter abbreviation: SPOW, GHOW)
- > Wind:
 - 0 = < 1 mph: Smoke rises straight up
 - 1 = 1-3 mph: Smoke drifts
 - 2 = 4-7 mph: wind felt on face, leaves rustle
 - 3 = 8-12 mph: Leaves/small twigs in constant motion
 - 4 = 13-18 mph: Raises dust, moves small branches
 - 5 = 19-24 mph: Small trees in leaf sway
 - 6 = > 24 mph: Large trees in leaf sway
 - DO NOT CALL IF WIND > 3!!!
- > Cloud: 0-100%, estimate to nearest 10% cloud cover

- > PPT: Precipitation
 - 0 = None
 - 1 = fog
 - 2 = light rain
 - 3 = heavy rain
 - 4 = light snow
 - 5 = heavy snow
- > UTM:
 - E: Easting, should be 6 digits
 - N: Northing, should be 7 digits
 - Estimate to nearest 10 meters!
- > Don't forget to attach map with calling locations and any raptor locations labeled!

Mexican Spotted Owl Inventory Form

Inventory Area Dolores River Canyon Crossing Date 06/19/14 Page 1 of 1
 Management Unit (e.g., Forest) San Juan Nat Forest District _____ Quad Map Name(s) _____
 Survey Type: Nighttime X Daytime _____ Survey # 3 Complete Survey? yes
 Outing # 1 Aborted? _____ Results _____ % Area Surveyed _____
 Observers GD Company / Agency Dunmire Consulting/ERO/Tristate

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response												
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM		
												1 st	2 nd	Wind	Cloud	PPT	E	N	
1	CP	20:40	21:00	20	V	No									1	60%	0		
2	CP	21:54	22:14	20	V	No									2	50%	0		
3	CP	22:41	23:02	21	V	No									3	20%	0		
5	CP	00:08	00:28	20	V	No									1	0%	0		
4	CP	00:33	00:53	20	V	No									2	0%	0		
6	CP	01:19	01:39	20	V	No									2	0%	0		
7	CP	02:03	02:23	20	V	Yes									0	0%	0		
8	CP	02:44	03:04	20	V	Yes									0	0%	0		

- > Date: Should be in MM/DD/YY format
- > Outing #: For cases where it takes multiple outings to complete the survey
- > Call Point: Label point on map and reference it here
- > Survey Method:
 - CP = Call Point
 - CC = Continuous Calling Route
 - LF = Leap Frog Method
- > Time - Start/End: Should be in military time (0900 - 1300)
- > Call Method: V = Vocal or R = Recorded calls: Should primarily be Vocal
- > Raptor Response A/V: A = Audio or V = Visual location
- > Sex: M, F, U

- > Age: J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > Spp: Species (4-letter abbreviation: SPOW, GHOW)
- > Wind:
 - 0 = < 1 mph: Smoke rises straight up
 - 1 = 1-3 mph: Smoke drifts
 - 2 = 4-7 mph: wind felt on face, leaves rustle
 - 3 = 8-12 mph: Leaves/small twigs in constant motion
 - 4 = 13-18 mph: Raises dust, moves small branches
 - 5 = 19-24 mph: Small trees in leaf sway
 - 6 = > 24 mph: Large trees in leaf sway
- > Cloud: 0-100%, estimate to nearest 10% cloud cover

- > PPT: Precipitation
 - 0 = None
 - 1 = fog
 - 2 = light rain
 - 3 = heavy rain
 - 4 = light snow
 - 5 = heavy snow
- > UTM:
 - E: Easting, should be 6 digits
 - N: Northing, should be 7 digits
 - Estimate to nearest 10 meters!
- > Don't forget to attach map with calling locations and any raptor locations labeled!

