SURVEYS OF YELLOW-BILLED CUCKOO on the Lower Colorado River, 2008 Field Season



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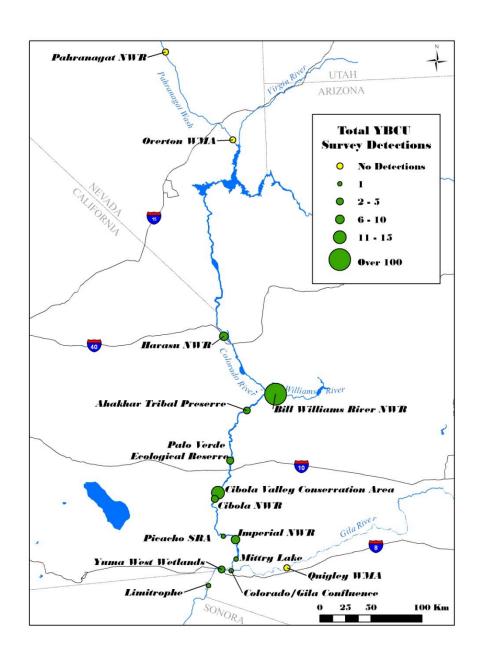
Southern Sierra Research Station

Survey using call playback

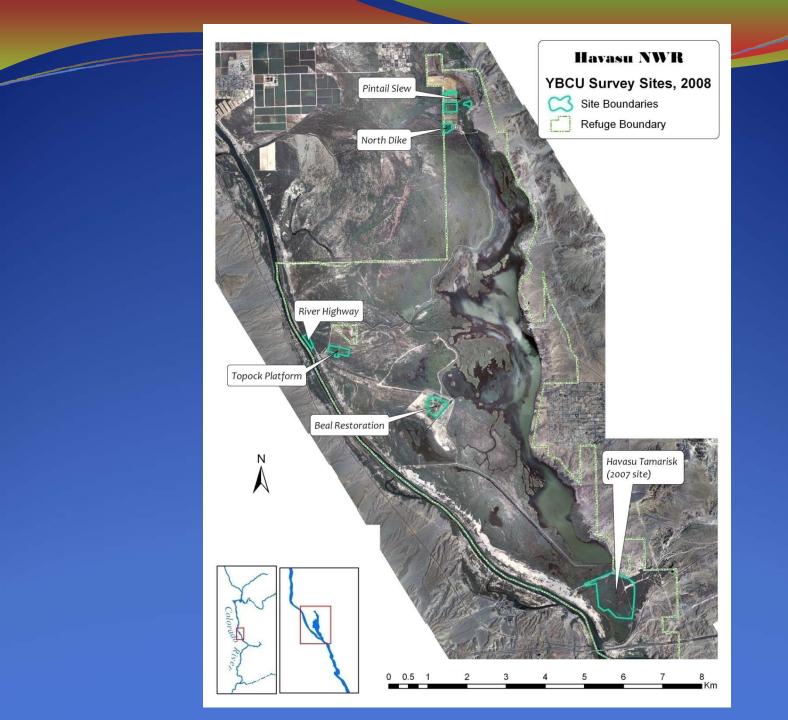


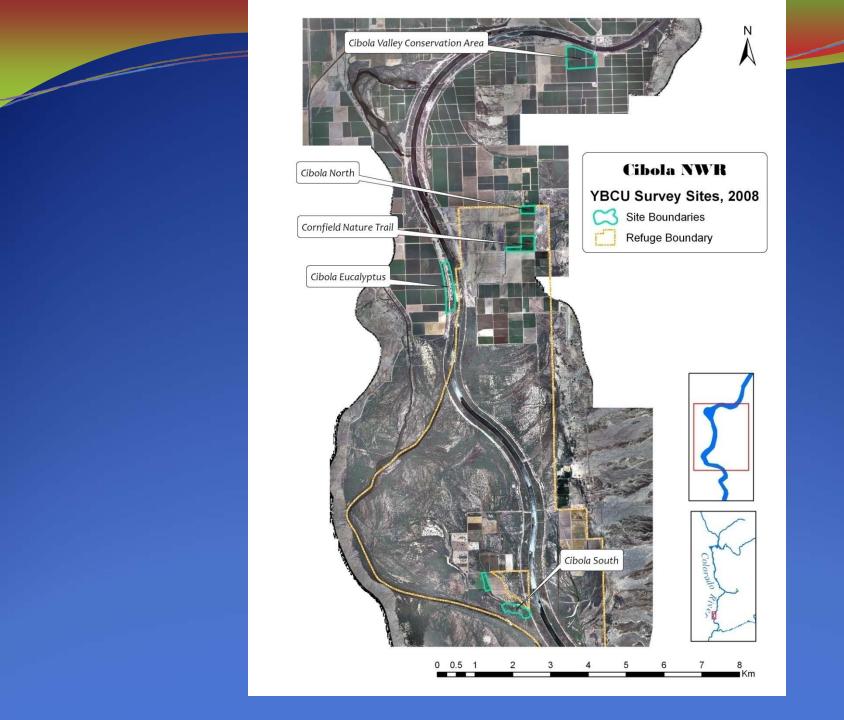
- -Each route (approx 3 km) is surveyed four times between 1 June and 30 August (see dates in protocol)
- Stops are made every 100m
- -Contact calls are played 5X at 1 minute intervals
