Appendix A

FIELD DATA FORMS

Willow Flycatcher Survey and Detection Form (revised April, 2004)

Site Name_____ State_____ County _____
USGS Quad Name _____ Elevation _____ feet / meters (circle one)

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

Site Coordinates: Start: N_____ E_____ UTM Datum_____ (NAD27 preferred)
Stop: N_____ E_____ UTM Zone _____

***** 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	Cowbirds Detected? Y or N	Presence of Livestock, Recent sign, If Yes, Describe Y or N	Comments about this survey (e.g., bird behavior, evidence of pairs or breeding, number of nests, nest contents or number of fledges seen; potential threats)
1_____	Date							
_____	Start							
_____	Stop							
_____	Total hrs ____							
2_____	Date							
_____	Start							
_____	Stop							
_____	Total hrs ____							
3_____	Date							
_____	Start							
_____	Stop							
_____	Total hrs ____							
4_____	Date							
_____	Start							
_____	Stop							
_____	Total hrs ____							
5_____	Date							
_____	Start							
_____	Stop							
_____	Total hrs ____							
Overall Site Summary (Total **resident** WIFLs only)		Adults	Pairs	Territories	Nests	Were any WIFLs color-banded? Yes No		
Total survey hrs_____						If yes, report color combination(s) in the comments section on back of form		

Reporting Individual _____ Date Report Completed _____
US Fish and Wildlife Service Permit #_____ AZ Game and Fish Department (or other state) Permit # _____

<u>Submit original</u> form by August 1st. Retain a copy for your records.

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

Reporting Individual _____ Phone # _____
Affiliation _____ E-mail _____
Site Name _____ Date Report Completed _____

Did you verify that this site name is consistent with that used in previous years? Yes / No (circle one)
If name is different, what name(s) was used in the past? _____
If site was surveyed last year, did you survey the same general area this year? Yes / No If no, summarize in comments below.
Did you survey the same general area during each visit to this site this year? Yes / No If no, summarize in comments below.

Management Authority for Survey Area (circle one): Federal Municipal/County State Tribal Private
Name of Management Entity or Owner (e.g., Tonto National Forest) _____

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

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: _____

Average height of canopy (Do not put a range): _____ (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 copy of a USGS quad/topographical map (REQUIRED) of the survey area, outlining the survey site and location of WIFL detections. 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. Please include photos of the interior of the patch, exterior of the patch, and overall site and describe any unique habitat features.

Comments (attach additional sheets if necessary)

_____
_____
_____
_____
_____
_____
_____

WIFL Detection Locations:

Date Detected	N UTM	E UTM	Date Detected	N UTM	E UTM

SWFL General Site Description

[Complete at least 3 times during season: early (10–25 May), mid-season (10–25 June), and late season (10–25 July)]

General Info

Study Area: _____ **Survey Site:** _____ **Date:** _____

Observer(s): _____ **early**_____ **mid**_____ **late** _____ **other**_____

Vegetation

Vegetation at site: >90% native 50–90% native 50–90% exotic >90% exotic

Canopy closure: <25% 25–50% 50–70% 70–90% >90%

Overstory height (m): _____ **Dominant overstory species:** TASP SAGO SAEX POFR Other _____

Understory height (m): _____ **Dominant understory species**: TASP SAGO SAEX PLSE Other _____

Other vegetation types present (e.g., cattail)? Yes No

If yes, type of vegetation: _____ **percentage of site:**_____

type of vegetation: _____ **percentage of site:**_____

type of vegetation: _____ **percentage of site:**_____

Hydrology

% of site inundated: _____

Describe type of surface water (e.g., open marsh, surface water within woody vegetation, stream, etc):

_____

Average depth of surface water:

toes (<5cm) ankles (5-15 cm) calves (15-40 cm) knees (40-60 cm)
thighs (60-80 cm) waist (100 cm) too deep to wade (>100 cm)

% of site with saturated soils (do not include inundated areas in percentage!): _____

% of site with damp soils (do not include inundated or saturated areas): _____

If not inundated or saturated, distance (m) to standing water or saturated soil:_____

How was distance determined? Visually estimated in field Measured in field using GPS

Measured from aerial photograph Other _____

Describe type of nearest surface water: _____

Narrative and Pictorial Description

Does this description cover the entire site? Y N **If not, which portion is described?**_____

_____

On the reverse, sketch and label the locations of the major vegetation types you observed. Delineate marshes, open areas, and other habitat that may be unsuitable for flycatchers. If water was present, show its location.

