

Appendix H. Data forms for Southwestern Willow Flycatcher surveys in areas managed by the Rio Grande National Forest.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Conejos Was site surveyed in previous year? Yes  No

If yes, what site name was used? N/A

County Conejos State CO USGS Quad Name Spectacle Lake

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No

Site Coordinates: Start: N 4110987 E 0375337 UTM  
 Stop: N 411257 E 0375065 UTM Zone 13S

Elevation 2669 feet / (meters) (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding number of nests, nest contents or number of fledges seen; potential threats)
<sup>1</sup> <u>Kathi Borjmann</u>	Date <u>6/31/03</u> start <u>0830</u> stop <u>1000</u> total hrs <u>1.5</u>	0	0	0	N	N	Y Pics tracks browse	Lots of DUFL's area heavily grazed. Willow + Alder in clumps grazed to base
<sup>2</sup> <u>WM Whit Markham</u>	Date <u>6/10/03</u> Start <u>0525</u> Stop <u>0640</u> total hrs <u>1.25</u>	∅	∅	∅	N	N	Y old pics	Burn area in center. Willows somewhat spread out. House @ west edge.
<sup>3</sup> <u>WM</u>	Date <u>7/8/03</u> Start <u>0600</u> Stop <u>0700</u> total hrs <u>1</u>	∅	∅	∅	N	N	Y horse grazing	No change since last visit except presence of 1 horse.
_____	Date start stop total hrs _____							
_____	Date start stop total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Total survey hrs <u>3.75</u>		∅	∅	∅	∅	If yes, report color combination(s) in the comments section on back of form		

Name of Reporting Individual Kathi Borjmann Date Report Completed 7/1/03

Appendix H. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-928-9785  
 Affiliation Hawks Aloft, Inc Email kborgmann@hawksaloft.org  
 Site Name Conejos  
 Did you verify that this site name is consistent with that used in previous years? Yes  No (circle one)  
*Not surveyed in previous years*  
 Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private  
 Name of Management Entity or Owner (e.g., Tonto National Forest) Rio Grande Nat'l Forest

Length of area surveyed: 0.4km (specify units, e.g., miles = mi, kilometers = km, meters = m)  
 Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.  
 If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.

*NA*

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):  
 Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)  Mixed native and exotic plants (mostly native)  
 Mixed native and exotic plants (mostly exotic)  Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Pussy Willow, Alder

Average height of canopy: 5.5 meters (specify units)  
*no overstory canopy*

Was surface water or saturated soil present at or adjacent to site? Yes No (circle one)  
 Distance from the site to surface water or saturated soil: — (specify units)  
*Conejos Flowing. Some areas of the site have standing H<sub>2</sub>O & saturated soils*  
 Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)  
 If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): BLM property (to fence) not on  
near Willow patches dry. Not very suitable habitat

2003 Southwestern Willow Flycatcher Annual Report

Appendix H. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name La Manga Creek Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA

County Conejos State CO USGS Quad Name Cumbres

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4105363 E 0375411 UTM  
 Stop: N 4105804 E 0377310 UTM Zone 13 S  
 Elevation 10,280 (feet) meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g. evidence of pairs or breeding number of nests, nest contents or number of fledges seen; potential threats)
1 <u>WM</u> <u>Whit</u> <u>Markham</u>	Date <u>5/31/03</u> start <u>0535</u> stop <u>0715</u> total hrs <u>1.75</u>	Ø	Ø	Ø	N	N	N	Wet place, no stiff patches of silt on ground. Most willow spruce and silt. A few good patches.
2 <u>WM</u>	Date <u>6/11/03</u> Start <u>0600</u> Stop <u>0815</u> total hrs <u>2.25</u>	Ø	Ø	Ø	N	N	N	Frost on ground lots of WIFLs
3 <u>WM</u>	Date <u>7/9</u> Start <u>0630</u> Stop <u>0900</u> total hrs <u>2.5</u>	Ø	Ø	Ø	N	N	N	Frost on ground Water level slightly lower in creek. No change since last visit.
_____	Date _____ start _____ stop _____ total hrs _____							
_____	Date _____ start _____ stop _____ total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="radio"/> No <input checked="" type="radio"/>		
Total survey hrs <u>6.5</u>		Ø	Ø	Ø	Ø	If yes, report color combination(s) in the comments section on back of form		

Name of Reporting Individual Kathi Borgmann Date Report Completed 7/11/03

Appendix H. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455

Affiliation Hawks Aloft, Inc Email kborgmann@hawksaloft.org

Site Name La Manga Creek 1

Did you verify that this site name is consistent with that used in previous years? Yes  No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Rio Grande Nat'l Forest

