

# Alaska Landbird Monitoring Survey 2017 Summary

## **Purpose:**

Monitor breeding landbird populations in roadless areas to compliment roadside Breeding Bird Survey Program

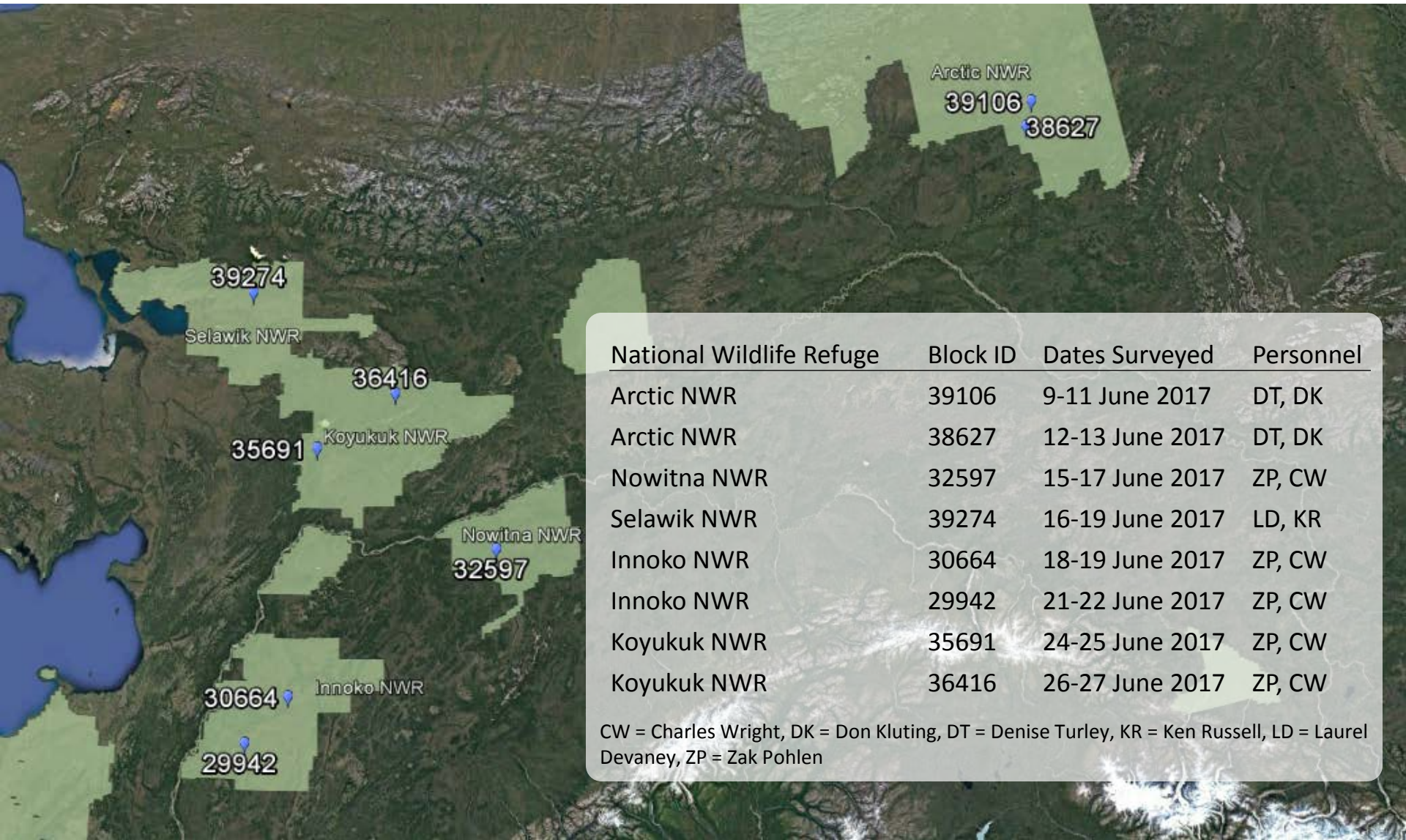
## **Objectives:**

- (1) monitor long-term population trends of Alaska's landbirds in roadless areas
- (2) estimate population sizes of Alaska's landbirds
- (3) model bird and habitat relationships across Alaska
- (4) compliment the long established road-based Breeding Bird Survey in the region