Give a narrative description of the site, including adjacent habitats:

_____
_____
_____
_____
_____
_____
_____
_____

Additional comments:_____
_____
_____

STUDY AREA: _____ **SITE**: _____ **BANDER**: _____ **DATE**: _____ **TIME**: _____ **TERR/NEST #**: _____

UTM: NAD_____ **Zone**_____ _____**E** _____**N** **NBN:** ____ of ____ WN banded **WN developmental age**:_____

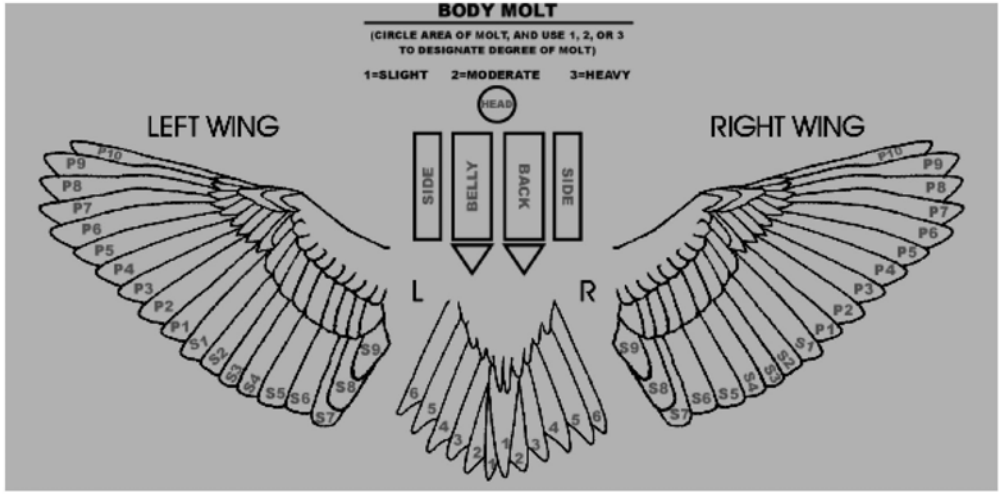
NOTES:_____

FEDERAL BAND #	COLOR COMBO		STATUS	SEX	CP	BP	AGE	FECAL SAMPLE? (Y or N)	GENETIC SAMPLE? (Y or N)	WING CHORD (mm)	TAIL (mm)	CULMEN LENGTH (mm)	CULMEN WIDTH (mm)	FAT
	L	R												

Retained Feathers Present: Yes or No (circle) – if Yes use diagram below **Active Molt**: Yes or No (circle) – if Yes use diagram below

****** If a genetic sample or metric was not taken, explain why in notes ******

STATUS: NCP = new cap passive, NCT = new cap target, RCP = recap passive, RCT = recap target, NBN = nestling banded
SEX: U = unknown, F = female, M = male
CP: 0 = non-breeding, S = partial breeding, M = full breeding
BP: 0 = none, 1 = smooth, 2 = vascularized and filled with fluid, 3 = wrinkled, 4 = molting
AGE: AHY = after hatch year; SY = second year; L = nestling banded in nest; HY = hatch year/young of the year
FAT: 0 = no fat; 1 = trace of fat in furculum, deeply concave, scattered patches, less than 5 percent filled; 2 = thin layer of fat in furculum, less than a third filled, trace of thin layer of fat in abdomen; 3 = furculum is ½ filled or more; small patches, not covering some areas, on abdomen; 4 = furculum more than 2/3 filled, level with clavicles, slightly mounded on abdomen