Length of area surveyed: ~2.3 km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes / No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Willow, Englemann Spruce, etc

Average height of canopy: 2.5 m (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes No (circle one)

Distance from the site to surface water or saturated soil: 2-3 m (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): Most willow still young. No flycatcher habitat

2003 Southwestern Willow Flycatcher Annual Report

Appendix H. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Wolf Creek Section 1 Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? N/A

County Conejos State CO USGS Quad Name Cumbres

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4097539 E 0370160 UTM  
 Stop: N 4097735 E 0370093 UTM Zone 13S  
 Elevation 2942 feet / meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding number of nests, nest contents or number of fledges seen; potential threats)
<u>Kathi Borjmann</u>	Date <u>5/31/03</u> start <u>0555</u> stop <u>0635</u> total hrs <u>40mins</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>Y</u> Pies	Medium density Willow + Alder approx. 3.5m tall total area ~ 1 ha Beaver activity
<u>2 W.M Whit Markham</u>	Date <u>6/10/03</u> Start <u>0710</u> Stop <u>0745</u> total hrs <u>25mins</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>Y</u> pies	Elk present
<u>3 W.M</u>	Date <u>7/18/03</u> Start <u>0720</u> Stop <u>0755</u> total hrs <u>35 mins</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>Y</u> pies	no change since last visit
_____	Date start stop total hrs _____							
_____	Date start stop total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input checked="" type="checkbox"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>17</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			

Name of Reporting Individual Kathi Borjmann Date Report Completed 7/11/03

Appendix H. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Boregmann Phone # 505-728-9455  
Affiliation Hawks Aloft, Inc Email Kboregmann@hawksaloft.org

Site Name Wolf Creek Section 1  
Did you verify that this site name is consistent with that used in previous years? Yes  No  (circle one)  
Not surveyed in previous years

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Rio Grande Nat'l Forest

Length of area surveyed: 0.2 Km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.  
NA

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Willow, Douglas Fir, Alder, Engelmann's Spruce

Average height of canopy: 3.5m tall (Willow) (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one)

Distance from the site to surface water or saturated soil: \_\_\_\_\_ (specify units)

Water flowing in creek with some back ponding  
Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No  (circle one)  
If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): Thick with Willow  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2003 Southwestern Willow Flycatcher Annual Report

Appendix H. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Wolf Creek Section 2 Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA

County Conchos State CO USGS Quad Name Cumbres

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4097379 E 0370172 UTM  
 Stop: N 4097395 E 0370075 UTM Zone 13S  
 Elevation 2951 feet / meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding number of nests, nest contents or number of fledges seen; potential threats)
<sup>1</sup> Kathi Borjmann	Date 5/31/03 start 0645 stop 0708 total hrs 23 mins	0	0	0	N	N	N	Area dense with willow
<sup>2</sup> WM Whit Markham	Date 6/10/03 Start 0750 Stop 0815 total hrs 25 min	∅	∅	∅	N	N	N	no change... no WIFL present
<sup>3</sup> WM	Date 7/8/03 Start 0800 Stop 0830 total hrs 0.5	∅	∅	∅	N	N	N	no change. no WIFL present
_____	Date start stop total hrs _____							
_____	Date start stop total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>1.2</u>		∅	∅	∅	∅			

Name of Reporting Individual Kathi Borjmann Date Report Completed 7/11/03

Appendix H. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Boragmann Phone # 505-727-9455

Affiliation Hawks Aloft, Inc Email Kboragmann@hawksaloft.com

Site Name Wolf Creek Section 2

Did you verify that this site name is consistent with that used in previous years? Yes  No (circle one)

Not Surveyed in Previous Years

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) El Morano Nat'l Forest

Length of area surveyed: 0.1 km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.

NA

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Primarily Willow, some Alder

Average height of canopy: 4.0 meters (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one)

Distance from the site to surface water or saturated soil: - (specify units)

Creek flowing and soil saturated

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)

If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



2003 Southwestern Willow Flycatcher Annual Report

Appendix H. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Wolf Creek Section 3 Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA

County Conejos State CO USGS Quad Name Cumbres

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4097238 E 0370089 UTM  
 Stop: N 4097153 E 0370171 UTM Zone 13S  
 Elevation 2947 feet / meters (circle one)

