

Highlights of the 2013 WFO Conference in Olympia, Washington

WFO's 2013 Conference was a joint meeting with Washington Ornithological Society and hosted by Black Hills Audubon Society. We had 208 registrants, well over our typical turnout for a non-California conference. Nearly half the attendees were from Washington, Oregon, or British Columbia and we had registrants from as far away as New York, Maryland, Florida, Illinois, and Alaska. Science Session talks covered a wide range of topics with a particular emphasis on population dynamics across a broad geographic range and details on shorebird migration in the west. Nathan Pieplow once again compiled a set of bird sounds that confounded, educated, and amused us all. Ed Harper showed no mercy this time and presented our Photo ID expert panel with some real challenges. The six workshops were particularly popular this year and included sessions focused on warblers, sapsuckers, gulls, and dragonflies; plus workshops to help folks get the most out of eBird and to know how to deliver first aid in a wilderness setting. Twenty-nine field trips, including two pelagic trips, produced a list of over 200 species. Details below...

WFO 2013 Olympia Science Sessions and Banquet

Dennis Paulson opened the sessions with a review of population trends in recent decades in the northwest. There were four papers covering migration of shorebirds in the west, eight papers on population dynamics and conservation issues that encompassed most of the west coast from the Washington/Oregon coast, through the Cascades, all of Oregon, through the Sierra Nevada, and as far south as the Colorado River. Other presentations revealed new findings on breeding behavior of Mountain Bluebirds and Black-throated Gray Warblers and more. John Marzluff's Keynote talk was equal parts enlightening and entertaining. We learned fascinating details about corvid behavior and intelligence how their brains function to produce these behaviors.

At the Annual Meeting we gave Volunteer Awards to Lena Hayashi and Heath Wakelee for their many years of service to WFO, helping us in so many ways to run our conferences and our special field trips. We also elected new board members, Tom Blackman, Jon Dunn, and Catherine Waters; and re-elected Kurt Leuschner to a new term.



Heath Wakelee (left) and Lena Hayashi (right) receive WFO Volunteer Awards ©Ali Sheehey

WFO 2013 Olympia Field Trip Report

Our field trips covered all the available habitats from pelagic to coastal, and up to the higher elevations of Mt. Rainier, producing a list of 201 species (see full list of species AND lists by field trip below). Participants on the two pelagic trips enjoyed ideal conditions and found all the expected species including South Polar Skuas and all three jaegers, Laysan and Black-footed Albatross, and five species of shearwater including GREAT SHEARWATER. Shorebirding is excellent this time of year as our list of 32 species shows. Shorebird highlights were HUDSONIAN GODWIT and BUFF-BREASTED SANDPIPER. Diversity of gulls and terns was also good with 12 species found, including ELEGANT TERN. Folks on the trips to Mt. Rainier (Sunrise) got great looks at White-tailed Ptarmigan and Sooty Grouse. Late August may not be the best time for passerine birding, but we did manage to find 8 species of western warblers and the passerine highlight, SMITH'S LONGSPUR.



Great Shearwater (24 Aug 2013) Grays Harbor County, WA ©Ryan Shaw



Buff-breasted Sandpiper (24 Aug 2013) Thurston County, WA ©Ed Harper



Smith's Longspur (26 Aug 2013) Grays Harbor County, WA ©Joyce Meyer

SPECIES SEEN

From 8/22/2013 to 8/25/2013 ~ in Washington ~ 201 seen

DUCKS, GEESE, AND WATERFOWL

Brant
Cackling Goose
Canada Goose
Wood Duck
Gadwall
American Wigeon
Mallard
Blue-winged Teal
Cinnamon Teal
Northern Shoveler
Northern Pintail
Green-winged Teal
Surf Scoter
White-winged Scoter
Common Goldeneye
Hooded Merganser
Common Merganser

NEW WORLD QUAIL

California Quail

PHEASANTS, GROUSE, TURKEYS, ALLIES

White-tailed Ptarmigan
Sooty Grouse

LOONS

Red-throated Loon
Pacific Loon
Common Loon

GREBES

Pied-billed Grebe
Horned Grebe
Western Grebe

ALBATROSSES

Laysan Albatross
Black-footed Albatross

SHEARWATERS AND PETRELS

Northern Fulmar
Pink-footed Shearwater
Great Shearwater
Buller's Shearwater
Sooty Shearwater

