

Wild Bird Surveillance

Avian Influenza



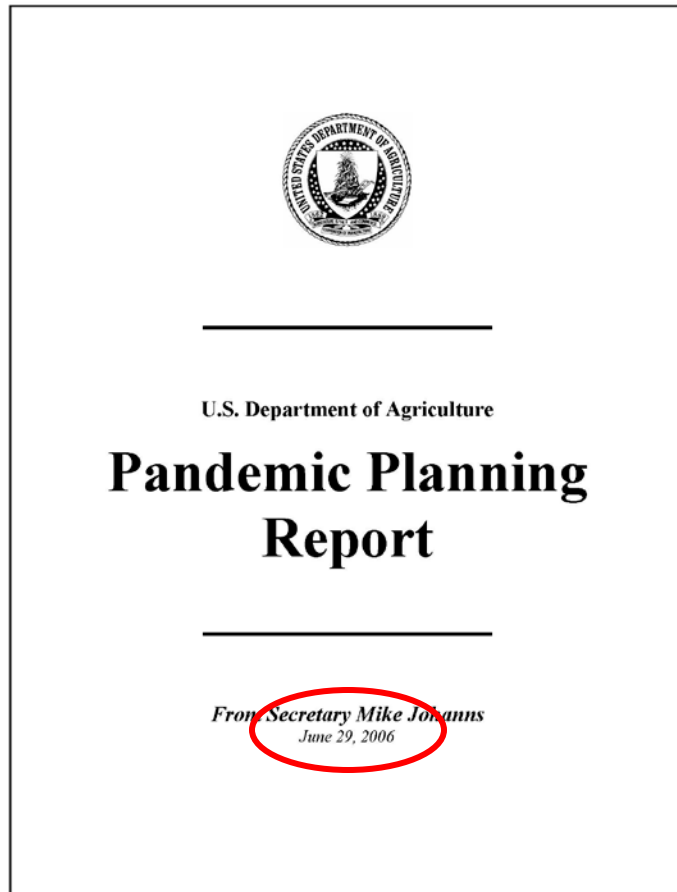
Robin Dyer
State Director



Protecting People | Protecting Agriculture | Protecting Wildlife



Wild Bird Surveillance



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2006 – 2009 Wild Bird Surveillance

- Live Bird
- Hunter Harvest
- Morbidity/Mortality
- Sentinel
- Environmental

| Target Species |
|----------------|
| Waterfowl |
| • Ducks |
| • Geese |
| Shorebirds |



2006 – 2009 Wild Bird Surveillance

- **Live Bird**
- Hunter Harvest
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2015 Wild Bird Surveillance

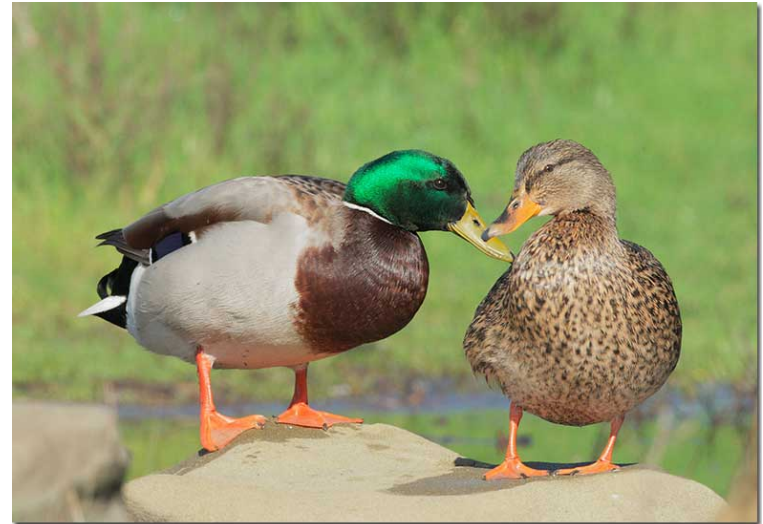
- Live Bird
- Hunter Harvest
- Morbidity/Mortality
- ~~Sentinel~~
- ~~Environmental~~



Target Species

Dabbling Ducks

| | |
|------------------|-----------------------------|
| *Mallard | *American Green-winged Teal |
| Northern Pintail | *American Black Duck |
| *Wood Duck | *Blue-winged Teal |
| Cinnamon Teal | Northern Shoveler |
| Gadwall | American Wigeon |
| Mottled Duck | Fulvous Whistling Duck |