- If a cuckoo is detected, the surveyor moves 300 m and resumes the survey





	Visit Numb er				Total det. Ha p			Veg er Plots	
	1	2	3	4	5	per site	site	per site	
Sites North of BWRNWR	1	3	4	0	0	8	81	16	
Bill Williams River NWR	11	30	35	36	18	144	518	61	
Sites Near Blythe	0	11	5	5	4	25	167	31	
Sites near Yuma	0	7	5	1	0	13	209	32	
Totals	12	51	49	42	22	190	975	140	





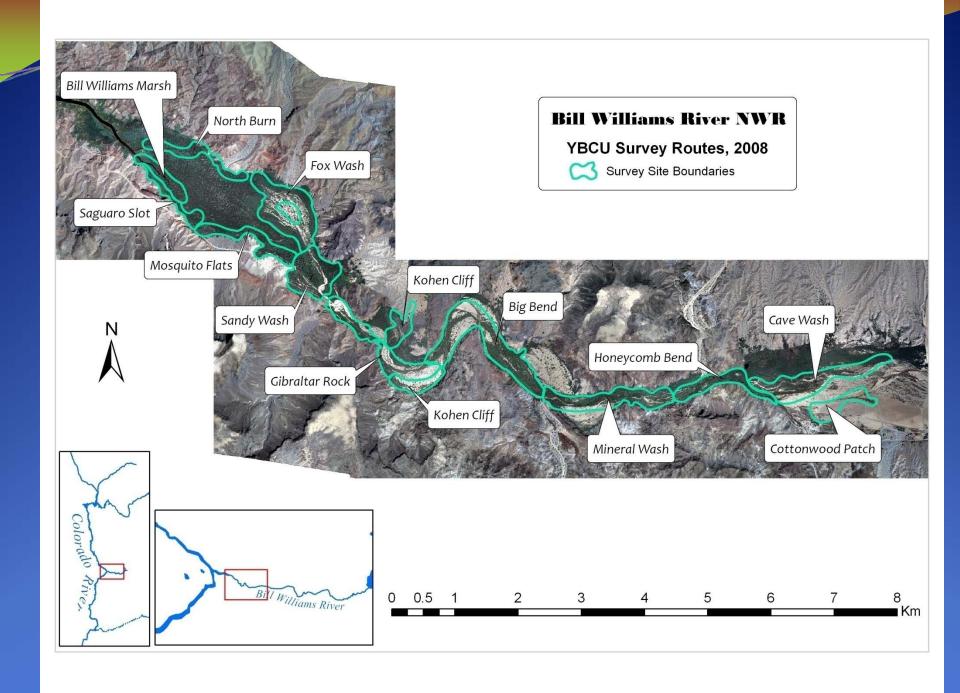


Figure. Maximum Cuckoo Detections on the Bill Williams River NWR in a single survey from 1997-2008 (excluding 2005).