STORM-PETRELS

Fork-tailed Storm-Petrel

CORMORANTS AND SHAGS

Brandt's Cormorant
Double-crested Cormorant
Pelagic Cormorant

PELICANS

Brown Pelican

HERONS, EGRETS, AND BITTERNs

American Bittern
Great Blue Heron
Great Egret
Green Heron

NEW WORLD VULTURES

Turkey Vulture

OSPREY

Osprey

HAWKS, EAGLES, AND KITES

Northern Harrier
Sharp-shinned Hawk
Cooper's Hawk
Northern Goshawk
Bald Eagle
Red-tailed Hawk

RAILS, GALLINULES, AND COOTS

Virginia Rail
Sora

PLOVERS AND LAPWINGS

Black-bellied Plover
Pacific Golden-Plover
Snowy Plover
Semipalmated Plover
Killdeer

OYSTERCATCHERS

Black Oystercatcher

SANDPIPERS AND ALLIES

Spotted Sandpiper
Solitary Sandpiper
Wandering Tattler
Greater Yellowlegs
Willet
Lesser Yellowlegs
Whimbrel
Hudsonian Godwit
Marbled Godwit
Ruddy Turnstone
Black Turnstone
Surfbird
Red Knot
Sanderling
Semipalmated Sandpiper
Western Sandpiper
Least Sandpiper
Baird's Sandpiper
Pectoral Sandpiper
Dunlin
Buff-breasted Sandpiper
Short-billed Dowitcher
Long-billed Dowitcher
Wilson's Snipe
Red-necked Phalarope
Red Phalarope

GULLS, TERNS, AND SKIMMERS

Sabine's Gull
Bonaparte's Gull
Heermann's Gull
Mew Gull
Ring-billed Gull
Western Gull
California Gull
Herring Gull
Glaucous-winged Gull
Caspian Tern
Common Tern
Arctic Tern
Elegant Tern

SKUAS AND JAEGERs

South Polar Skua
Pomarine Jaeger
Parasitic Jaeger
Long-tailed Jaeger

AUKS, MURREs, AND PUFFINS

Common Murre
Pigeon Guillemot
Marbled Murrelet
Scripps's Murrelet
Cassin's Auklet
Rhinoceros Auklet
Tufted Puffin

PIGEONS AND DOVES

Rock Pigeon
Band-tailed Pigeon
Eurasian Collared-Dove
Mourning Dove

OWLS

Northern Pygmy-Owl

SWIFTS

Vaux's Swift

HUMMINGBIRDS

Anna's Hummingbird
Rufous Hummingbird

KINGFISHERS

Belted Kingfisher

WOODPECKERS

Red-breasted Sapsucker
Downy Woodpecker
Hairy Woodpecker
Northern Flicker
Pileated Woodpecker

FALCONS AND CARACARAS

American Kestrel
Merlin
Peregrine Falcon
Prairie Falcon

TYRANT FLYCATCHERS

Olive-sided Flycatcher
Western Wood-Pewee
Willow Flycatcher
Pacific-slope Flycatcher

VIREOS

Cassin's Vireo
Hutton's Vireo
Warbling Vireo

CROWS, JAYS, AND MAGPIES

Gray Jay
Steller's Jay
Western Scrub-Jay
Clark's Nutcracker
American Crow
Common Raven

SWALLOWS

Northern Rough-winged Swallow
Purple Martin
Tree Swallow
Violet-green Swallow
Bank Swallow
Barn Swallow
Cliff Swallow

CHICKADEES AND TITS

Black-capped Chickadee
Mountain Chickadee
Chestnut-backed Chickadee

LONG-TAILED TITS

Bushtit

NUTHATCHES

Red-breasted Nuthatch

TREECREEPERS

Brown Creeper

WRENS

House Wren
Pacific Wren
Marsh Wren
Bewick's Wren

DIPPERS

American Dipper

KINGLETS

Golden-crowned Kinglet
Ruby-crowned Kinglet

THRUSHES AND ALLIES

Western Bluebird
Mountain Bluebird
Swainson's Thrush
Hermit Thrush
American Robin
Varied Thrush