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

Survey# Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding number of nests, nest contents or number of fledges seen; potential threats)
<sup>1</sup> <u>Kathi</u> <u>Boegman</u>	Date <u>5/31/03</u> start <u>0711</u> stop <u>0730</u> total hrs <u>19mins</u>	0	0	0	N	N	Y Pies	Small patch but fairly dense
<sup>2</sup> <u>WM</u> <u>Whit</u> <u>Markham</u>	Date <u>6/10/03</u> Start <u>0825</u> Stop <u>0900</u> total hrs <u>35mins</u>	∅	∅	∅	N	N	Y some pies	train tracks run through willow patch, narrow corridor
<sup>3</sup> <u>WM</u>	Date <u>7/18/03</u> Start <u>0835</u> Stop <u>0900</u> total hrs <u>25 mins</u>	∅	∅	∅	N	N	Y, some pies	no WIFL present no change.
_____	Date start stop total hrs _____							
_____	Date start stop total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>1.2</u>		∅	∅	∅	∅			

Name of Reporting Individual Kathi Boegman Date Report Completed 7/1/03

Appendix H. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455

Affiliation Hawks Aloft, Inc. Email kborgmann@hawksaloft.org

Site Name Wolf Creek Section 3

Did you verify that this site name is consistent with that used in previous years? Yes No (circle one)

Not surveyed in previous years

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Rio Grande Nat'l Forest

Length of area surveyed: 0.1 km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.  
NA

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Willow, Alder

Average height of canopy: 4.5 meters (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one)

Distance from the site to surface water or saturated soil: — (specify units)

Creek flowing and soil around Alder saturated

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)

If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): Area small, limited suitability

Appendix I. Data forms for Southwestern Willow Flycatcher surveys in areas managed by the Saguache Bureau of Land Management.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Four Mile Creek Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA  
 County Saguache Co State CO USGS Quad Name Grouse Creek  
 Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4215999 E 0364206 UTM  
 Stop: N 4216075 E 0364198 UTM Zone 13S  
 Elevation 8920 feet / meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1 <u>Godtbaum</u>	Date <u>5-30</u> start <u>6:00</u> stop <u>10:00</u> total hrs <u>4</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>Y</u>	<u>Y</u>	
2 <u>WM</u> <u>Whit</u> <u>Murkham</u>	Date <u>6/18</u> Start <u>06:50</u> Stop <u>09:20</u> total hrs <u>2.5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>Y</u>	<u>Y</u> <u>old</u> <u>pres</u>	not much sunlight in most suitable habitat. Cold temps. Creek running very low
3 <u>WM</u>	Date <u>7/2/03</u> Start <u>07:10</u> Stop <u>09:40</u> total hrs <u>2.5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>Y</u>	<u>Y</u> <u>old</u> <u>pres</u>	ground more dry. No other visible change.
	Date start stop total hrs							
	Date start stop total hrs							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>9</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			

Name of Reporting Individual Kathi Boramann Date Report Completed 7/11/03

Appendix I. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455

Affiliation Hawks Aloft, Inc Email kborgmann@hawksaloft.org

Site Name Four mile Creek

Did you verify that this site name is consistent with that used in previous years?  Yes No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Saguache BLM

Length of area surveyed: 4 miles (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes/No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.

NA

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Aspen, Willow, Spruce

Average height of canopy: 50 ft (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes No (circle one)

Distance from the site to surface water or saturated soil: 2 (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)  
If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): High altitude site. Very little water in creek. Not very suitable habitat.

Appendix I. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name La Garita Creek Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA  
 County Saguache State CO USGS Quad Name Twin Mountains SE  
 Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4185924 E 0387326 UTM  
 Stop: N 4185849 E 0387211 UTM Zone 13S  
 Elevation 7820  feet  meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
<u>Kepperson</u>	Date <u>5/28</u> start <u>6:15</u> stop <u>9:20</u> total hrs <u>3.2</u>	0	0	0	N	Y 10-15	Recent Sign Y	Beaver activity
<sup>2</sup> <u>WM</u> <u>Whit</u> <u>Markham</u>	Date <u>6/15/03</u> Start <u>0808</u> Stop <u>1000</u> total hrs <u>1.9</u>	0	0	0	N	Y many	Y pics	not much web but, sparse willows. Big gaps between brush patches
<sup>3</sup> <u>WM</u>	Date <u>7/1/03</u> Start <u>0710</u> Stop <u>0930</u> total hrs <u>2.3</u>	0	0	0	N	Y many	Y	Cows grazing all the way up to river. Only on east side of route
	Date start stop total hrs							
	Date start stop total hrs							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs	<u>7.4</u>	0	0	0	0			