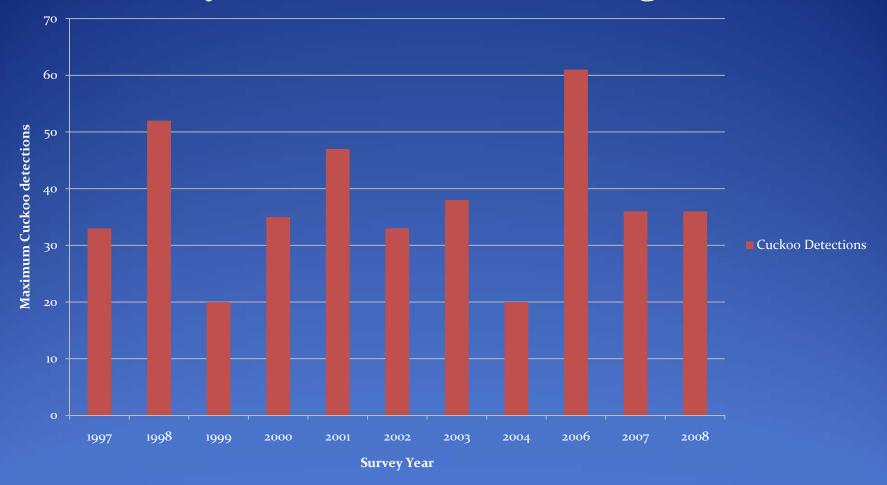




Table . Yellow-billed Cuckoo Nesting activity on the Lower Colorado River, 2008 field season.

		Number	Number of	Date	Nestlings	Nest	Nest Tree
Nest Number	Location	of eggs	fledglings	Found	banded?	Succ?	species
CVCA-01-2008	CVCA	3	3	7/15/2008	3	Yes	Cottonwood
CVCA-02-2008	CVCA	2	0	8/6/2008	0	No	Cottonwood
BWHB-01-2008	Honeycomb Bend	3	2	7/22/2008	2	Yes	Tamarisk
BWHB-02-2008	Honeycomb Bend	2	2	7/27/2008	0	Yes	Good. Willow
BWHB-03-2008	Honeycomb Bend	unknown	2	7/24/2008	0	Yes	Good. Willow







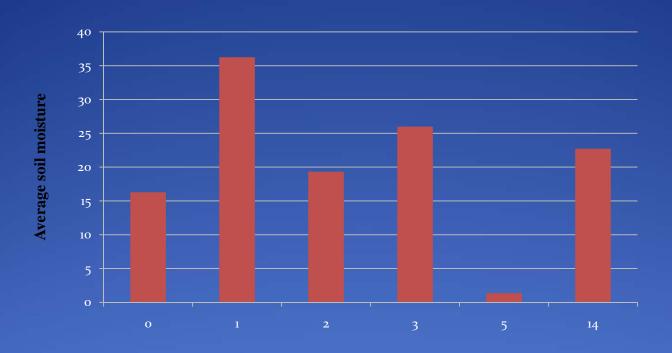








Figure 47. Yellow-billed Cuckoo detections and soil moisture on survey sites on the Lower Colorado River, 2008.



Yellow-billed Cuckoo detections

Figure 48. Cuckoo detections and Soil Moisture on the Bill Williams River NWR, 2008.

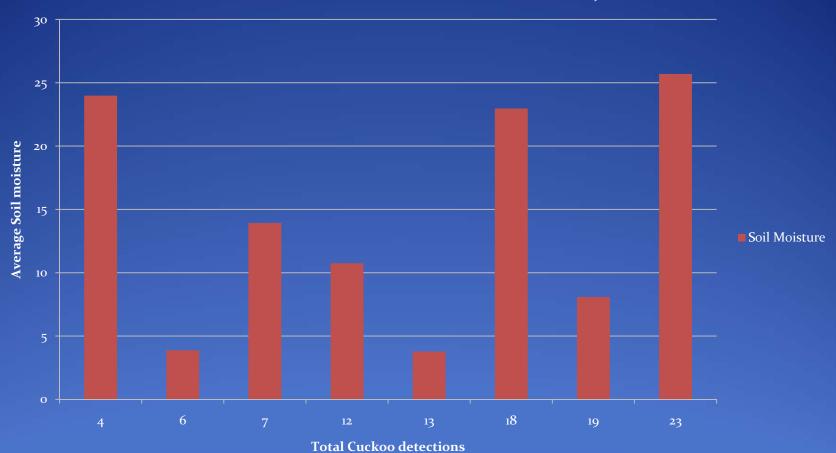


Figure . Yellow-billed Cuckoo detections and average temperature and relative humidity with trendlines, 2009 field season.