STARLINGS

European Starling

WAGTAILS AND PIPITS

American Pipit

WAXWINGS

Cedar Waxwing

LONGSPURS AND SNOW BUNTINGS

Smith's Longspur

NEW WORLD WARBLERS

Orange-crowned Warbler
MacGillivray's Warbler
Common Yellowthroat
Yellow Warbler
Yellow-rumped Warbler
Black-throated Gray Warbler
Townsend's Warbler
Hermit Warbler
Wilson's Warbler

BUNTINGS AND NEW WORLD SPARROWS

Spotted Towhee
Chipping Sparrow
Savannah Sparrow
Fox Sparrow
Song Sparrow
White-crowned Sparrow
Golden-crowned Sparrow
Dark-eyed Junco

CARDINALS AND ALLIES

Western Tanager
Black-headed Grosbeak

TROUPIALS AND ALLIES

Red-winged Blackbird
Western Meadowlark
Brewer's Blackbird
Brown-headed Cowbird

SISKINS, CROSSBILLS, AND ALLIES

Gray-crowned Rosy-Finch
Purple Finch
Cassin's Finch
House Finch
Red Crossbill
Pine Siskin
American Goldfinch
Evening Grosbeak

OLD WORLD SPARROWS

House Sparrow

----- STATISTICS -----

Species seen - 201

Families w/seen species - 50

WESTERN FIELD ORNITHOLOGISTS CONFERENCE - OLYMPIA, WA 2013

SPECIES LIST = 201	Aug. 22				Aug. 23				Aug. 24				Aug. 25				Workshops			FIELD TRIPS												
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S		T	U	V	W	X	Y	Z	AA	BB	W1	W2	W3
																		Seen														
Brant				X																					X						2	<u>Aug. 22</u>
Cackling Goose					X			X																							2	A. Pelagic
Canada Goose			X	X	X	X	X	X			X			X			X		X					X	X	X	X				14	B. Paradise-Mt. Rainier
Wood Duck			X					X	X			X		X	X			X	X					X							9	C. Sunrise-Mt. Rainer
Gadwall				X			X							X											X						4	D. Nisqually NWR
American Wigeon	X							X						X																	3	E. Ocean Shores/Gry's I
Mallard			X	X	X		X	X			X	X	X	X				X	X	X				X	X	X	X	X	X		17	F. Toke/Westp/BB
Blue-winged Teal																								X							1	G. Gryl/Toke/Bottle Bch.
Cinnamon Teal			X					X						X										X							4	H. Ocean Shores/Gry's II
Northern Shoveler			X	X			X							X										X	X	X					7	
Northern Pintail	X			X	X	X	X	X						X										X		X					9	<u>Aug. 23</u>
Green-winged Teal				X	X	X	X	X				X	X						X												8	I. Nisqually NWR
Surf Scoter			X	X	X		X				X					X										X	X				8	J. Scatter Crk/MM
White-winged Scoter				X							X															X					3	K. West Rocky Prairie
Common Goldeneye				X			X																								2	L. Chehalis WT/W. Bay
Hooded Merganser			X		X									X										X				X	X		6	M. McLane N. Trail
Common Merganser								X						X																	2	N. Kennedy Creek
California Quail															X	X															2	
White-tailed Ptarmigan			X																				X	X							3	<u>Aug. 24</u>
Sooty Grouse																								X							1	O. Nisqually NWR
Red-throated Loon				X	X	X																				X					4	P. Scatter Crk/MM
Pacific Loon	X				X																					X					3	Q. West Rocky Prairie
Common Loon				X	X	X	X															X				X	X				7	R. Chehalis WT/W. Bay
Pied-billed Grebe			X	X			X					X																			4	S. Joint Base-L. McChord
Horned Grebe											X																				1	T. McLane N. Trail
Western Grebe					X																										1	U. Kennedy Creek
Laysan Albatross																						X									1	
Black-footed Albatross	X																					X									2	(continued)
Northern Fulmar	X																					X									2	
Pink-footed Shearwater	X																					X									2	
Great Shearwater																						X									1	
Buller's Shearwater	X																														1	
Sooty Shearwater	X			X	X																	X			X	X					6	
Fork-tailed Storm-Petrel	X																					X									2	

