



HPAI Surveillance of Hunter-shot Birds

Which species? Where? When?



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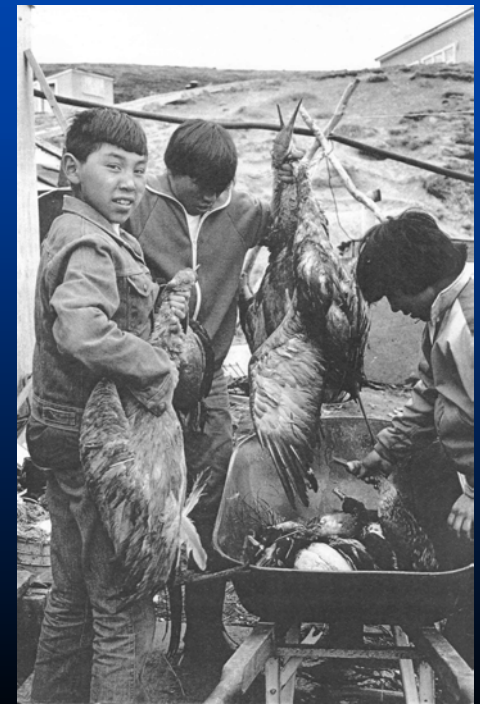
Russ Oates
USFWS Region 7

January 19, 2006





Spring – Summer – Fall – Winter
Which species? Where? When?