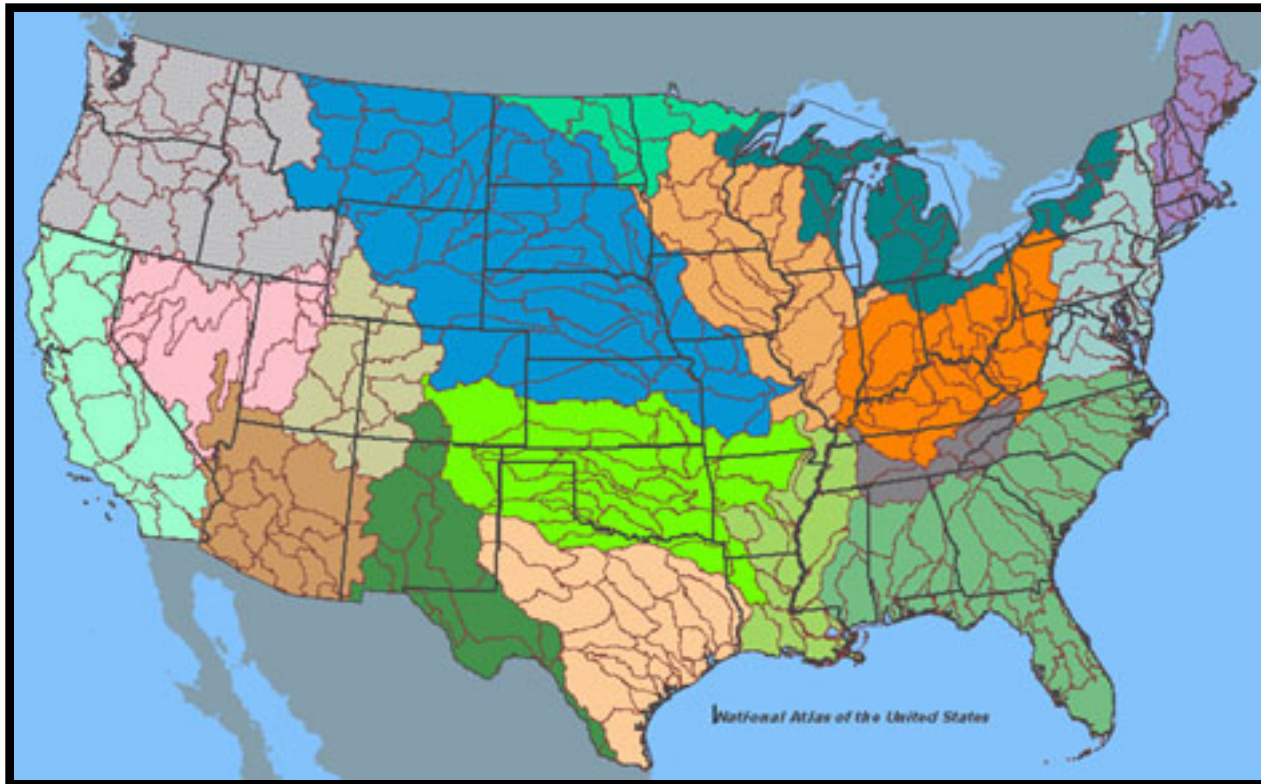


2015 Sampling Size Determinations

- Population estimates of dabbling ducks at the watershed scale
 - Banding data
 - Annual estimated dabbler population
 - Breeding bird survey data
- Watershed selection partially based on lessons learned during the last AI wild bird sampling effort
 - Influenza clusters
 - High intra- and inter-flyway mixing of dabbling ducks
 - Temperature constraints and virus survival