SPECIES LIST = 201	Aug. 22								Aug. 23							Aug. 24								Aug. 25						Workshops			Seen	FIELD TRIPS		
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	W1	W2	W3					
Brandt's Cormorant	X					X											X				X			X	X									6	Aug. 25	
Double-crested Cormorant	X			X	X	X	X	X	X			X		X	X			X		X	X	X		X	X	X	X	X							18	V. Pelagic
Pelagic Cormorant	X					X	X											X				X			X										6	W. Sunrise - Mt. Rainier
Brown Pelican	X				X	X	X	X														X			X	X	X								9	X. Sunrise - (was Paradise)
American Bittern				X					X														X												3	Y. Nisqually NWR
Great Blue Heron	X			X	X	X	X	X	X	X		X		X	X		X	X	X	X	X	X		X	X	X	X								20	Z. Toke/Westp/BB
Great Egret				X		X	X						X												X	X									6	AA. Ocean Shores/Grys H.
Green Heron				X										X										X											3	BB. Gryl/Toke/Bottle Bch.
Turkey Vulture				X	X	X	X	X	X								X							X	X	X	X								11	
Osprey		X		X	X			X			X		X				X		X	X					X		X	X							12	Workshops
Northern Harrier				X	X		X	X	X					X		X		X						X	X	X	X								12	W1. eBird
Sharp-shinned Hawk																X		X																	2	W2. Dragonflies
Cooper's Hawk				X	X	X			X			X		X										X									X		8	W3. Warblers
Northern Goshawk			X																																1	
Bald Eagle				X	X	X	X	X	X			X		X			X							X	X							X			12	
Red-tailed Hawk		X		X		X		X	X		X		X	X	X	X		X			X		X	X	X	X	X	X	X	X	X	X	X	X	17	
Virginia Rail				X	X				X			X		X	X			X	X					X		X									10	
Sora				X					X					X										X											4	
Black-bellied Plover	X					X	X							X						X					X	X									7	
Pacific-golden Plover								X																											1	
Snowy Plover								X																											2	
Semipalmated Plover	X			X	X	X	X	X																	X	X	X								9	
Killdeer				X	X		X	X	X			X		X		X				X	X				X	X	X				X				13	
Black Oystercatcher								X																											1	
Spotted Sandpiper				X	X	X						X		X				X						X											7	
Solitary Sandpiper				X																															1	
Wandering Tattler					X																		X												3	
Greater Yellowlegs					X	X		X	X			X		X					X						X	X	X								10	
Willet						X	X																												3	
Lesser Yellowlegs					X								X														X								3	
Whimbrel						X	X																				X								3	
Hudsonian Godwit	X						X																												2	
Marbled Godwit	X					X	X																			X	X								5	
Ruddy Turnstone	X							X																		X	X								4	
Black Turnstone																											X								1	
Surfbird	X				X			X														X				X									5	
Red Knot	X					X	X																			X	X								5	
Sanderling					X	X																					X	X							4	