## **Joint MBM and Refuge I&M goal:**

Implement the Alaska Landbird Monitoring Survey (ALMS) on refuge lands

# 2017 Effort: MBM and Refuge I&M program



National Wildlife Refuge	Block ID	Dates Surveyed	Personnel
Arctic NWR	39106	9-11 June 2017	DT, DK
Arctic NWR	38627	12-13 June 2017	DT, DK
Nowitna NWR	32597	15-17 June 2017	ZP, CW
Selawik NWR	39274	16-19 June 2017	LD, KR
Innoko NWR	30664	18-19 June 2017	ZP, CW
Innoko NWR	29942	21-22 June 2017	ZP, CW
Koyukuk NWR	35691	24-25 June 2017	ZP, CW
Koyukuk NWR	36416	26-27 June 2017	ZP, CW

CW = Charles Wright, DK = Don Kluting, DT = Denise Turley, KR = Ken Russell, LD = Laurel Devaney, ZP = Zak Pohlen

# Species Summary

Refuge	Block ID	Points <sup>a</sup>	Total Species <sup>b</sup>	Total Individ. <sup>c</sup>	Ave Species <sup>d</sup>	Ave Individ. <sup>e</sup>
Arctic NWR	39106	23	25	190	6.0	10.1
Arctic NWR	38627	24	29	324	6.0	13.5
Nowitna NWR	32597	21	29	323	8.9	15.4
Selawik NWR	39274	15	32	199	8.4	13.3
Innoko NWR	30664	19	36	344	10.2	18.1
Innoko NWR	29942	16	35	264	9.8	16.5
Koyukuk NWR	35691	21	36	420	12.0	20.0
Koyukuk NWR	36416	18	32	230	9.7	12.8
<i>Total</i>		<i>157</i>	<i>77<sup>f</sup></i>	<i>2337</i>	<i>8.9</i>	<i>15.0</i>

<sup>a</sup>Total number of points completed within the block out of 25

<sup>b</sup>Total number of species per survey block.

<sup>c</sup>Total number of individuals per block.

<sup>d</sup>Average number of unique species per point within a survey block.

<sup>e</sup>Average number of individuals per point within a survey block.

<sup>f</sup>Total number of unique species detected.

# Most Frequently Detected Species

Innoko NWR		Nowitna NWR	Selawik NWR
<b>29942</b>	<b>30664</b>	<b>32597</b>	<b>39274</b>
Lincoln's Sparrow	Savannah Sparrow	Lincoln's Sparrow	White-crowned Sparrow
Alder Flycatcher	White-crowned Sparrow	Swainson's Thrush	Alder Flycatcher
Savannah Sparrow	Alder Flycatcher	White-crowned Sparrow	Savannah Sparrow
American Tree Sparrow	Swainson's Thrush	Alder Flycatcher	American Robin
Greater White-fronted Goose	Common Redpoll	Wilson's Snipe	Northern Waterthrush

Koyukuk NWR		Arctic NWR	
<b>35691</b>	<b>36416</b>	<b>38627</b>	<b>39106</b>
Swainson's Thrush	Swainson's Thrush	Swainson's Thrush	Swainson's Thrush
White-crowned Sparrow	American Tree Sparrow	Slate-colored Junco	Slate-colored Junco
Wilson's Snipe	Orange-crowned Warbler	American Robin	American Robin
Alder Flycatcher	Lincoln's Sparrow	Myrtle Warbler	Myrtle Warbler
Fox Sparrow	Savannah Sparrow	White-crowned Sparrow	White-crowned Sparrow

# USFWS Region 7 Priority Species detected



Priority Species	Innoko		Nowitna	Koyukuk		Arctic		Selawik	Total
	29942	30664	32597	35691	36416	38627	39106	39274	Indiv.
Lesser Yellowlegs	1	1	12	13	2	2	0	5	36
Olive-sided Flycatcher	0	1	0	2	0	1	4	0	8
Blackpoll Warbler	3	5	3	13	6	0	1	6	37
Rusty Blackbird	0	0	3	16	2	3	2	0	26
<b>Total</b>	<b>4</b>	<b>7</b>	<b>18</b>	<b>44</b>	<b>10</b>	<b>6</b>	<b>7</b>	<b>11</b>	

# 2018 ALMS plans

- Resurvey established blocks:
  - Koyukuk NWR (1)
  - Innoko NWR (2)
  - Nowitna NWR (1)
  - Kanuti NWR (2)
  - Arctic NWR (2)
- Establish new blocks

## Acknowledgments

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