2015 Surveillance Focus Sub-Regional Watersheds



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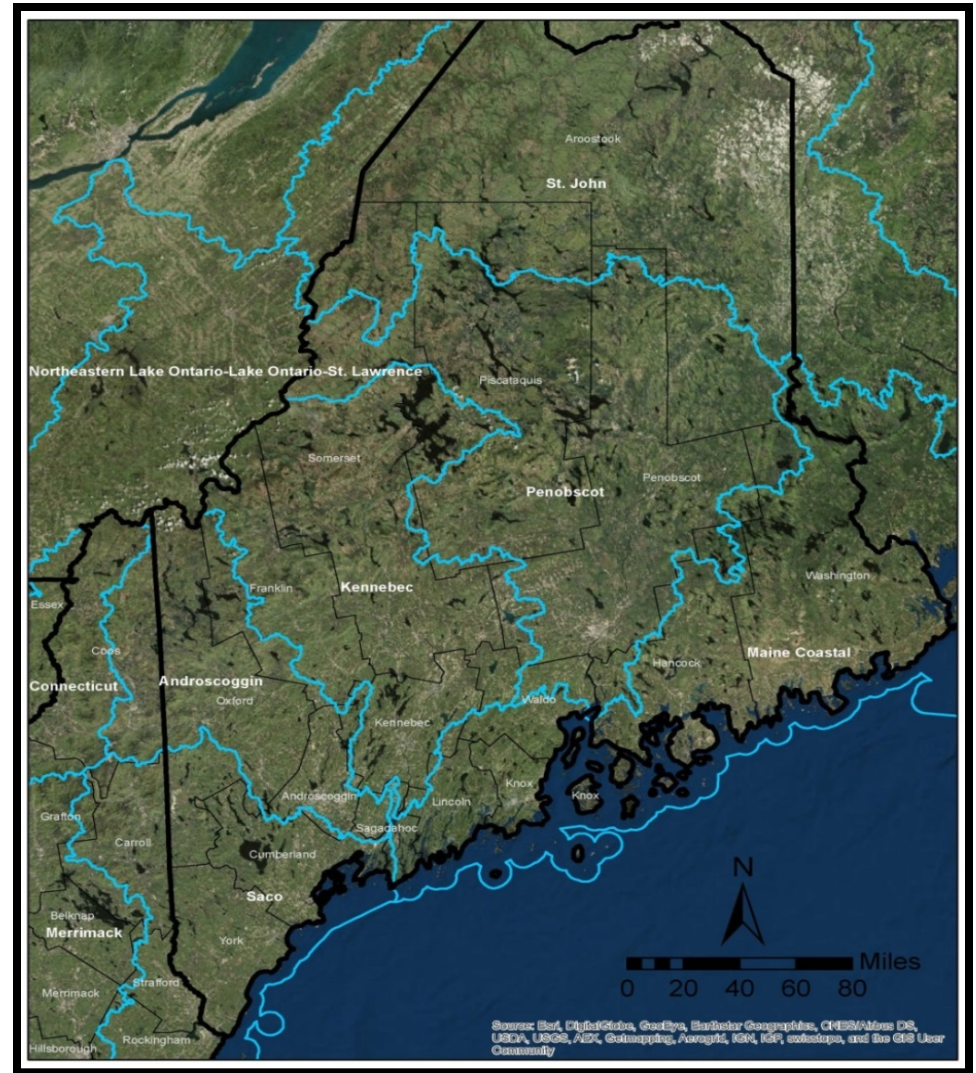
Maine Watersheds

Six Watersheds

- St. John
- Penobscot
- Kennebec
- Maine Coastal
- Androscoggin
- Saco

Collection Periods

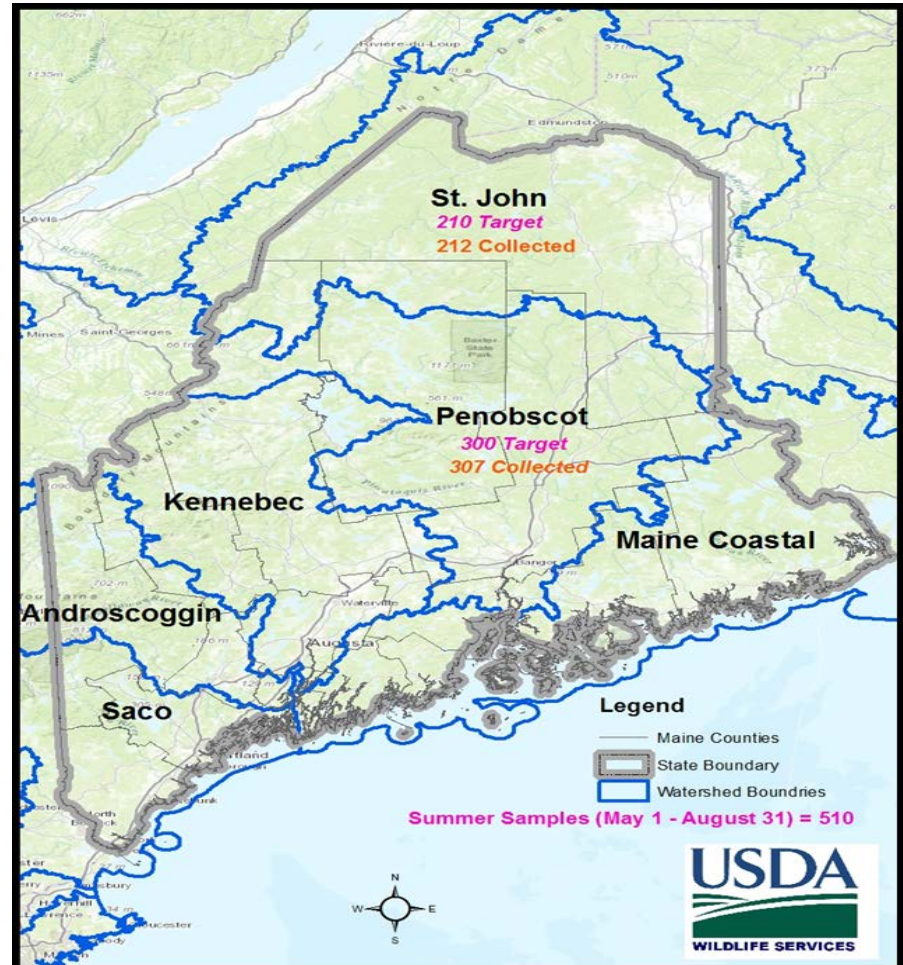
- Summer breeding season
 - May 1 – August 31
- Fall Migratory Season
 - September 1 – December 30
- Over-wintering Season
 - January 1 – February 29