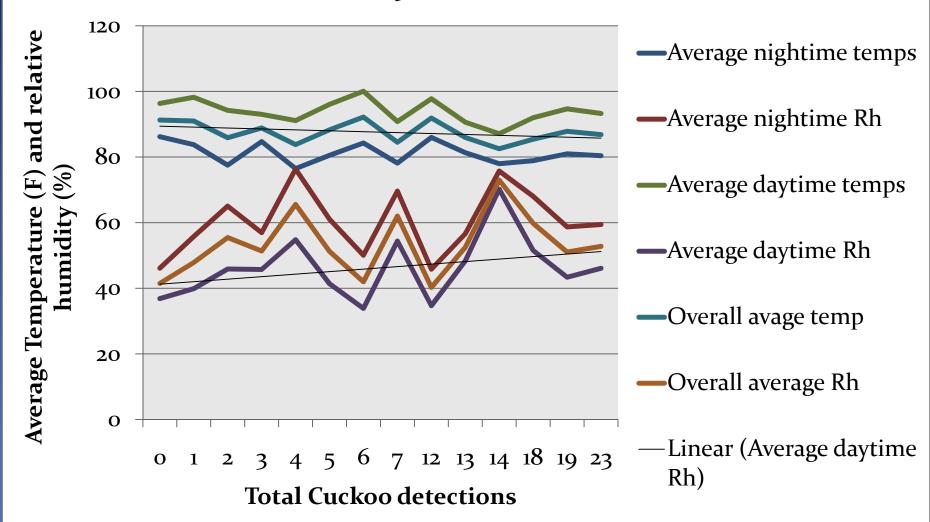


Figure 50. Cicada and Yellow-billed Cuckoo detections on the Lower Colorado River, 2008 field season.

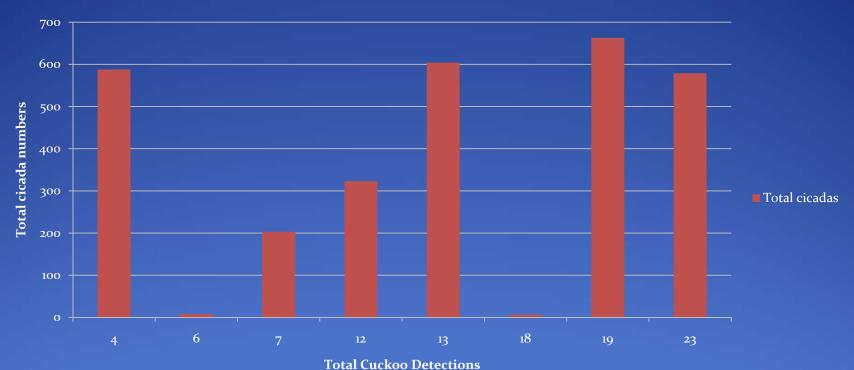


Figure 51. Cicada counts and average Soil moisture on the Bill Williams River NWR, 2008

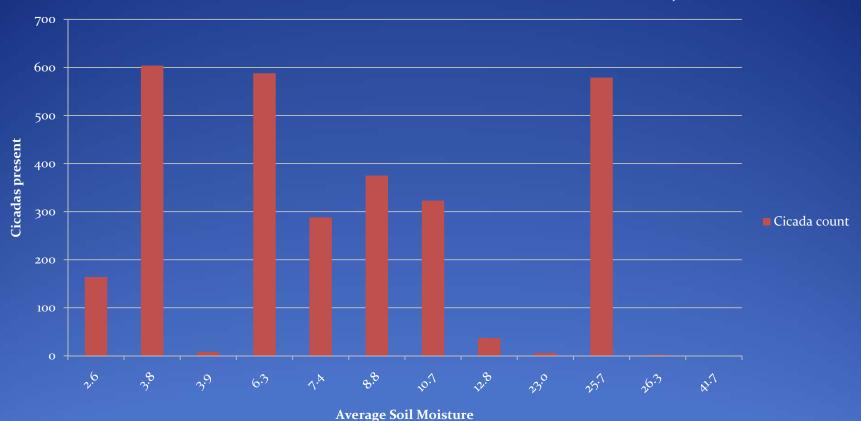




Figure . Cicada counts and average Soil moisture on the Bill Williams River NWR, 2008