Mexican Spotted Owl Inventory Form

Inventory Area Dolores River Canyon Crossing Date 06/20/14 Page 1 of 1
 Management Unit (e.g., Forest) San Juan Nat Forest District _____ Quad Map Name(s) _____
 Survey Type: Nighttime X Daytime _____ Survey # 3 Complete Survey? yes
 Outing # 1 Aborted? _____ Results _____ % Area Surveyed _____
 Observers GD Company / Agency Dunmire Consulting/ERO/Tristate

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response												
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM		
												1 st	2 nd	Wind	Cloud	PPT	E	N	
11	CP	20:40	21:00	20	V	No									1	100%	0		
9	CP	21:20	21:40	20	V	No									0	100%	0		
10	CP	21:52	22:12	20	V	No									2	100%	0		

- > Date: Should be in MM/DD/YY format
- > Outing #: For cases where it takes multiple outings to complete the survey
- > Call Point: Label point on map and reference it here
- > Survey Method:
 CP = Call Point
 CC = Continuous Calling Route
 LF = Leap Frog Method
- > Time - Start/End: Should be in military time (0900 - 1300)
- > Call Method: V = Vocal or R = Recorded calls: Should primarily be Vocal
- > Raptor Response A/V: A = Audio or V = Visual location
- > Sex: M, F, U

- > Age: J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > Spp: Species (4-letter abbreviation: SPOW, GHOW)
- > Wind:
 0 = < 1 mph: Smoke rises straight up
 1 = 1-3 mph: Smoke drifts
 2 = 4-7 mph: wind felt on face, leaves rustle
 3 = 8-12 mph: Leaves/small twigs in constant motion
 4 = 13-18 mph: Raises dust, moves small branches
 5 = 19-24 mph: Small trees in leaf sway
 6 = > 24 mph: Large trees in leaf sway
DO NOT CALL IF WIND > 3!!!
- > Cloud: 0-100%, estimate to nearest 10% cloud cover

- > PPT: Precipitation
 0 = None
 1 = fog
 2 = light rain
 3 = heavy rain
 4 = light snow
 5 = heavy snow
- > UTM:
 E: Easting, should be 6 digits
 N: Northing, should be 7 digits
 Estimate to nearest 10 meters!
- > Don't forget to attach map with calling locations and any raptor locations labeled!

Mexican Spotted Owl Inventory Form

Inventory Area Dolores River Canyon Crossing Date 06/27/14 Page 1 of 1
 Management Unit (e.g., Forest) San Juan Nat Forest District _____ Quad Map Name(s) _____
 Survey Type: Nighttime X Daytime _____ Survey # 4 Complete Survey? yes
 Outing # 1 Aborted? _____ Results _____ % Area Surveyed _____
 Observers GD Company / Agency Dunmire Consulting/ERO/Tristate

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response												
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM		
												1 st	2 nd	Wind	Cloud	PPT	E	N	
8	CP	20:40	21:00	20	V	No									0	30%	0		
7	CP	21:15	21:35	20	V	No									2	40%	0		
6	CP	21:58	22:19	21	V	No									1	20%	0		
5	CP	22:46	23:06	20	V	No									3	30%	0		
4	CP	23:09	23:29	20	V	No									1	10%	0		
3	CP	23:50	00:10	20	V	No									2	0%	0		

- > Date: Should be in MM/DD/YY format
- > Outing #: For cases where it takes multiple outings to complete the survey
- > Call Point: Label point on map and reference it here
- > Survey Method:
 CP = Call Point
 CC = Continuous Calling Route
 LF = Leap Frog Method
- > Time - Start/End: Should be in military time (0900 - 1300)
- > Call Method: V = Vocal or R = Recorded calls: Should primarily be Vocal
- > Raptor Response A/V: A = Audio or V = Visual location
- > Sex: M, F, U

- > Age: J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > Spp: Species (4-letter abbreviation: SPOW, GHOW)
- > Wind:
 0 = < 1 mph: Smoke rises straight up
 1 = 1-3 mph: Smoke drifts
 2 = 4-7 mph: wind felt on face, leaves rustle
 3 = 8-12 mph: Leaves/small twigs in constant motion
 4 = 13-18 mph: Raises dust, moves small branches
 5 = 19-24 mph: Small trees in leaf sway
 6 = > 24 mph: Large trees in leaf sway
DO NOT CALL IF WIND > 3!!!
- > Cloud: 0-100%, estimate to nearest 10% cloud cover

- > PPT: Precipitation
 0 = None
 1 = fog
 2 = light rain
 3 = heavy rain
 4 = light snow
 5 = heavy snow
- > UTM:
 E: Easting, should be 6 digits
 N: Northing, should be 7 digits
 Estimate to nearest 10 meters!
- > Don't forget to attach map with calling locations and any raptor locations labeled!