Name of Reporting Individual Kathi Boromann Date Report Completed 7/1/03

Appendix I. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455

Affiliation Hawks Aloft, Inc Email kborgmann@hawksaloft.com

Site Name La Borita Creek

Did you verify that this site name is consistent with that used in previous years?  Yes  No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Saguache BLM

Length of area surveyed: 1.3 miles (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes  No  If no, summarize in comments below.  
Not surveyed last year

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):  
 Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)  
 Mixed native and exotic plants (mostly native)  
 Mixed native and exotic plants (mostly exotic)  
 Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Alder, Willow

Average height of canopy: 4.5 m (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one) Present @ Beaver Pond  
Distance from the site to surface water or saturated soil: only at beaver pond (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No  (circle one)  
If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): Marginal habitat. Not much willow.  
Cows and cowboys present

d at fence

Appendix I. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Graveyard Gulch Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA

County Saguache State CO USGS Quad Name Graveyard Gulch

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4228743 E 0405677 UTM  
 Stop: N 4227971 E 0405508 UTM Zone 13S  
 Elevation 2643 feet / (meters) (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
<u>Kathi Boromann</u>	Date <u>5/30/03</u> start <u>0622</u> stop <u>0652</u> total hrs <u>0.5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>Y</u> tracks + Pies	<u>No suitable habitat one group of willow twigs, 1.75m tall very little water</u>
<u>2 WM Whit Markham</u>	Date <u>6/1/03</u> Start <u>0705</u> Stop <u>0730</u> total hrs <u>0.5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>Y</u> tracks	<u>no change</u>
<u>3 WM</u>	Date <u>7/4</u> Start <u>0828</u> Stop <u>0845</u> total hrs <u>0.25</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>Y</u> tracks	<u>very little H2O in creek, only in sections</u>
_____	Date start stop total hrs _____							
_____	Date start stop total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>1.25</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>			

Name of Reporting Individual Kathi Boromann Date Report Completed 7/11/03

Appendix I. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455  
Affiliation Hawks Aloft, Inc Email KBorgmann@hawksaloft.org

Site Name Graveyard Gulch

Did you verify that this site name is consistent with that used in previous years?  Yes  No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Saguache BLM

Length of area surveyed: 0.9 km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes/No If no, summarize in comments below.

NA

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Gooseberry, big sagebrush, juniper

Average height of canopy: 15 meters (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one)  
Distance from the site to surface water or saturated soil: See Comment (specify units) Small amount of water ~0.15 km from site. Water intermittent

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)  
If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): no willow patches. High elevation.  
little water.



2003 Southwestern Willow Flycatcher Annual Report

Appendix I. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Graveyard Gulch Eastern Fork Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA

County Saguache State CO USGS Quad Name Graveyard Gulch

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4227920 E 0406115 UTM  
 Stop: N 4229151 E 0406262 UTM Zone 13S  
 Elevation 2650 feet / (circle one) meters

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
<sup>1</sup> <u>Kathi Boramann</u>	Date <u>5/2/03</u> start <u>0705</u> stop <u>0747</u> total hrs <u>0.75</u>	0	0	0	N	(1)	Y Tracks + Pics	NO Suitable habitat 2 groups of ~7 willows 2.5 m tall intermittent water
<sup>2</sup> <u>WM Whit Markham</u>	Date <u>6/19/03</u> Start <u>0545</u> Stop <u>0610</u> total hrs <u>~0.5</u>	0	0	0	N	N	Y old pics	No Suitable habitat. No H <sub>2</sub> O in creek
<sup>3</sup> <u>WM</u>	Date <u>7/4</u> Start <u>0750</u> Stop <u>0810</u> total hrs <u>20 min</u>	0	0	0	N	N	Y	no change. Ground very dry.
_____	Date start stop total hrs _____							
_____	Date start stop total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>1.65</u>		0	0	0	0			

Name of Reporting Individual Kathi Boramann Date Report Completed 7/1/03

Appendix I. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-821-9455  
Affiliation Hawks Aloft, Inc Email kborgmann@hawksaloft.org

Site Name Gravyard Gulch Eastern Fork  
Did you verify that this site name is consistent with that used in previous years? Yes No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Saguache BLM

Length of area surveyed: 1.6 Km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes/No If no, summarize in comments below.

