

Appendix 4. Example of a Completed Willow Flycatcher Survey and Detection Form (with map)

Willow Flycatcher (WIFL) Survey and Detection Form (revised April, 2010)

Site Name: DL-08 State: New Mexico County: Socorro
 USGS Quad Name: Paraje Well Elevation: 1,356 (meters)
 Creek, River, or Lake Name: Rio Grande
Is copy of USGS map marked with survey area and WIFL sightings attached (as required)? Yes X No
 Survey Coordinates: Start: E 306,009 N 3,715,506 UTM Datum: NAD 83 (See instructions)
 Stop: E 304,339 N 3,711,922 UTM Zone: 13

If survey coordinates changed between visits, enter coordinates for each survey in comments section on back of this page.

****Fill in additional site information on back of this page****

Survey # Observer(s) (Full Name)	Date (m/d/y) Survey Time	Number of Adult WIFLs	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N If Yes, number of nests	Comments (e.g., bird behavior; evidence of pairs or breeding; potential threats [livestock, cowbirds, <i>Diorhabda</i> spp.]). If <i>Diorhabda</i> found, contact USFWS and State WIFL coordinator.	GPS Coordinates for WIFL Detections (this is an optional column for documenting individuals, pairs, or groups of birds found on each survey). Include additional sheets if necessary.			
							# Birds	Sex	UTM E	UTM N
Survey # 1 Observer(s): D. Savage	Date: 5/24/2009 Start: 5:45 Stop: 10:15 Total hrs: 4.5	5	0	5	N	Suitable breeding habitat dispersed throughout site. WIFLs were very vocal, and covering large areas. No obvious signs of pairing were observed. Approximately 10 head of cattle were found within this site.	1	M	305,276	3,714,926
							1	M	305,131	3,714,628
							1	M	305,191	3,714,778
							1	M	305,394	3,715,009
							1	M	305,084	3,714,732
Survey # 2 Observer(s): S. Kennedy	Date: 6/10/2009 Start: 6:00 Stop: 10:15 Total hrs: 4.3	11	4	7	Y (3)	Portions of site are flooded, 1-2 ft deep. Two males found during 1st survey appear unpaired. Three pairs confirmed based on nesting, and another pair suspected based on vocal interactions and nonaggressive behavior with another flycatcher. Two additional territories (1 pair and 1 unpaired male) found during this survey.	1	M	305,276	3,714,926
							1	M	305,131	3,714,628
							2	M/F	305,191	3,714,778
							2	M/F	305,394	3,715,009
							2	M/F	305,084	3,714,732
							2	M/F	305,001	3,714,640
							1	M	305,010	3,714,524
Survey # 3 Observer(s): S. Kennedy	Date: 6/21/2009 Start: 5:30 Stop: 10:00 Total hrs: 4.5	12	5	7	Y (4)	Portions of site still flooded. All territories found in Survey 2 are still active. The two males found during Surveys #1 and #2, still believed to be unpaired. All other territories are believed to be paired. Several cows observed in vicinity of active territories.	1	M	305,276	3,714,926
							1	M	305,131	3,714,628
							2	M/F	305,191	3,714,778
							2	M/F	305,394	3,715,009
							2	M/F	305,084	3,714,732
							2	M/F	305,001	3,714,640
							2	M/F	305,010	3,714,524
Survey # 4 Observer(s): D. Moore	Date: 7/1/2009 Start: 6:00 Stop: 10:00 Total hrs: 4.0	12	5	7	Y (4)	Site is no longer flooded, but saturated soils persist throughout most of site. No change in territory numbers or status. All SWFL pairs very quiet - only a few whiffs and fits-bows. Light rain over night, vegetation was saturated early in the morning. Lots of mosquitos!	1	M	305,276	3,714,926
							1	M	305,131	3,714,628
							2	M/F	305,191	3,714,778
							2	M/F	305,394	3,715,009
							2	M/F	305,084	3,714,732
							2	M/F	305,001	3,714,640
							2	M/F	305,010	3,714,524
Survey # 5 Observer(s): D. Moore	Date: 7/10/2009 Start: 5:30 Stop: 10:00 Total hrs: 4.5	11	5	6	Y (4)	Site beginning to dry out, some portions still muddy. One of the unpaired males could not be detected. It was hard to hear SWFLs due to breezy conditions early in the morning.	1	M	305,131	3,714,628
							2	M/F	305,191	3,714,778
							2	M/F	305,394	3,715,009
							2	M/F	305,084	3,714,732
							2	M/F	305,001	3,714,640
							2	M/F	305,010	3,714,524
Overall Site Summary Totals do not equal the sum of each column. Include only resident adults. Do not include migrants, nestlings, and fledglings. Be careful not to double count individuals. Total survey hrs: 21.8		Total Adult Residents 12	Total Pairs 5	Total Territories 7	Total Nests 4	Were any WIFLs color-banded? Yes <u> </u> No <u>X</u> If yes, report color combination(s) in the comments section on back of form and report to USFWS.				