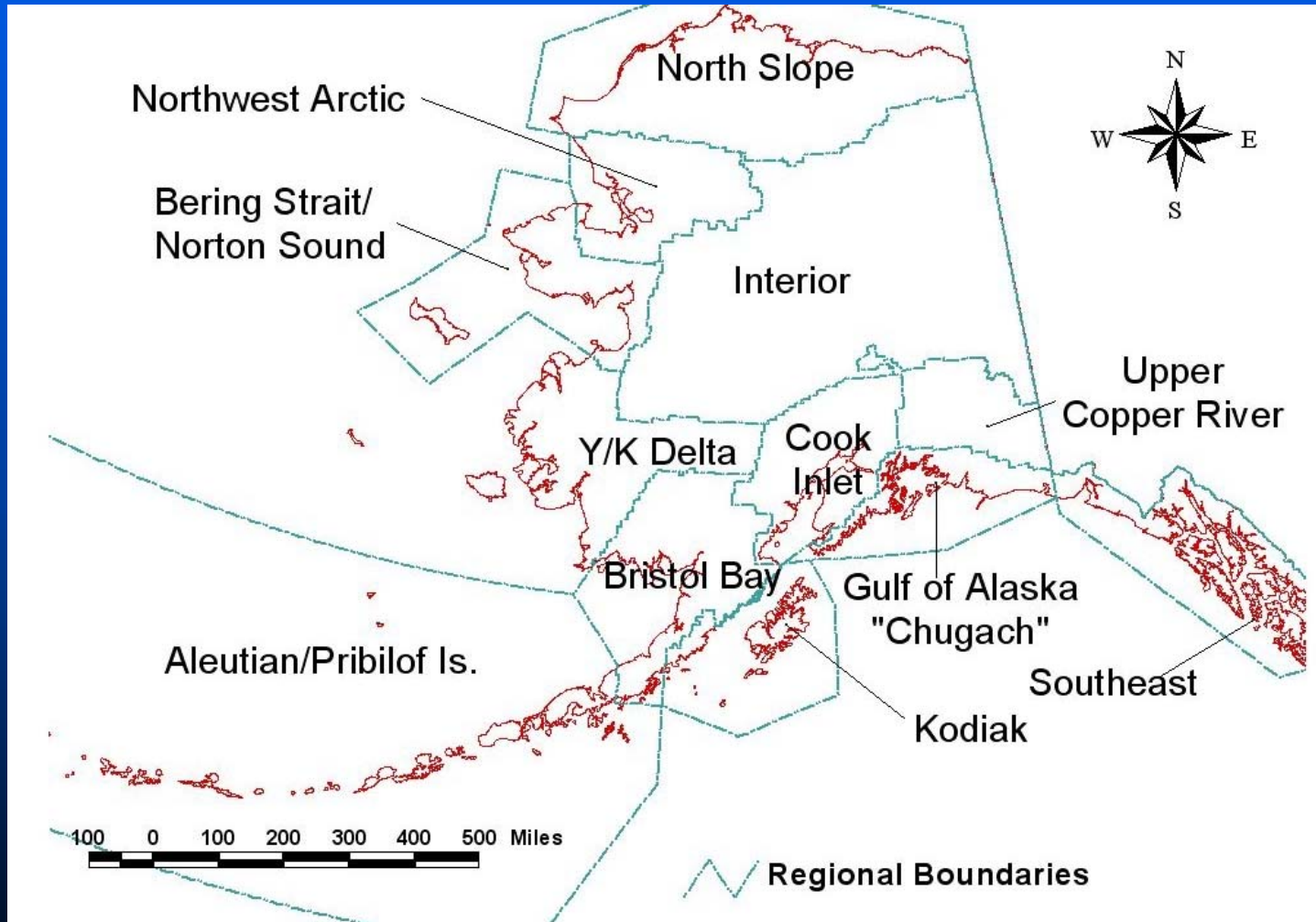
Planning Considerations

- Population scale - what is the sampling frame?
 - Relation of sampling among all methods, seasons, locations
 - Number of sampling locations
 - Number of samples per site
- Sampling in relation to species seasonal population exposure and movements
- Harvest biases in species/age/sex composition
- Limited access to hunters and harvested birds
- Viability of fresh, dressed, and aged birds
- Merits of concurrent fecal, water, soil sampling?

Alaska Priority Species

1. Steller's eider (closed season)
2. Northern pintail
3. Lesser snow goose
4. Emperor goose (closed season)
5. Black brant
6. Spectacled eider (closed season)
7. Aleutian goose
8. Long-tailed duck
9. Tundra swan (fall hunts by permit)
10. Common eider
11. King eider
12. Lesser sandhill crane (MCP)