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):  
 Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)  Mixed native and exotic plants (mostly native)  
 Mixed native and exotic plants (mostly exotic)  Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Gooseberry, Aspen, Juniper, Rabbit brush, Ponderosa Pine  
Average height of canopy: 15-20 m (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one) intermittent surface water in creek bed  
Distance from the site to surface water or saturated soil: See comment (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)  
If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): No suitable habitat

Appendix I. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Graveyard Gulch Western Fork Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA

County Saguache State CO USGS Quad Name Graveyard Gulch

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4228338 E 0404861 UTM  
 Stop: N 4227968 E 0404888 UTM Zone 13S  
 Elevation 2655 feet / meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding number of nests, nest contents or number of fledges seen; potential threats)
<sup>1</sup> <u>Kathi Boragmann</u>	Date <u>5/30/03</u> start <u>0816</u> stop <u>0829</u> total hrs <u>0.25</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>N</u>	<u>Y</u> tracks + Pies	<u>No suitable habitat No willows No water in creek</u>
<sup>2</sup> <u>WM Whit Markham</u>	Date <u>6/19/03</u> Start <u>0623</u> Stop <u>0650</u> total hrs <u>~.6</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>N</u>	<u>N</u>	<u>Y,</u> tracks	<u>no change</u>
<sup>3</sup> <u>WM</u>	Date <u>7/4</u> Start <u>8:55</u> Stop <u>0920</u> total hrs <u>0.5</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>N</u>	<u>N</u>	<u>Y</u> tracks	<u>no change. very dry ground.</u>
_____	Date start stop total hrs							
_____	Date start stop total hrs							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>1.35</u>		<u>Ø</u>	<u>Ø</u>	<u>Ø</u>	<u>Ø</u>			

Name of Reporting Individual Kathi Boragmann Date Report Completed 7/11/03

Appendix I. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Bergmann Phone # 505-828-9455

Affiliation Hawks Aloft, Inc Email Kbergmann@hawksaloft.com

Site Name Graveyard Gulch Western Fork

Did you verify that this site name is consistent with that used in previous years? Yes No (circle one) NA

Management Authority for Survey Area (circle one): Federal Municipal/County State Tribal Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Saguache BLM

Length of area surveyed: 0.45 km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year? Yes/No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes/No If no, summarize in comments below.

NA

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Gooseberry, Ponderosa Pine

Average height of canopy: 20 meters (specify units)

Was surface water or saturated soil present at or adjacent to site? Yes No (circle one)

Distance from the site to surface water or saturated soil: No H<sub>2</sub>O (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes No (circle one)

If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): No Suitable habitat

Appendix I. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Pass Creek East Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? N/A

County Saguache State CO USGS Quad Name Trickle Mountain  
NORTH PASS

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No

Site Coordinates: Start: N 4225483 E 0371747 UTM  
 Stop: N 4226838 E 0370100 UTM Zone 13S

Elevation 8500-8700  feet  meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding number of nests, nest contents or number of fledges seen; potential threats)
1 WM Whit Markham	Date 5/30/03 start 600 stop 800 total hrs 2	Ø	Ø	Ø	N	Y	Y, old pies	Very little habitat Willow patches spread out, little water
2 WM	Date 6/17 Start 0535 Stop 0650 total hrs 1.25	Ø	Ø	Ø	N	Y	Y, old pies	no change.
3 WM	Date 7/5 Start 0610 Stop 0730 total hrs 1.3hrs	Ø	Ø	Ø	N	N	Y	Frost on the ground. The valley stays cool until at least 8 am.
	Date start stop total hrs							
	Date start stop total hrs							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs	4.55	Ø	Ø	Ø	Ø			

Name of Reporting Individual \_\_\_\_\_ Date Report Completed 7/11/03

Appendix I. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455  
Affiliation Hawks Aloft, Inc Email kborgmann@hotmail.com

Site Name Pass Creek East  
Did you verify that this site name is consistent with that used in previous years? Yes No (circle one)

Management Authority for Survey Area (circle one): NA  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Saguache BLM

Length of area surveyed: ~1.5 km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes / No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: willow, rabbitbrush, cattail

Average height of canopy: 3.5 m (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes No (circle one)

Distance from the site to surface water or saturated soil: ~1 m (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)?  Yes No (circle one)  
If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): Creek is not running. Standing water observed at first visit dried before returning for 2nd and 3rd surveys.