Mexican Spotted Owl Inventory Form

Inventory Area Dolores River Canyon Crossing Date 06/28/14 Page 1 of 1
 Management Unit (e.g., Forest) San Juan Nat Forest District _____ Quad Map Name(s) _____
 Survey Type: Nighttime X Daytime _____ Survey # 4 Complete Survey? yes
 Outing # 1 Aborted? _____ Results _____ % Area Surveyed _____
 Observers GD Company / Agency Dunmire Consulting/ERO/Tristate

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response												
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM		
												1 st	2 nd	Wind	Cloud	PPT	E	N	
11	CP	20:40	21:00	20	V	No									3	0%	0		
9	CP	21:16	21:36	20	V	No									2	0%	0		
10	CP	21:47	22:07	20	V	No									1	0%	0		

- > Date: Should be in MM/DD/YY format
- > Outing #: For cases where it takes multiple outings to complete the survey
- > Call Point: Label point on map and reference it here
- > Survey Method:
 CP = Call Point
 CC = Continuous Calling Route
 LF = Leap Frog Method
- > Time - Start/End: Should be in military time (0900 - 1300)
- > Call Method: V = Vocal or R = Recorded calls: Should primarily be Vocal
- > Raptor Response A/V: A = Audio or V = Visual location
- > Sex: M, F, U

- > Age: J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > Spp: Species (4-letter abbreviation: SPOW, GHOW)
- > Wind:
 0 = < 1 mph: Smoke rises straight up
 1 = 1-3 mph: Smoke drifts
 2 = 4-7 mph: wind felt on face, leaves rustle
 3 = 8-12 mph: Leaves/small twigs in constant motion
 4 = 13-18 mph: Raises dust, moves small branches
 5 = 19-24 mph: Small trees in leaf sway
 6 = > 24 mph: Large trees in leaf sway
DO NOT CALL IF WIND > 3!!!
- > Cloud: 0-100%, estimate to nearest 10% cloud cover

- > PPT: Precipitation
 0 = None
 1 = fog
 2 = light rain
 3 = heavy rain
 4 = light snow
 5 = heavy snow
- > UTM:
 E: Easting, should be 6 digits
 N: Northing, should be 7 digits
 Estimate to nearest 10 meters!
- > Don't forget to attach map with calling locations and any raptor locations labeled!

Mexican Spotted Owl Inventory Form

Inventory Area Dolores River Canyon Crossing Date 06/29/14 Page 1 of 1
 Management Unit (e.g., Forest) San Juan Nat Forest District _____ Quad Map Name(s) _____
 Survey Type: Nighttime X Daytime _____ Survey # 4 Complete Survey? yes
 Outing # 1 Aborted? _____ Results _____ % Area Surveyed _____
 Observers GD Company / Agency Dunmire Consulting/ERO/Tristate

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response														
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM				
												1 st	2 nd	Wind	Cloud	PPT	E	N			
2	CP	20:59	21:19	20	V	Yes										0	10%	0			
1	CP	21:34	21:54	20	V	Yes										0	10%	0			