DETAIL ALL MOLTS AND RETAINED FEATHERS ONTO DIAGRAM AND DETAIL IN NOTES

Date:_____ Page ____ of _____

				COLOR COMBO							
OBS	STUDY AREA	TERR	NEST	LEFT LEG	RIGHT LEG	CONF LEVL	CAP?	# WIFLS	SEX	NBN (__of __)	OBSERVATIONS AND COMMENTS: discuss observations & activities. **If you assign gender, explain!**
											Service Band Number =
											Service Band Number =
											Service Band Number =
											Service Band Number =
											Service Band Number =
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											Service Band Number =
											Service Band Number =

Willow Flycatcher Territory/Nest Record Form

Study Area:_____ Survey Site:_____ Territory/Nest no.:_____

Territory/Nest Location:
NAD:_____ Zone:_____

Territory UTMs:

Easting:_____

Northing:_____

GPS Accuracy: _____m

Nest UTMs:

Easting:_____

Northing:_____

GPS Accuracy: _____m

Nest Height:_____m (approximate)

Nest Substrate:_____(e.g., TASP=tamarisk, SAGO=Goodding willow, POFR=cottonwood, SAEX = coyote willow, etc.)

Distance to standing water or saturated soil when nest found: _____(m)

How was distance determined?_____

Date distance to water determined: _____

Depth of surface water at nest (please circle how wet you got when nest was found):

dry damp muddy toes (<5cm) ankles (5-15 cm)

calves (15-40 cm) knees (40-60 cm) thighs (60-80 cm)

waist (100 cm) too deep to wade (>100 cm)

PLEASE DO NOT FILL OUT ANYTHING BELOW

Bird 1: Color band combination:_____ **Band Number:**_____ Female

Bird 2: Color band combination:_____ **Band Number:**_____ Male

Willow Flycatcher

Trans dates	B D	(T/F)	
			Found
			First egg
			Clutch completion
			Hatching
			Fledged or Failed

Willow Flycatcher

No.	Presumed	Confirmed	
			Eggs
			Nestlings
			Fledglings

Cowbird

Trans dates	B D	(T/F)	
			First egg
			Hatching
			Fledged

Cowbird

No.	Complete? (T/F)	
		Eggs
		Nestlings
		Fledglings

Outcome (Record code & describe)**:**_____:_____

_____

_____

_____

Outcome codes:
UN= unknown; **FY**= fledged young, with at least one young seen leaving or in the vicinity of nest; **FP**= fledged young, as determined by parents behaving as if dependent fledgling(s) nearby; **FU**= suspected fledging of at least one young; **FC**= fledged at least one host young with cowbird parasitism; **FD**= Nest partially depredated with confirmed fledging of at least one young; **PO**= predation observed; **PE**= probable predation, nest empty and intact; **PD**= probable predation, damage to nest structure; **AB**= nest abandoned prior to egg(s) being laid; **DE**= deserted with egg(s) or young; **PA**= parasitized, host attempted to raise cowbird young. No host young were fledged from the nest; **WE**= failure due to weather; **AD**= failure, entire clutch addled/infertile; **OT**= failure due to other, or unknown, causes.

Mayfield Success

(WIFL) Period	# Exposure days	Success
Egg Laying		
Incubation		
Nestling		

Mayfield success codes: **S**= successful; **D**= depredated; **U**= status unknown/nest occupied- fate unknown; **M**= mortality other than predation; **A**= abandoned with host egg(s) or young; **Z**= abandoned, no (zero) eggs laid.

Willow Flycatcher Territory/Nest Record Form (continued)

Study Area:_______________Survey Site:____________________________Territory/Nest no.:_______

Date	Time		Obs	Mon Type	Stage	Adult pres.	# WE	# CE	# WN	# CN	#WF	Age Yng	Comments
	In	Out											

LCR SWFL – Vegetation Datasheet

Observers: _____

Study area	Survey site	Plot type	ID#	UTM: E N	Acc. m	Date

Canopy height	Direct measurement m	Using clinometer Top % - Bottom % × Dist m	Ground cover	N	E	S	W	Canopy closure	N	S

Species		TASP single	TASP multi	TASP skipped	SAEX single	SAEX multi	SAEX skipped	SAGO single	SAGO multi	SAGO skipped	SNAG single	SNAG multi	SNAG skipped
Stem Count By cm dbh category	<1												
	1–2.5												
	2.6–5.5												
	5.6–8												
	8.1–10.5												
	10.5–15												
	Measured Trees >15 cm dbh												