SPECIES LIST = 201	Aug. 22								Aug. 23							Aug. 24							Aug. 25						Workshops			FIELD TRIPS									
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	W1	W2	W3		Seen								
Semipalmated Sandpiper					X			X																	X													3			
Western Sandpiper	X			X	X	X	X	X	X				X	X	X					X	X					X	X	X	X										16		
Least Sandpiper	X			X	X	X	X	X	X								X									X	X	X	X										12		
Baird's Sandpiper	X																									X													2		
Pectoral Sandpiper																										X													1		
Dunlin						X	X																			X		X											4		
Buff-breasted Sandpiper																X											X												2		
Short-billed Dowitcher	X				X	X	X	X																		X		X											7		
Long-billed Dowitcher					X			X								X										X	X												5		
Wilson's Snipe																X																							2		
Red-necked Phalarope	X					X																																	3		
Red Phalarope	X																																						2		
Sabine's Gull	X																																						2		
Bonaparte's Gull					X	X		X						X						X							X												6		
Heermann's Gull	X				X	X	X	X																				X	X	X										9	
Mew Gull				X		X			X																														4		
Ring-billed Gull	X			X	X	X	X	X	X			X	X	X	X			X		X	X	X				X	X	X	X											19	
Western Gull	X				X	X	X																				X	X	X	X									9		
California Gull	X			X	X	X	X	X				X						X		X	X	X					X	X	X										14		
Herring Gull																																							1		
Glaucous-winged Gull	X			X	X	X	X	X	X			X	X	X	X												X	X	X	X	X	X			X				17		
Caspian Tern	X			X	X	X	X	X	X							X				X							X	X	X	X									13		
Common Tern	X																																						2		
Arctic Tern	X																																						2		
Elegant Tern																																								1	
South Polar Skua	X																																						2		
Pomarine Jaeger	X																																							2	
Parasitic Jaeger	X																																							2	
Long-tailed Jaeger	X																																							2	
Common Murre	X				X	X	X	X																			X													7	
Pigeon Guillemot	X			X	X	X	X					X						X									X													9	
Marbled Murrelet				X		X	X																																	3	
Scripps's Murrelet	X																																							1	
Cassin's Auklet	X																																							2	
Rhinoceros Auklet	X				X	X	X																				X													6	
Tufted Puffin	X				X																																			3	
Rock Pigeon		X		X	X	X	X	X	X	X		X					X											X	X	X	X									15	
Band-tailed Pigeon		X	X	X	X	X		X		X		X	X	X				X	X		X															X	X	X		15	

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	W1	W2	W3			
Eurasian Collared-Dove				X	X	X		X		X						X			X					X	X	X						X		
Mourning Dove		X								X	X			X	X	X	X							X	X							X	X	
Northern Pygmy-Owl													X																					
Vaux's Swift		X	X	X				X								X							X		X			X				X		
Anna's Hummingbird																						X		X			X							
Rufous Hummingbird		X	X	X																		X	X				X	X						
Belted Kingfisher				X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X			X	X						X		X	
Red-breasted Sapsucker										X				X		X	X		X	X													X	
Downy Woodpecker				X	X				X	X	X		X		X	X		X													X	X		
Hairy Woodpecker								X					X						X												X	X		
Northern Flicker		X	X	X	X	X	X			X	X		X	X	X	X	X	X	X	X			X		X	X			X		X	X	X	
Pileated Woodpecker													X	X		X		X		X											X			
American Kestrel		X			X											X								X							X			
Merlin							X																											
Peregrine Falcon				X	X		X	X										X						X	X						X	X		
Prairie Falcon																							X				X							
Olive-sided Flycatcher		X																X														X	X	
Western Wood-Pewee				X				X	X	X	X					X	X		X					X							X		X	
Willow Flycatcher				X	X						X				X		X		X					X							X			
Pacific-slope Flycatcher				X						X			X	X	X	X		X																
Cassin's Vireo																X																	X	
Hutton's Vireo																X		X																
Warbling Vireo				X	X										X	X				X											X	X		
Gray Jay		X																													X			
Steller's Jay		X		X	X	X	X	X		X	X	X	X	X		X	X	X	X	X	X			X	X	X					X	X	X	
Western Scrub-Jay					X					X			X			X	X		X														X	
Clark's Nutcracker		X	X																				X	X			X	X						
American Crow	X	X		X	X	X	X	X	X	X		X	X	X	X	X		X		X	X			X	X	X	X	X	X	X	X	X	X	
Common Raven			X		X	X	X	X		X	X	X	X			X			X	X	X			X			X	X	X	X		X		
Northern Rough-winged Swallow				X		X		X							X																			
Purple Martin				X								X						X	X													X		
Tree Swallow				X				X			X	X			X		X	X															X	
Violet-green Swallow		X			X	X		X	X						X	X		X	X	X				X							X		X	
Bank Swallow				X	X										X																X			
Barn Swallow	X	X		X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	
Cliff Swallow					X			X							X		X							X							X		X	
Black-capped Chickadee	X	X		X	X	X		X	X	X	X	X	X	X	X	X		X	X	X	X			X	X	X	X	X	X	X	X	X	X	
Mountain Chickadee		X	X																				X	X			X	X						

