



Monitoring Avian Productivity and Survivorship (MAPS) Banding

2019 Report

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This year was Jackson Hole Wildlife Foundation’s (JHWF) second year running the Monitoring Avian Productivity and Survivorship (MAPS) program in and around Jackson, Wyoming. Bryan Bedrosian, of the Teton Raptor Center, held the master permit for these stations and we communicated regularly regarding any notable events that occurred while banding. All data were collected according to the Institute for Bird Population’s MAPS protocol.

Banding took place at three sites: the Teton Science School-Kelly Campus site (TSS-), the Boyles Hill site in Jackson (JACK), and a non-MAPS site (POOL). Banding ran from MAPS periods 4 through 10 (June 5 to August 2). As there were no missed days due to weather, this resulted in 18 total banding days and 1070.82 net-hours. The POOL site, using four nets, operated for roughly four hours on one day (June 4) to facilitate training and refresh banders with MAPS protocol.

Tables 1 and 2. An overview of effort and captures at the MAPS and training sites in operation during the 2019 season.

2019 MAPS Station Summary			
	JACK	TSS-	Total
Total net hours	527.33	543.49	1070.82
Total captures	297	322	619
Newly banded birds	185	187	372
Recaptures	87	88	175
Unbanded birds	25	42	67
Bands changed	0	1	1
Bands lost/destroyed	0	4	4
Total Species	32	33	41

2018 non-MAPS Station Summary	
	POOL
Total net hours	16
Total captures	36
Newly banded birds	32
Recaptures	3
Unbanded birds	1
Bands lost/destroyed	3
Total Species	10

Between the two banding stations we captured 619 individual birds of 41 distinct species. For comparison, these numbers are down from the 2018 banding season during which 656 birds of 44 species were captured. The five most commonly captured species in 2019, were Yellow Warbler (117), American Robin (62), Song Sparrow (60), MacGillivray’s Warbler (35), and Cedar Waxwing and Warbling Vireo, which tied at 32 birds each. One of the most notable captures was a pair of Lazuli Buntings, which included a hatch-year, indicating that breeding was most likely taking place in the area. We also recaptured a third-year male Belted Kingfisher who was originally banded by our crew in 2018. In addition, five swallows were captured, consisting of three Northern Rough-winged Swallows, two Violet-green Swallows, and one Tree Swallow.

Table 3. A summary of banding data, including newly banded, recaptured, and unbanded birds caught at the Boyles Hill (JACK) site, located in Jackson, Wyoming.

JACK new		JACK recaptures		JACK unbanded	
Species	# Birds	Species	# Birds	Species	# Birds
AMGO	4	AMRO	6	AMRO	2
AMRO	25	BCCH	5	BCCH	1
AUWA	1	BEKI	1	BTAH	2
BCCH	6	BHCO	1	CAHU	3
BHCO	5	BHGR	1	HAFL	1
BHGR	8	CEDW	3	HOWR	2
CEDW	24	CHSP	1	RCKI	2
CHSP	5	GRCA	1	RUHU	7
DUFL	1	GTTO	1	SOSP	2
GRCA	2	HOWR	6	UNEM	1
HOWR	8	PISI	1	WAVI	1
LISP	1	RNSA	3	YEWA	1
MGWA	1	SOSP	24	TOTAL	25
MWCS	2	WAVI	4		
NRWS	3	YEWA	29		
PISI	3	TOTAL	74		
RCKI	2				
RNSA	5				
SOSP	24				
SWTH	1				
WAVI	7				
WBNU	1				
WETA	1				
WEWP	3				
WIFL	1				
YEWA	41				
YRWA	1				
TOTAL	186				

Table 4. A summary of banding data, including newly banded, recaptured, and unbanded birds caught at the Teton Science Schools – Kelly Campus (TSS-) site, located in Grand Teton National Park.

TSS- new		TSS- recaptures		TSS- unbanded	
Species	# Birds	Species	#Birds	Species	# Birds
AMGO	1	AMRO	8	AMRO	1
AMRO	20	BCCH	1	AUWA	1
AUWA	5	BHGR	2	BTAH	8
BCCH	1	CHSP	5	CAHU	3
BHGR	3	DUFL	2	CHSP	1
CEDW	5	FOSP	1	DUFL	2
CHSP	6	GRCA	7	MWCS	1
DUFL	4	MGWA	19	OCWA	11
FOSP	2	MWCS	1	RCKI	5
GRCA	3	OCWA	1	RUHU	15
GTTO	7	ORJU	1	UNEM	1
HAWO	2	PISI	5	WAVI	1
HETH	1	RCKI	3	YEWA	2
HOWR	10	RNSA	1	TOTAL	42
LAZB	2	SOSP	4		
LISP	2	SWTH	1		
MGWA	15	WAVI	5		
MWCS	6	YEWA	21		
OCWA	5	TOTAL	88		
ORJU	10				
PISI	16				
RCKI	6				
RNSA	4				
RSFL	2				
SOSP	6				
SWTH	2				
TRES	1				
UNEM	1				
VGSW	2				
WAVI	14				
YEWA	23				
TOTAL	187				

Table 5. A summary of banding data, including newly banded, recaptured, and unbanded birds caught at the training (POOL) site, located on private property in Wilson, Wyoming.

POOL new	
Species	# Birds
AMRO	3
BCCH	4
BHGR	4
CAFI	1
GTTO	1
MWCS	1
SOSP	5
SWTH	1
YEWA	12
TOTAL	32

POOL recaptures	
Species	# Birds
AMRO	2
BCCH	1
TOTAL	3

POOL unbanded	
Species	# Birds
WIWA	1