- > **Date:** Should be in MM/DD/YY format
- > **Outing #:** For cases where it takes multiple outings to complete the survey
- > **Call Point:** Label point on map and reference it here
- > **Survey Method:**
 CP = Call Point
 CC = Continuous Calling Route
 LF = Leap Frog Method
- > **Time - Start/End:** Should be in military time (0900 - 1300)
- > **Call Method:** V = Vocal or R = Recorded calls: Should primarily be Vocal
- > **Raptor Response A/V:** A = Audio or V = Visual location
- > **Sex:** M, F, U
- > **Age:** J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > **Spp:** Species (4-letter abbreviation: SPOW, GHOW)
- > **Wind:**
 0 = < 1 mph: Smoke rises straight up
 1 = 1-3 mph: Smoke drifts
 2 = 4-7 mph: wind felt on face, leaves rustle
 3 = 8-12 mph: Leaves/small twigs in constant motion
 4 = 13-18 mph: Raises dust, moves small branches
 5 = 19-24 mph: Small trees in leaf sway
 6 = > 24 mph: Large trees in leaf sway
DO NOT CALL IF WIND > 3!!!
- > **Cloud:** 0-100%, estimate to nearest 10% cloud cover
- > **PPT:** Precipitation
 0 = None
 1 = fog
 2 = light rain
 3 = heavy rain
 4 = light snow
 5 = heavy snow
- > **UTM:**
 E: Easting, should be 6 digits
 N: Northing, should be 7 digits
 Estimate to nearest 10 meters!
- > **Don't forget to attach map with calling locations and any raptor locations labeled!**

Mexican Spotted Owl Inventory Form

Inventory Area DOLORES RIVER CANYON CROSSING Date 5 / 7 / 2014 Page 1 of 1
 Management Unit (e.g., Forest) VSES SAN JUAN, BLVD District TRES RIOS, SAN JUAN Quad Map Name(s) (SOUTH & WEST CANYON BLMS)
 Survey Type: Nighttime Daytime Survey # 1 Complete Survey?
 Outing # 1 Aborted? Results 4 Flow, 1 Ghow, No M20 % Area Surveyed 100%
 Observers A. PETER J. G. DUNNIRE Company / Agency ESA RESOURCES

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response											
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather			UTM (12 5)	
												1 st	2 nd	Wind	Cloud	PPT	E	N
1	CP	20:06	20:26	20	✓	Y	A	-	A	GHOW	20:06	190°, 500m	-	2	80	-	699340	4177550
2	N	21:17	21:37	20	✓	Y	A	-	A	Flow	21:27	75°, 1500m	-	2	90	-	699285	4178770
	S	21:39	21:59				A	-	A	Flow	21:59	75°, 1500m	-	2	90	-		
3	CP	22:42	23:02	20	✓	Y	A	-	A	Flow	22:45	115°, 1500m	-	1	100	-	699485	4179932
4	CP	23:58	00:18	20	✓	Y	-	-	-	-	-	-	-	3	20	-	699151	4180702
5	CP	23:29	23:51	22	✓	Y	-	-	-	-	-	-	-	2	50	-	699228	4180609
6	CP	01:01	01:22	21	✓	N	-	-	-	-	-	-	-	2	100	-	698358	4180873
7	CP	01:48	02:08	20	✓	N	A	-	A	Flow	01:50	180°, 400m	-	3	100	-	698018	4181641
8	CP	03:05	03:25	20	✓	N	A	-	A	Flow	03:18	40°, 1500m	-	2	100	T*	697560	4182026

- > **Date:** Should be in MM/DD/YY format
- > **Outing #:** For cases where it takes multiple outings to complete the survey
- > **Call Point:** Label point on map and reference it here
- > **Survey Method:**
 - CP = Call Point
 - CC = Continuous Calling Route
 - LF = Leap Frog Method
- > **Time - Start/End:** Should be in military time (0900 - 1300)
- > **Call Method:** V = Vocal or R = Recorded calls: Should primarily be Vocal.
- > **Raptor Response A/V:** A = Audio or V = Visual location
- > **Sex:** M, F, U

- > **Age:** J = Juvenile, S = Sub-Adult (Requires visual observation), A = Adult
- > **Spp:** Species (4-letter abbreviation: SPOW, GHOW)
- > **Wind:**
 - 0 = < 1 mph: Smoke rises straight up
 - 1 = 1-3 mph: Smoke drifts
 - 2 = 4-7 mph: wind felt on face, leaves rustle
 - 3 = 8-12 mph: Leaves/small twigs in constant motion
 - 4 = 13-18 mph: Raises dust, moves small branches
 - 5 = 19-24 mph: Small trees in leaf sway
 - 6 = > 24 mph: Large trees in leaf sway
- > **DO NOT CALL IF WIND > 3!!!**
- > **Cloud:** 0-100%, estimate to nearest 10% cloud cover