Species		OTSP1 single	OTSP1 multi	OTSP1 skipped	OTSP2 single	OTSP2 multi	OTSP2 skipped	OTSP3 single	OTSP3 multi	OTSP3 skipped
Stem Count By cm dbh category	<1									
	1–2.5									
	2.6–5.5									
	5.6–8									
	8.1–10.5									
	10.5–15									
	Measured Trees >15 cm dbh									

Other species (write out full name)

OTSP1_____

OTSP2 _____

OTSP3_____

If stem splits below ankle height, measure and tally each stem in "single" column. If, at ankle height or above, stem splits into multiple branches, measure and tally the biggest stem in "multi" column and record how many stems you did not measure in the "skipped" column (in the size category of the stem you measured).

If stem is not at least breast height, do not count

Vertical Foliage Sampling

CENTER PLOT							
Height (m)	Hits/Species						
	TASP	SAGO	SAEX	SNAG	OTSP1*:	OTSP2*:	OTSP3*:
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
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21							
22							
23							
24							
25							

Record number of decimeters with hits on pole (within 10-cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.

***Use same OTSP (1,2,3) as listed on main record.**

Notes:

Vertical Foliage Sampling

Study Area:	Survey Site:	Plot type:	ID#	Date:

NORTH 1m								EAST 1m							
Height (m)	Hits/Species							Height (m)	Hits/Species						
	TASP	SAGO	SAEX	SNAG	OTSP1	OTSP2	OTSP3		TASP	SAGO	SAEX	SNAG	OTSP1	OTSP2	OTSP3
1								1							
2								2							
3								3							
4								4							
5								5							
6								6							
7								7							
8								8							
9								9							
10								10							
11								11							
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22								22							
23								23							
24								24							
25								25							

Record number of decimeters with hits on pole (within 10 cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.
***Use same OTSP (1,2,3) as listed on main record.**

SIDE 1

Vertical Foliage Sampling

SOUTH 1m								WEST 1m							
Height (m)	Hits/Species							Height (m)	Hits/Species						
	TASP	SAGO	SAEX	SNAG	OTSP1	OTSP2	OTSP3		TASP	SAGO	SAEX	SNAG	OTSP1	OTSP2	OTSP3
1								1							
2								2							
3								3							
4								4							
5								5							
6								6							
7								7							
8								8							
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18								18							
19								19							
20								20							
21								21							
22								22							
23								23							
24								24							
25								25							

Record number of decimeters with hits on pole (within 10 cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.
***Use same OTSP (1,2,3) as listed on main record.**

SIDE 2

Vertical Foliage Sampling

Study Area:	Survey Site:	Plot type:	ID#	Date:

NORTH 5m								EAST 5m							
Height (m)	Hits/Species							Height (m)	Hits/Species						
	TASP	SAGO	SAEX	SNAG	OTSP1	OTSP2	OTSP3		TASP	SAGO	SAEX	SNAG	OTSP1	OTSP2	OTSP3
1								1							
2								2							
3								3							
4								4							
5								5							
6								6							
7								7							
8								8							
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23								23							
24								24							
25								25							

Record number of decimeters with hits on pole (within 10 cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.
***Use same OTSP (1,2,3) as listed on main record.**

SIDE 1

Vertical Foliage Sampling

SOUTH 5m								WEST 5m							
Height (m)	Hits/Species							Height (m)	Hits/Species						
	TASP	SAGO	SAEX	SNAG	OTSP1	OTSP2	OTSP3		TASP	SAGO	SAEX	SNAG	OTSP1	OTSP2	OTSP3
1								1							
2								2							
3								3							
4								4							
5								5							
6								6							
7								7							
8								8							
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21								21							
22								22							
23								23							
24								24							
25								25							

Record number of decimeters with hits on pole (within 10 cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.
***Use same OTSP (1,2,3) as listed on main record.**

SIDE 2

SWFL Microclimate at Occupied Territories

Study Area _____ **Survey Site** _____ **LOCATION ID** _____–_____–_____
(Study area) – (Year) – (Territory #)