Reporting Individual: Darrell Ahlers Date Report Completed: 8/20/2009
 US Fish & Wildlife Service Permit #: TE819475-2 State Wildlife Agency Permit #: N/A

Submit form to USFWS and State Wildlife Agency by September 1st. Retain a copy for your records.

Fill in the following information completely. Submit form by September 1st. Retain a copy for your records.

Reporting Individual Darrell Ahlers Phone # (303) 445-2233
 Affiliation Bureau of Reclamation E-mail dahlers@usbr.gov
 Site Name DL-08 Date report Completed 8/20/2009
 Was this site surveyed in a previous year? Yes x No Unknown
 Did you verify that this site name is consistent with that used in previous yrs? Yes x No Not Applicable
 If name is different, what name(s) was used in the past? Not applicable
 If site was surveyed last year, did you survey the same general area this year? Yes x No If no, summarize below.
 Did you survey the same general area during each visit to this site this year? Yes x No If no, summarize below.
 Management Authority for Survey Area: Federal X Municipal/County State Tribal Private
 Name of Management Entity or Owner (e.g., Tonto National Forest) Bureau of Reclamation

Length of area surveyed: 2.5 (km)

Vegetation Characteristics: Check (only one) category that best describes the predominant tree/shrub foliar layer at this site:

- Native broadleaf plants (entirely or almost entirely, > 90% native)
X Mixed native and exotic plants (mostly native, 50 - 90% native)
 Mixed native and exotic plants (mostly exotic, 50 - 90% exotic)
 Exotic/introduced plants (entirely or almost entirely, > 90% exotic)

Identify the 2-3 predominant tree/shrub species in order of dominance. Use scientific name.

Salix Gooddingii, Populus spp., Tamarix spp.

Average height of canopy (Do not include a range): 6 (meters)

- Attach the following: 1) copy of USGS quad/topographical map (REQUIRED) of survey area, outlining survey site and location of WIFL detections;
 2) sketch or aerial photo showing site location, patch shape, survey route, location of any detected WIFLs or their nests;
 3) photos of the interior of the patch, exterior of the patch, and overall site. Describe any unique habitat features in Comments.

Comments (such as start and end coordinates of survey area if changed among surveys, supplemental visits to sites, unique habitat features).

Attach additional sheets if necessary.

Great habitat with saturated or flooded soils throughout most of the site on 1st survey. Site began to dry by the end of the breeding season. SWFL territories are dominated by Gooddings willow, however Tamarix spp. tends to be increasing in density compared to previous years. Site is supported by flows from the Low Flow Conveyance Channel.

Territory Summary Table. Provide the following information for each verified territory at your site.

Territory Number	All Dates Detected	UTM E	UTM N	Pair Confirmed? Y or N	Nest Found? Y or N	Description of How You Confirmed Territory and Breeding Status (e.g., vocalization type, pair interactions, nesting attempts, behavior)
1 (Unpaired male)	5/24, 6/10,6/21,7/1	305,276	3,714,926	N	N	extended presence at site from 5/24 through 7/1, no evidence of pairing
2 (Unpaired male)	5/24, 6/10,6/21,7/1, 7/10	305,131	3,714,628	N	N	extended presence at site from 5/24 through 7/10, no evidence of pairing
3 (Pair)	5/24, 6/10,6/21,7/1, 7/10	305,191	3,714,778	Y	Y	Pair confirmed based on vocalizations and observation of unchallenged WIFL
4 (Pair w/nest)	5/24, 6/10,6/21,7/1, 7/10	305,394	3,715,009	Y	Y	Confirmed breeding status with nest
5 (Pair w/nest)	5/24, 6/10,6/21,7/1, 7/10	305,084	3,714,732	Y	Y	Confirmed breeding status with nest
6 (Pair w/nest)	6/10,6/21,7/1, 7/10	305,001	3,714,640	Y	Y	Confirmed breeding status with nest
7 (Pair w/nest)	6/10,6/21,7/1, 7/10	305,010	3,714,524	Y	N	Confirmed breeding status with nest

Attach additional sheets if necessary