2003 Southwestern Willow Flycatcher Annual Report

Appendix I. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Pass Creek West Was site surveyed in previous year? Yes  No

If yes, what site name was used? NA

County Saguache State CO USGS Quad Name Trickle Mountain

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No

Site Coordinates: Start: N 4227282 E 0369592 UTM  
 Stop: N 4228212 E 0366270 UTM Zone 13S

Elevation 8700-9200 (8700) meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding number of nests, nest contents or number of fledges seen; potential threats)
1 <u>PC</u> <u>Pam</u> <u>Clark</u>	Date <u>5-30-03</u> start <u>5:45</u> stop <u>8:00</u> total hrs <u>2.25</u>	0	0	0	1	Y	Y (couple) tracks	good fisher habitat - only a few larger strands of willow - standing water.
2 <u>WM</u> <u>Whit</u> <u>Markham</u>	Date <u>6/1/03</u> Start <u>06:55</u> Stop <u>09:00</u> total hrs <u>2.5</u>	0	0	0	N	Y	Y old pics	No change since last visit. Willow patches very thin. Very little water in creek.
3 <u>WM</u>	Date <u>7/3</u> Start <u>06:20</u> Stop <u>09:00</u> total hrs <u>2.5</u>	0	0	0	N	Y	Y old pics	very very little water in creek.
_____	Date start stop total hrs _____							
_____	Date start stop total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="radio"/> No <input checked="" type="radio"/>		
Total survey hrs <u>7.25</u>		0	0	0	0	If yes, report color combination(s) in the comments section on back of form		

Name of Reporting Individual Kathi Borgmann Date Report Completed 7/11/03

Appendix I. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455

Affiliation Hawks Aloft, Inc Email kborgmann@hawksalof.org

Site Name Pass Creek

Did you verify that this site name is consistent with that used in previous years?  Yes No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Saguache BLM

Length of area surveyed: 2.0 mi (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.  
N/A

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Willow, aspen, rabbit brush, gooseberry

Average height of canopy: 7-8 m (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one)

Distance from the site to surface water or saturated soil: — (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)?  Yes  No (circle one)  
If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): Although creek was relatively dry at first visit it contained even less water with each visit.



2003 Southwestern Willow Flycatcher Annual Report

Appendix I. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Saguache Creek Was site surveyed in previous year? Yes  No   
 If yes, what site name was used? NA

County Saguache State CO USGS Quad Name LAKE MOUNTAIN NE

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
 Site Coordinates: Start: N 4223449 E 0387667 UTM  
 Stop: N 4223229 E 0387975 UTM Zone 13S  
 Elevation 2450 feet / meters (circle one)

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

Survey# Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1 <u>PC</u> <u>WM</u> <u>Pam Clark</u> <u>Whit Markham</u>	Date <u>5-30-03</u> start <u>9:15</u> stop <u>9:45</u> total hrs <u>1/2</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>0</u>	<u>Y</u>	<u>Y</u> but from previous year	WIFL in small strand on E. side river - possible migrant.
2 <u>WM</u>	Date <u>6/17</u> Start <u>0740</u> Stop <u>0815</u> total hrs <u>35 min</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>Y</u>	<u>Y</u> old pies	WIFL not in previous place. Last sighting probably a migrant
3 <u>WM</u>	Date <u>7/5</u> Start <u>0745</u> Stop <u>0815</u> total hrs <u>0.5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>Y</u>	<u>Y</u> old pies	no change since last visit. Ground drier.
_____	Date _____ start _____ stop _____ total hrs _____							
_____	Date _____ start _____ stop _____ total hrs _____							
Overall Site Summary (Total only resident WIFLs)		Adults <u>0</u>	Pairs <u>0</u>	Territories <u>0</u>	Nests <u>0</u>	Were any WIFLs color-banded? Yes <input type="radio"/> No <input checked="" type="radio"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>1.5</u>								

Name of Reporting Individual Kathi Borgmann Date Report Completed 7/11/03

Appendix I. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455  
 Affiliation Hawks Aloft Email kborgmann@hawksaloft.org

Site Name Saguache Creek  
 Did you verify that this site name is consistent with that used in previous years?  Yes  No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Saguache BLM

Length of area surveyed: .3 km (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.  
N/A

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):  
 Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)  Mixed native and exotic plants (mostly native)  
 Mixed native and exotic plants (mostly exotic)  Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: willow, cottonwood, grasses

Average height of canopy: 3-4 meters (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one) a bit  
 Distance from the site to surface water or saturated soil: 250 m (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)?  Yes  No (circle one)  
 If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): WIFL #1 135 0387971 4223337 ->  
east end of banding.

Visible standing water at first visit. Became drier through  
season. Ground very dry at last check.  
Only WIFL found was probably a passing migrant.

Appendix J. Universal Transverse Mercator coordinates and numbers of Willow Flycatchers detected during survey periods one, two, and three at Saguache Creek.

Site	Survey period	Number detected	Easting <sup>1</sup>	Northing <sup>1</sup>
Saguache Creek	1	1	387971	4223337

Appendix K. Universal Transverse Mercator coordinates and numbers of Willow Flycatchers detected during survey periods one, two, and three in areas managed by the U.S. Fish and Wildlife Service.