SPECIES LIST = 201	Aug. 22								Aug. 23						Aug. 24							Aug. 25						Workshops			Seen	FIELD TRIPS	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	W1	W2			W3
Chestnut-backed Chickadee		X	X				X	X	X	X		X	X	X	X	X	X	X	X	X		X					X	X	X	X	19		
Bushtit																X															1		
Red-breasted Nuthatch			X	X			X		X	X	X	X			X	X	X	X		X			X				X	X	X		15		
Brown Creeper		X		X		X	X		X		X	X			X		X	X	X					X			X		X		13		
House Wren									X						X	X		X											X		4		
Pacific Wren		X		X			X				X	X	X				X		X				X		X						10		
Marsh Wren	X			X	X		X		X			X		X		X			X				X		X						10		
Bewick's Wren				X	X	X		X	X	X		X	X	X	X	X	X		X		X		X		X		X	X	X		17		
American Dipper			X																												1		
Golden-crowned Kinglet		X	X			X			X				X		X	X	X	X	X		X				X	X	X				13		
Ruby-crowned Kinglet															X																1		
Western Bluebird																		X													1		
Mountain Bluebird			X																				X	X							3		
Swainson's Thrush				X	X			X	X			X	X	X	X									X		X		X	X		11		
Hermit Thrush																							X								1		
American Robin			X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		25		
Varied Thrush																							X								1		
European Starling				X	X	X	X	X	X	X			X	X						X				X	X	X	X		X		14		
American Pipit		X	X																				X								3		
Cedar Waxwing			X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X			X	X		X	X		X	X	20		
Smith's Longspur																										X					1		
Orange-crowned Warbler		X	X						X							X		X				X	X					X	X		8		
MacGillivray's Warbler																			X												1		
Common Yellowthroat	X			X	X	X	X	X	X	X	X		X		X	X	X		X	X				X		X		X	X		18		
Yellow Warbler				X	X			X	X						X								X	X					X		7		
Yellow-rumped Warbler		X	X			X												X				X	X				X				7		
Black-throated Gray Warbler					X				X			X					X			X										X		5	
Townsend's Warbler		X	X						X							X							X	X					X		6		
Hermit Warbler			X																												1		
Wilson's Warbler				X	X		X				X	X	X	X	X	X		X	X	X	X			X					X		12		
Spotted Towhee				X				X	X		X		X	X	X		X						X			X	X	X		11			
Chipping Sparrow			X							X						X	X					X	X					X			6		
Savannah Sparrow				X	X	X	X	X	X	X	X		X	X	X	X		X					X		X	X			X		16		
Fox Sparrow																							X	X							2		
Song Sparrow	X	X		X	X		X	X	X	X		X	X		X	X	X	X	X	X				X	X	X	X	X	X		21		
White-crowned Sparrow				X		X	X		X		X		X		X	X	X		X	X				X	X	X	X		X	X	16		
Golden-crowned Sparrow										X																					1		
Dark-eyed Junco		X	X				X		X	X					X	X			X				X	X		X	X	X			12		

SPECIES LIST = 201	Aug. 22								Aug. 23						Aug. 24							Aug. 25						Workshops			FIELD TRIPS	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	W1	W2		W3
Western Tanager		X	X	X	X				X	X				X					X						X						X	9
Black-headed Grosbeak				X	X				X	X									X											X		6
Red-winged Blackbird	X			X	X	X	X	X							X												X		X	X		9
Western Meadowlark																									X							1
Brewer's Blackbird						X				X															X		X					4
Brown-headed Cowbird				X	X	X	X	X	X			X			X					X					X		X	X	X			13
Gray-crowned Rosy-Finch		X																					X									2
Purple Finch				X						X						X			X										X	X		5
Cassin's Finch			X																				X	X								3
House Finch				X	X	X	X						X		X										X		X	X	X			9
Red Crossbill		X																		X		X	X									3
Pine Siskin		X	X		X					X	X					X		X				X	X						X	X		11
American Goldfinch				X	X	X	X	X	X	X	X		X	X	X	X	X		X	X		X		X		X	X	X	X	X	X	21
Evening Grosbeak		X	X									X												X								4
House Sparrow		X		X	X	X	X		X						X										X		X					9
TOTAL SPECIES SEEN PER TRIP	53	34	27	76	84	78	60	68	54	44	23	31	41	37	64	48	28	39	46	32	32	34	27	23	64	48	58	69	25	37	48	