2015 Summer Sampling

- Live Bird
- Hunter Harvest
- Morbidity/Mortality

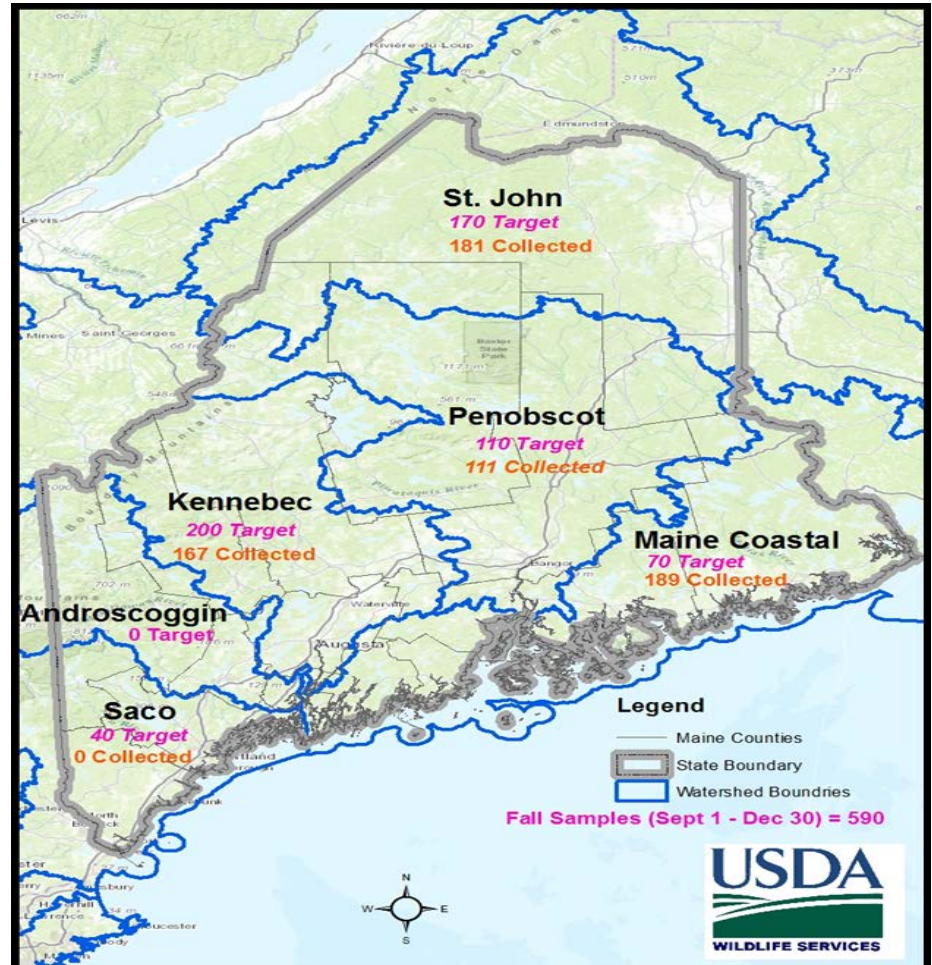
| | Collected | Target # |
|-----------|-----------|----------|
| St. John | 212 | 210 |
| Penobscot | 307 | 300 |



2015 Fall Sampling

- Live Bird
- Hunter Harvest
- Morbidity/Mortality

| | Collected | Target # |
|---------------|-----------|----------|
| St. John | 181 | 170 |
| Penobscot | 111 | 110 |
| Maine Coastal | 189 | 70 |
| Kennebec | 167 | 200 |
| Saco | 0 | 40 |



ENTITY COLLABORATION



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