Site	Survey period	Number detected	Easting <sup>1</sup>	Northing <sup>1</sup>		
Alamosa National Wildlife Refuge South	1	2	429400	4143220		
		1	429381	4143075		
		2	429830	4142753		
		3	430193	4142690		
		1	430433	4142543		
		1	430954	4142016		
		2	432002	4136902		
		1	431733	4136722		
		1	432414	4135435		
		1	432551	4135158		
		1	432510	4134995		
		Alamosa National Wildlife Refuge South	2	1	430819	4138439
				1	430915	4138337
				2	431144	4137515
				2	431080	4137435
1	431461			4137499		
2	431438			4137175		
1	432019			4136930		
1	431862			4136779		
1	431720			4136728		
1	431918			4136037		
1	431995			4135970		
1	432409			4135407		
1	432412			4135084		
2	430294			4142666		
1	430213			4142740		
Alamosa National Wildlife Refuge South	3	1	429691	4142858		
		1	429737	4142835		
		1	429704	4142865		
		2	430297	4142674		
		1	430983	4141859		
		1	430800	4138456		
		1	429795	4142800		
		1	430853	4138426		
		1	430923	4138291		
		1	431179	4137652		
		2	431137	4137496		
		1	431078	4137427		
		1	431408	4137604		
		1	431467	4137508		
		1	431441	4137175		

Appendix K. Cont.

Site	Survey period	Number detected	Easting <sup>1</sup>	Northing <sup>1</sup>
Alamosa National Wildlife Refuge South	3	1	431931	4137176
		2	431803	4136745
		1	431749	4136732
		1	431685	4136455
		1	431927	4135951
		1	432421	4135387
		2	432396	4135087
		Lil' Pop	1	1

<sup>1</sup>All UTM coordinates (easting, northing) in zone 13S NAD 27.

Appendix. L. Data forms for Southwestern Willow Flycatcher surveys in areas managed by the U.S. Fish and Wildlife Service.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Alamosa NWR South Was site surveyed in previous year?  Yes  No  
 If yes, what site name was used? Alamosa NWR South

County Alamosa; Conejos State CO USGS Quad Name Alamosa East, Pikes Stockade

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No  
*La Sauses*

Site Coordinates: Start: N 4143815 E 0428949 UTM  
 Stop: N 4134044 E 0432870 UTM Zone 13S

Elevation 7500 ~~feet~~ meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
<u>K. Borgmann</u>	Date <u>5/29/03</u> start <u>5:36</u> stop <u>9:40</u> total hrs <u>4:04</u>	<u>15</u>	<u>?</u>	<u>4</u>	<u>N</u>	<u>Y</u> <u>20+</u>	<u>Y</u>	<u>see attached</u>
<u>2 WM</u> <u>Whit</u> <u>Markham</u>	Date <u>6/21/03</u> Start <u>5:50</u> Stop <u>10:00</u> total hrs <u>4:15</u>	<u>21</u>	<u>4</u>	<u>17</u>	<u>N</u>	<u>Y</u> <u>many</u>	<u>Y</u> <u>nearby old pres</u>	<u>many WIFLs found on other side of river. Most habitat near northernmost. Probably more WIFL there.</u>
<u>3 WM</u>	Date <u>6/30/03</u> Start <u>0530</u> Stop <u>0935</u> total hrs <u>4</u>	<u>24</u>	<u>4</u>	<u>20</u>	<u>N</u>	<u>Y</u> <u>many</u>	<u>Y</u> <u>old pres</u>	<u>WIFLs found in same areas. Pairs also in same areas. Willow patches slightly dryer.</u>
	Date start stop total hrs							
	Date start stop total hrs							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input checked="" type="radio"/> No <input type="radio"/> If yes, report color combination(s) in the comments section on back of form		
Total survey hrs <u>12.15</u>		<u>24</u>	<u>4</u>	<u>20</u>	<u>0</u>			

Name of Reporting Individual Kathi Borgmann Date Report Completed 7/11/03

Appendix L. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-828-9455  
Affiliation Hawks Aloft Email kborgmann@hawksaloft.org

Site Name Alamosa NWR South  
Did you verify that this site name is consistent with that used in previous years?  Yes  No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Alamosa National Wildlife Refuge

Length of area surveyed: 9 miles (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year?  Yes  No If no, summarize in comments below.