Alaska Migratory Bird Co-management Council Regional Partner Boundaries



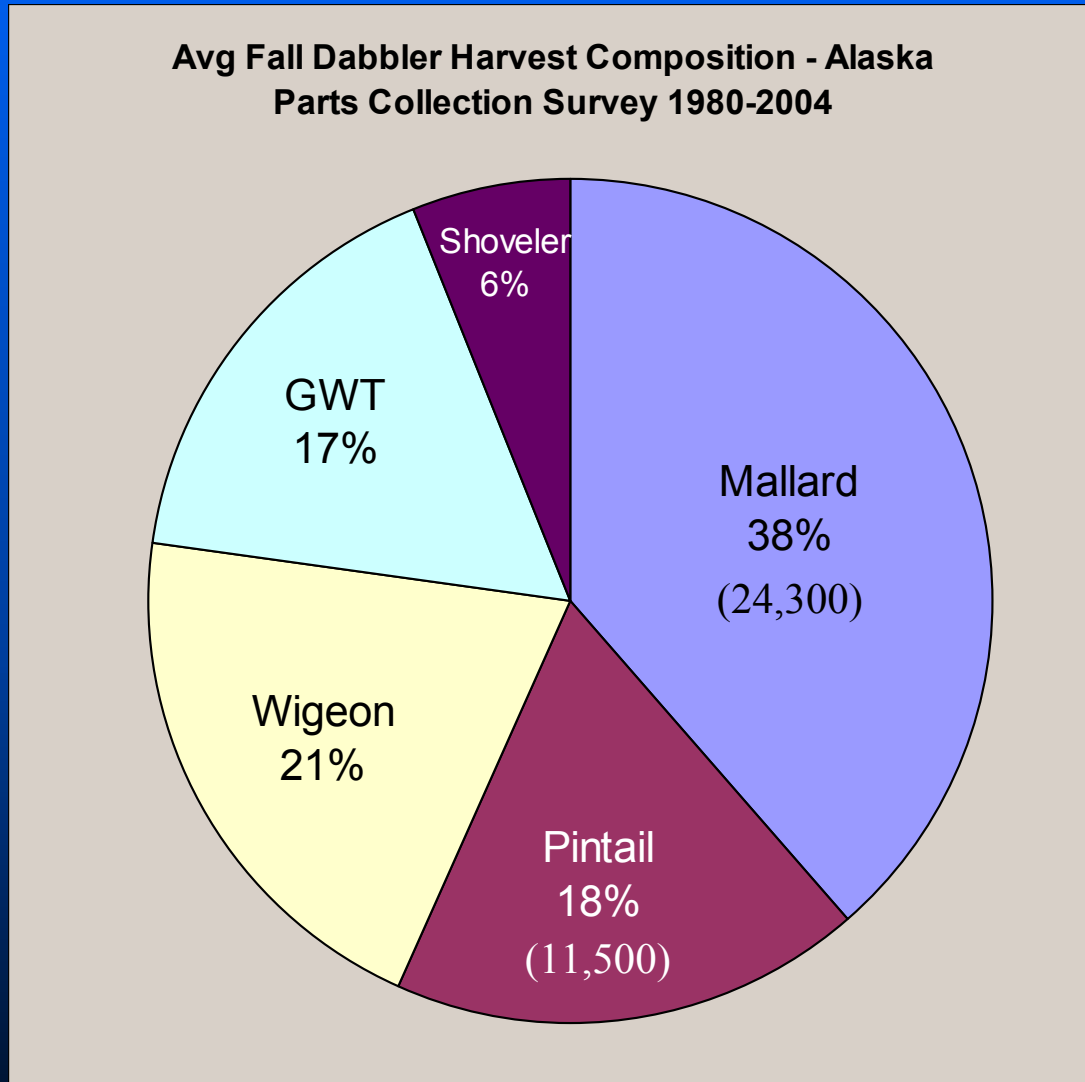
Relative Subsistence Harvest by Region

Species	Region										
	North Slope	Bering Strait	Interior	Northwest	Yukon Delta	South-central	Copper River	Bristol Bay	Kodiak	Aleutian Pribilof	Southeast
Black Brant		+++	+		+++	0	+	++	+	+++	
Emperor Goose		++	0		++	0	0	+	+	+	
L. Snow Goose		+++	++		++	0	0	+	0	0	
Aleutian Goose		0	0		0	0	0	0	0	0	
Tundra Swan		+	++		+++	+	+	++	0	+	
L. Sandhill Crane		+	++		+++	+	0	+	0	+	
Common Eider		++	0		+	0	0	+	0	0	
King Eider		++	0		+++	0	0	++	+	0	
Spectacled Eider		+	0		+	0	0	+	0	0	
Steller's Eider		+	0		+	0	0	+	0	0	
Long-tailed Duck		+	+		++	+	0	+	+	0	
Northern Pintail		+++	+++		+++	+	+	++	+	++	
Bar-tailed Godwit		0	+		++	0	0	+	0	0	
Pacific Golden-plover		0	0		+	0	0	+	0	0	
Large Shorebird		0	0		0	0	0	0	0	0	
Small Shorebird		+	0		+	0	+	0	0	0	
Glaucous Gull		++	0		+	+	0	+	0	0	

Key to Symbols:

- 0 = no birds reported taken
- + = 1-500 birds reported taken
- ++ = 501-3,000 birds reported taken
- +++ = over 3,001 birds reported taken

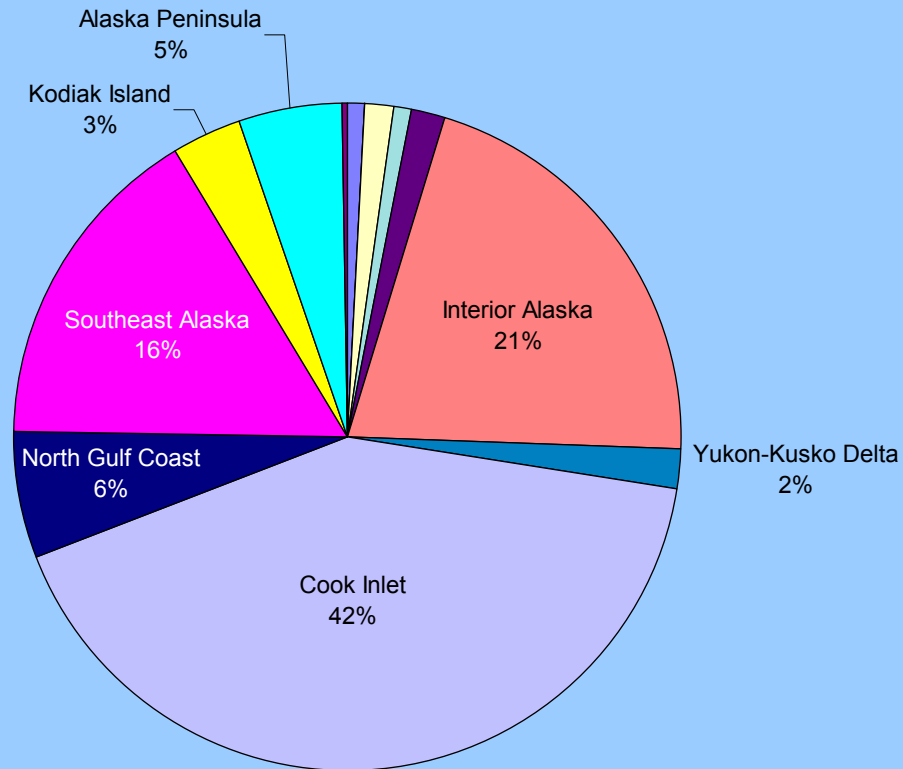
Avg. Fall Duck Harvest Composition - Alaska



Avg Total Duck Harvest = 76,000

Primary Fall Duck Harvest Areas

Relative Regional Fall Duck Harvest in Alaska



Avg Total Duck Harvest = 76,000

Primary Fall Harvest Sample Sites

- Tundra swan (permit hunts) ?
- Lesser snow goose ?
- Black brant
 - Izembek NWR/SGR (600 brant)
- Aleutian goose ?
- Pintails/dabblers
 - Minto SGR (6,000 ducks)
 - Susitna, Palmer SGR (17,000 ducks)
 - Mendenhall SGR (2,500 ducks)
- Long-tail, Common eider, King eider
 - Kodiak, Kachemak Bay (w/guides)
- Lesser sandhill crane
 - Delta Junction (600-800 cranes)