UTM coordinates: E 0_ _ _ _ _ _ _ **N** _ _ _ _ _ _ _ _ **GPS Accuracy**: _____ m

Date territory first occupied: _____ **Date territory vacated** _____

New Location ID (if this logger was already in the field) _____–_____–_____

Temperature/Relative Humidity (T/RH)

Set-up: Date:_____ Time:_____ Observer(s)_____

Logger 6-digit serial number (e.g., #630863):_____ Was red LED checked at set-up? Y or N

What randomization sequence was used? Sequence #: _____

Column 1: _____ Column 2: _____ Column 3:_____ Column 4:_____ Column 5: _____

Est. actual height of logger _____ m

Download: Date:_____ Time:_____ Observer(s):_____

Was red LED blinking at download? Y or N Did you check red LED after (re)launch? Y or N

Logger 6-digit serial number (do NOT copy from above; read the number on the logger!):_____

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Was logger downloaded on-site? Y or N If N, date and time of download: Date: _____ Time: _____

Did you replace the existing logger? Y or N If Y, serial number of new logger: _____

Comments:

Download: Date:_____ Time:_____ Observer(s):_____

Was red LED blinking at download? Y or N Did you check red LED after (re)launch? Y or N

Logger 6-digit serial number (do NOT copy from above; read the number on the logger!):_____

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Was logger downloaded on-site? Y or N If N, date and time of download: Date: _____ Time: _____

Did you replace the existing logger? Y or N If Y, serial number of new logger: _____

Comments:

Soil Moisture (SM)

Date **soil sample** collected:_____

Soil moisture data collected on the following dates (enter SM data directly into database):

Date: _____ Obs: _____ Date: _____ Obs: _____ Date: _____ Obs: _____

Date: _____ Obs: _____ Date: _____ Obs: _____ Date: _____ Obs: _____

Date: _____ Obs: _____ Date: _____ Obs: _____ Date: _____ Obs: _____

Date: _____ Obs: _____ Date: _____ Obs: _____ Date: _____ Obs: _____

SWFL Microclimate at Old Nests

Study Area _____ **Survey Site** _____ **LOCATION ID** _____–_____–_____
(Study area) – (Year active) – (Nest #)

UTM coordinates: E 0_ _ _ _ _ _ _ **N** _ _ _ _ _ _ _ _ **GPS Accuracy**: _____ m

Temperature/Relative Humidity (T/RH)

Set-up: Date:_____ Time:_____ Observer(s)_____

Logger 6-digit serial number (e.g., #630863):_____ Was red LED checked at set-up? Y or N

How certain are you that the logger is hanging from the fork the nest was in? (check one)

_____Nest still visible, certain of location
_____Nest gone, but found nest flag and certain of location
_____Nest gone, no nest flag, but base of nest tree flagged and nest height adequate to determine exact location
_____Nest gone, base of nest tree flagged, certain in right tree but not sure if right fork
_____Nest gone, nest tree not flagged, not certain if in right tree.
_____Other: _____

Est. actual height of logger _____ m

Comments:

Take-down: Date:_____ Time:_____ Observer(s):_____

Logger 6-digit serial number (do NOT copy from above; read the number on the logger!):_____

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Comments:

Soil Moisture (SM)

Date **soil sample** collected:_____

Soil moisture data collected on the following dates (enter SM data directly into database):

Date: _____ Obs: _____	Date: _____ Obs: _____	Date: _____ Obs: _____
Date: _____ Obs: _____	Date: _____ Obs: _____	Date: _____ Obs: _____
Date: _____ Obs: _____	Date: _____ Obs: _____	Date: _____ Obs: _____
Date: _____ Obs: _____	Date: _____ Obs: _____	Date: _____ Obs: _____

Habitat Monitoring Sites

Study Area _____ **Survey Site** _____ **LOCATION ID** _____–_____–_____
(Study area) – (Survey site) – (Number)