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):  
 Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)  Mixed native and exotic plants (mostly native)  
 Mixed native and exotic plants (mostly exotic)  Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: Cottonwood Willow rabbit brush

Average height of canopy: 3.5 m (specify units)

Was surface water or saturated soil present at or adjacent to site? Yes  No (circle one)  
Distance from the site to surface water or saturated soil: \_\_\_\_\_ (specify units)

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)  
If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): Site is dry land surrounding the Rio Grande. Vast majority of habitat is found on West side of river, which may be private land.

See Attached IATM c

Appendix L. Cont.

Willow Flycatcher Survey and Detection Form (rev. 4/98)

Site Name Lil' Pop Was site surveyed in previous year? Yes  No

If yes, what site name was used? NA

County Alamosa State CO USGS Quad Name Alamosa East

Is copy of USGS map marked with survey area and WIFL sightings attached (as required)?  Yes  No

Site Coordinates: Start: N 4142584 E 1427415 UTM  
 Stop: N 4146714 E 1424736 UTM Zone 13 S  
 Elevation 7566 (60) / meters (circle one)

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

Survey # Observer(s)	Date (m/d/y) Survey time	Number of WIFLs Found	Estimated Number of Pairs	Estimated Number of Territories	Nest(s) Found? Y or N	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign Y or N	Comments about this survey (e.g., evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
<u>Pam Clark</u>	Date <u>5-31-03</u> start <u>5:45</u> stop <u>9:30</u> total hrs <u>3 3/4</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>N</u>	<u>Y</u>	<u>Y</u> <i>bones, compses, heavy grass</i>	Most of the willows are not dense and have no water - may be future habitat. Area Southeast of dam is good habitat.
<u>2 WM Whit Markham</u>	Date <u>6/20/03</u> Start <u>0515</u> Stop <u>0920</u> total hrs <u>3.5</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>Y</u>	<u>Y</u> <i>vineyard</i>	no WIFL in previous sighting area. Willow patches relatively dry.
<u>3 WM</u>	Date <u>6/27/03</u> Start <u>0540</u> Stop <u>0855</u> total hrs <u>3.15</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>N</u>	<u>Y</u>	<u>Y</u>	no change.. willow patches quite dry. Rio running much lower
	Date start stop total hrs							
	Date start stop total hrs							
Overall Site Summary (Total only resident WIFLs)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Total survey hrs <u>10.4</u>		<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	If yes, report color combination(s) in the comments section on back of form		

Name of Reporting Individual Kathi Borgmann Date Report Completed 7/11/03



Appendix L. Cont.

Fill in the following information completely. Submit original form. Retain copy for your records.

Name of Reporting Individual Kathi Borgmann Phone # 505-228-9455  
 Affiliation Hawks Aloft, Inc Email kborgmann@hawksaloft.org

Site Name Lil' Pop  
 Did you verify that this site name is consistent with that used in previous years?  Yes  No (circle one)

Management Authority for Survey Area (circle one):  Federal  Municipal/County  State  Tribal  Private

Name of Management Entity or Owner (e.g., Tonto National Forest) Alamogosa National Wildlife Refuge

Length of area surveyed: 6 miles (specify units, e.g., miles = mi, kilometers = km, meters = m)

Did you survey the same general area during each visit to this site this year?  Yes  No If no, summarize in comments below.

If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.  
N/A

Vegetation Characteristics: Overall, are the species in tree/shrub layer at this site comprised predominantly of (check one):

- Native broadleaf plants (entirely or almost entirely, includes high-elevation willow)
- Mixed native and exotic plants (mostly native)
- Mixed native and exotic plants (mostly exotic)
- Exotic/introduced plants (entirely or almost entirely)

Identify the 2-3 predominant tree/shrub species: willow, cottonwood Some areas are natural

Average height of canopy: 3-4 meters (specify units)

Was surface water or saturated soil present at or adjacent to site?  Yes  No (circle one) only in one area SE of the dam  
 Distance from the site to surface water or saturated soil: — (specify units) no distance if water present

Did hydrological conditions change significantly among visits (did the site flood or dry out)? Yes  No (circle one)  
 If yes, describe in comments section below.

Remember to attach a xerox copy of a USGS quad/topographical map (REQUIRED) of the survey area, noting the survey site and location of WIFL detections. You may also include a sketch or aerial photograph showing details of site location, patch shape, survey route in relation to patch, and location of any willow flycatchers or willow flycatcher nests detected. Such sketches or photographs are welcomed, but DO NOT substitute for the required USGS quad map.

Comments (attach additional sheets if necessary): WIFL #1 - band south of the dam -  
cross the dam - do not cross fence - continue southeast - lots of willow  
US 0425447 4146196 - responded to tape.

Area is quite overgrazed. Relatively poor habitat  
throughout route.