“Downstream” Surveillance

Pacific & Central Flyways

1. Tundra swan (MT, UT, NV, ND, SD)
2. Northern pintail
3. Lesser snow goose
4. Lesser sandhill crane (MCP)

Secondary

5. Cackling goose
6. Greater white-fronted goose
7. Mallard
8. American wigeon
9. American green-winged teal
10. Northern shoveler

Atlantic & Mississippi Flyways

1. Tundra swan (VA, NC)
2. Greater scaup

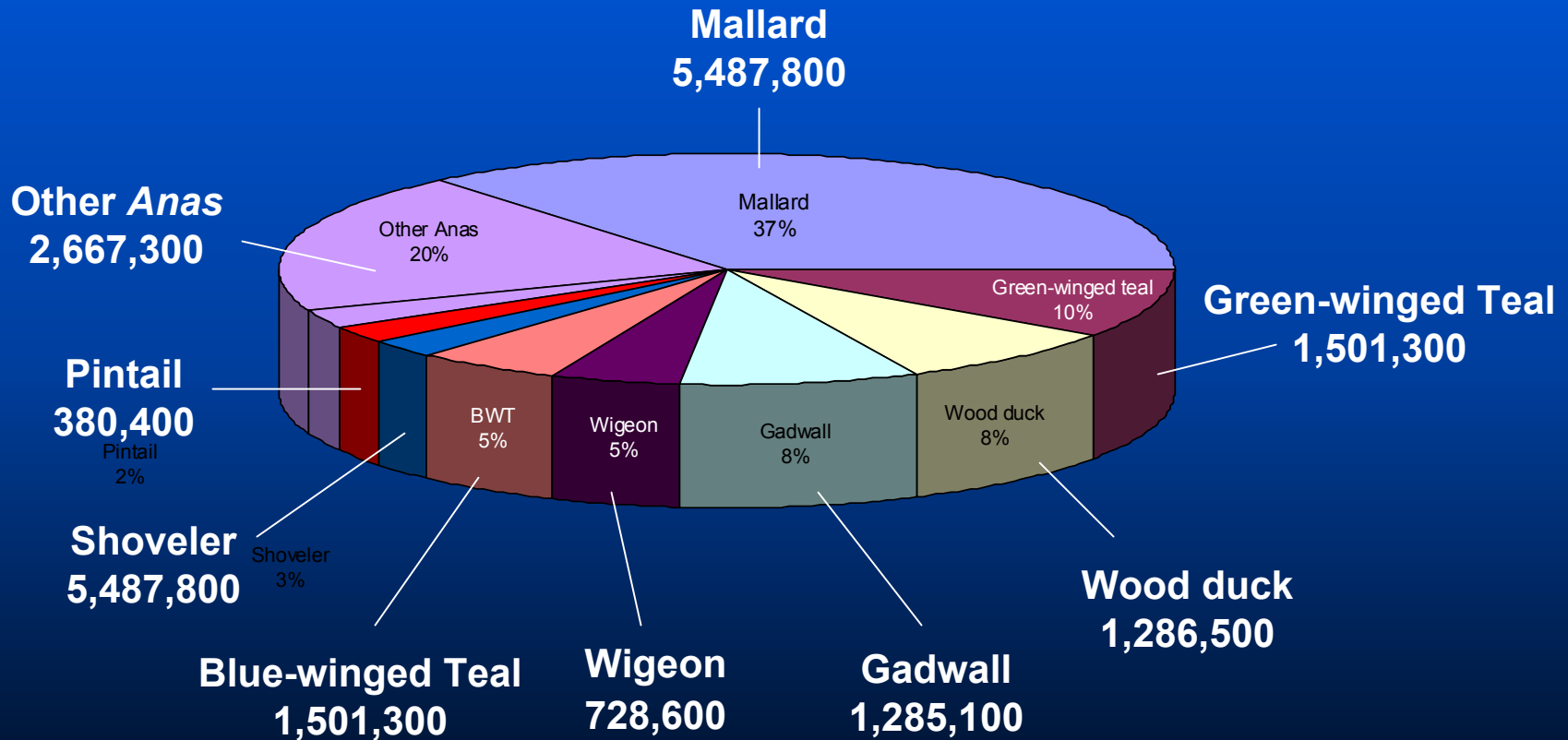
Secondary

3. Lesser scaup
4. Canvasback
5. Mallard
6. American wigeon
7. American green-winged teal
8. Northern shoveler

Species Composition

2002 North American Sport Duck Harvest

Total harvest \approx 13,950,300 ducks



Revenge of the Gamebirds