UTM coordinates: E 0_ _ _ _ _ _ _ **N** _ _ _ _ _ _ _ _ **Accuracy**: _____ m

T/RH Downloads

Date:_____ Time:_____ Observer(s):_____ Was red LED blinking at download? Y or N

Logger 6-digit serial number (e.g., #630863):_____ Did you check red LED after (re)launch? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Was logger downloaded on-site? Y or N If N, date and time of download: Date: _____ Time: _____

Did you replace the existing logger? Y or N If Y, serial number of new logger: _____

Comments:

Date:_____ Time:_____ Observer(s):_____ Was red LED blinking at download? Y or N

Logger 6-digit serial number (e.g., #630863):_____ Did you check red LED after (re)launch? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Was logger downloaded on-site? Y or N If N, date and time of download: Date: _____ Time: _____

Did you replace the existing logger? Y or N If Y, serial number of new logger: _____

Comments:

Soil Moisture (SM)

Soil moisture data collected on the following dates (enter SM data directly into database):

Date: _____ Obs: _____	Date: _____ Obs: _____	Date: _____ Obs: _____
Date: _____ Obs: _____	Date: _____ Obs: _____	Date: _____ Obs: _____
Date: _____ Obs: _____	Date: _____ Obs: _____	Date: _____ Obs: _____
Date: _____ Obs: _____	Date: _____ Obs: _____	Date: _____ Obs: _____

Location ID codes: Study area codes – Topock Marsh = TM, Topock Gorge = TG, Ehrenberg = EH, Cibola = CI, Imperial = IM, Mittry = MI, Yuma = YU. Survey site codes – In Between = IB, Blankenship = BK, Havasu NE = HV, Ehrenberg = EH, Three Fingers Lake = TF, Cibola Lake = CL, Walker Lake = WL, Paradise = PV, Hoge Ranch = HR, Rattlesnake = RS, Clear Lake = LK, Ferguson Lake = FL, Ferguson Wash = FW, Great Blue Heron = GB, Mittry West = MW, Gila Confluence North = GC

Microclimate at Hydro Monitoring Sites – Topock

Study Area _TOPO___ Survey Site _____ LOCATION ID: TM –HM–_____
(Location ID)

UTM coordinates: E 0_ _ _ _ _ _ _ N _ _ _ _ _ _ _ _ GPS Accuracy: _____ m

Temperature/Relative Humidity (T/RH)

Set-up: Date:_____ Time:_____ Observer(s)_____

Logger 6-digit serial number (e.g., #630863):_____ Was red LED checked at set-up? Y or N

What randomization sequence was used? Sequence #: _____
Column 1: _____ Column 2: _____ Column 3:_____

Est. actual height of logger _____ m

Download: Date:_____ Time:_____ Observer(s):_____

Was red LED blinking at download? Y or N Did you check red LED after (re)launch? Y or N

Logger 6-digit serial number (do NOT copy from above; read the number on the logger!):_____

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Was logger downloaded on-site? Y or N If N, date and time of download: Date: _____ Time: _____

Did you replace the existing logger? Y or N If Y, serial number of new logger: _____

Comments:

Download: Date:_____ Time:_____ Observer(s):_____

Was red LED blinking at download? Y or N Did you check red LED after (re)launch? Y or N

Logger 6-digit serial number (do NOT copy from above; read the number on the logger!):_____

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Was logger downloaded on-site? Y or N If N, date and time of download: Date: _____ Time: _____

Did you replace the existing logger? Y or N If Y, serial number of new logger: _____

Comments:

Soil Moisture (SM)

Date **soil sample** collected:_____

Soil moisture data collected on the following dates (enter SM data directly into database):

Date: _____	Obs: _____	Date: _____	Obs: _____	Date: _____	Obs: _____
Date: _____	Obs: _____	Date: _____	Obs: _____	Date: _____	Obs: _____
Date: _____	Obs: _____	Date: _____	Obs: _____	Date: _____	Obs: _____
Date: _____	Obs: _____	Date: _____	Obs: _____	Date: _____	Obs: _____
Date: _____	Obs: _____	Date: _____	Obs: _____	Date: _____	Obs: _____
Date: _____	Obs: _____	Date: _____	Obs: _____	Date: _____	Obs: _____
Date: _____	Obs: _____	Date: _____	Obs: _____	Date: _____	Obs: _____