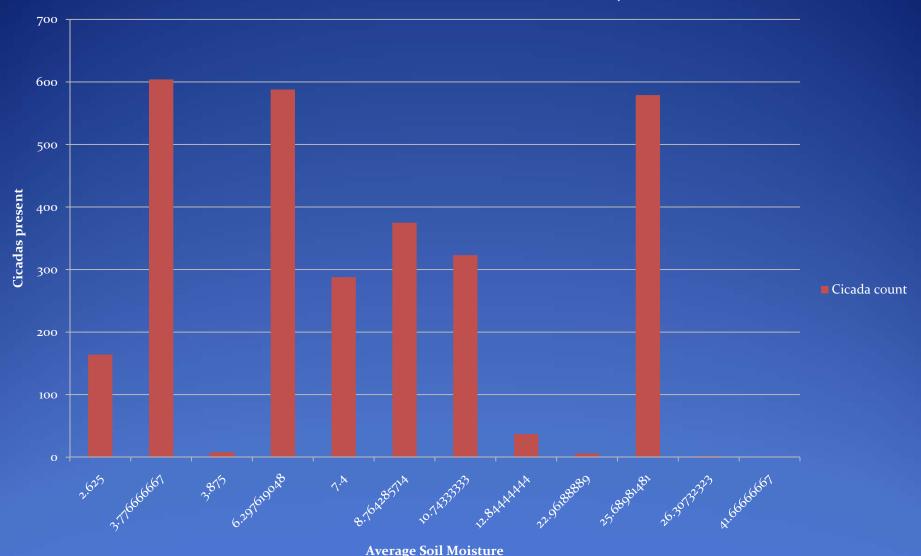
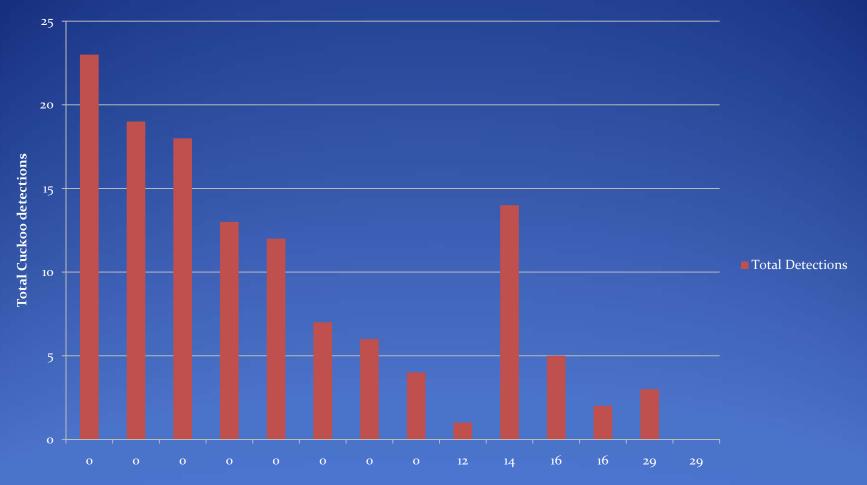


Figure. Total detections of Yellow-billed Cuckoos in relation to nearest occupied habitat patch, 2008 field season.



Distance to nearest occupied site

Figure 3. Detections of Yellow-billed Cuckoos by hectares of habitat on survey sites on the Lower Colorado River in 2008.