- > **PPT:** Precipitation **T = TRACE FLURRIES**
 - 0 = None
 - 1 = fog
 - 2 = light rain
 - 3 = heavy rain
 - 4 = light snow
 - 5 = heavy snow
- > **UTM:**
 - E: Easting, should be 6 digits
 - N: Northing, should be 7 digits
 - Estimate to nearest 10 meters!
- > **Don't forget to attach map with calling locations and any raptor locations labeled!**

Mexican Spotted Owl Inventory Form

Inventory Area DOLOPES RIVER CANYON CROSSING Date 5 / 8 / 2014 Page 1 of 1
 Management Unit (e.g., Forest) UCES/BLM District SAN JUAN, TRIPLES RIOS Quad Map Name(s) (DOLOPES CANYON RIVER)
 Survey Type: Nighttime Daytime Survey # 1 Complete Survey?
 Outing # 1 Aborted? Results Flow + Ghow, No WSO % Area Surveyed
 Observers A. PERRY, G. DUDMIRE Company / Agency ERO RESOURCES

Call Point	Survey Method	Time			Call Meth	Moon Vis?	Raptor Response												
		Start	End	Total			A/V	Sex	Age	Spp	Time	Bearing		Weather <i>Fill out for all calling locations</i>			UTM		
												1 st	2 nd	Wind	Cloud	PPT	E	N	
9	CP	21:01	21:21	20	V	Y	A	-	A	Ghow Flow	21:04, 21:07 21:04, 21:11	190°, 1000ft 180°, 900ft	210°, 1500ft 230°, 1000ft	2	70%	-	699687	4182217	
10	CP	21:40	22:00	20	V	Y	A	-	A	Ghow Flow	21:42 21:42, 21:45	210°, 1500ft 180°, 900ft	230°, 1000ft 360°, 500ft	1	30%	-	699542	4183338	
11	CP	23:27	23:47	20	V	Y	A	-	A	Flow	23:27	310°, 300ft		1	0%	-	698726	4183443	

- > **Date:** Should be in MM/DD/YY format
- > **Outing #:** For cases where it takes multiple outings to complete the survey
- > **Call Point:** Label point on map and reference it here
- > **Survey Method:**
 CP = Call Point
 CC = Continuous Calling Route
 LF = Leap Frog Method
- > **Time - Start/End:** Should be in military time (0900 - 1300)
- > **Call Method:** V = Vocal or R = Recorded calls. Should primarily be Vocal
- > **Raptor Response A/V:** A = Audio or V = Visual location
- > **Sex:** M, F, U

- > **Age:** J = Juvenile; S = Sub-Adult (Requires visual observation); A = Adult
- > **Spp:** Species (4-letter abbreviation: SPOW, GHOW)
- > **Wind:**
 0 = < 1 mph: Smoke rises straight up
 1 = 1-3 mph: Smoke drifts
 2 = 4-7 mph: wind felt on face, leaves rustle
 3 = 8-12 mph: Leaves/small twigs in constant motion
 4 = 13-18 mph: Raises dust, moves small branches
 5 = 19-24 mph: Small trees in leaf sway
 6 = > 24 mph: Large trees in leaf sway
DO NOT CALL IF WIND > 3!!!
- > **Cloud:** 0-100%, estimate to nearest 10% cloud cover

- > **PPT:** Precipitation
 0 = None
 1 = fog
 2 = light rain
 3 = heavy rain
 4 = light snow
 5 = heavy snow
- > **UTM:**
 E: Easting, should be 6 digits
 N: Northing, should be 7 digits
 Estimate to nearest 10 meters!
- > **Don't forget to attach map with calling locations and any raptor locations labeled!**