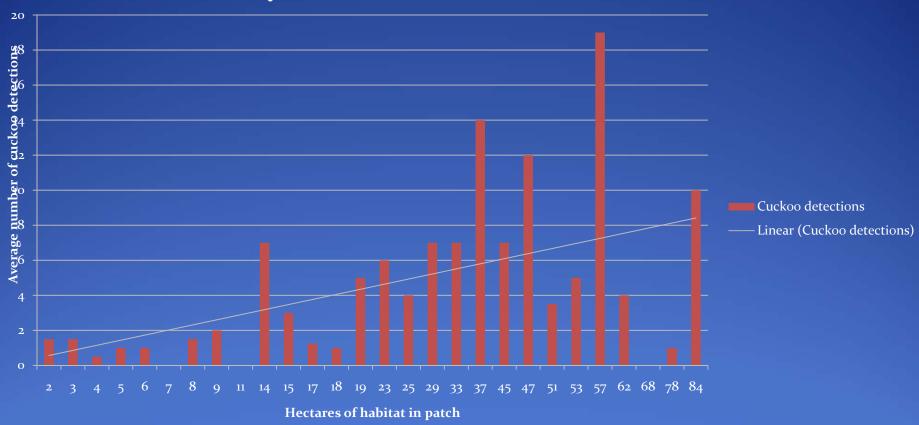
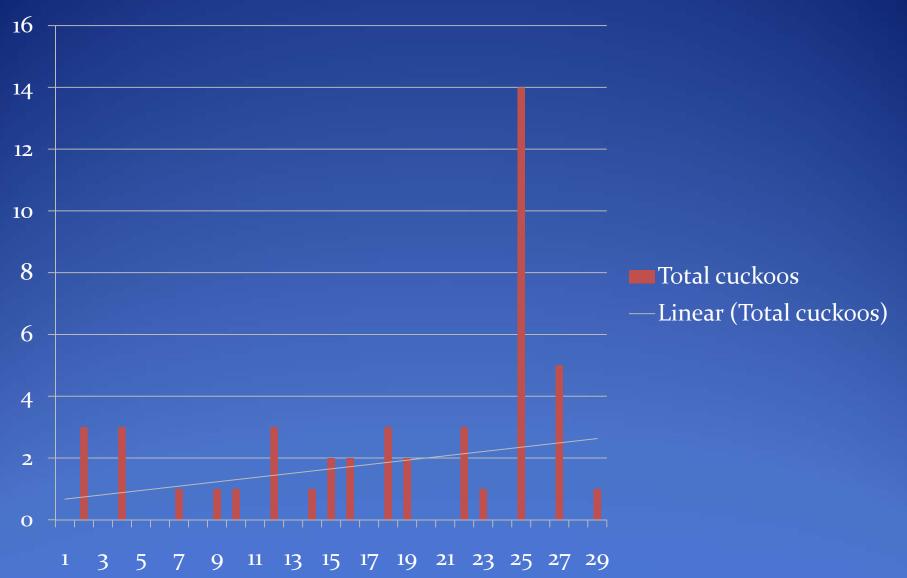


Figure 4. Cuckoo detections per hectare on restoration sites on the LCR, 2008.



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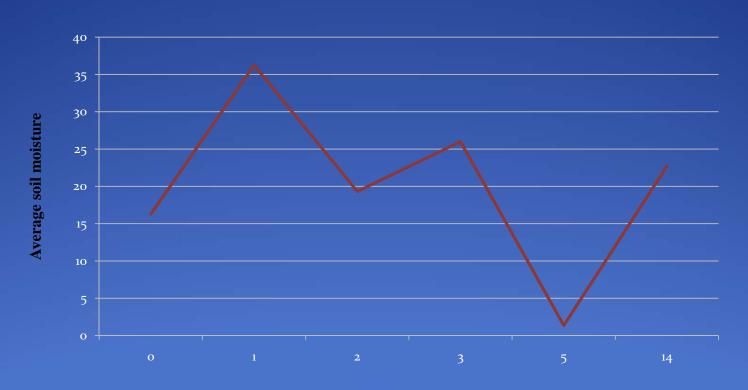
2009 Field season

- More focus on restoration sites
- More focus on banding and putting transmitters on cuckoos on restoration sites
- Include several new sites
- Expand veg monitoring to other sites

QUESTIONS?



Figure . Yellow-billed Cuckoo detections and soil moisture on survey sites on the Lower Colorado River, 2008.



Yellow-billed Cuckoo detections

Visit Number

	1	2	3	4	5	Total detect/region
Sites North of BWRNWR	1	3	4	0	0	8
Bill Williams River NWR	11	30	35	36	18	144
Sites Near Blythe	0	11	5	5	4	25
Sites near Yuma	0	7	5	1	0	13
Total Detections	12	51	49	42	22	190