Seasonal high counts, 2011–2022 OPAS

Looking back

Peak and Average Numbers of Swans counted by OPAS Volunteers in the Sequim-Dungeness Valley, 2011–2022

- Highest Count of Swans per Season
- Avg. Swan count per Survey
- Avg. count Juvenile Swans per Survey
- Avg. Percent Juvenile Swans per Survey

[Bar chart depicting the peak and average numbers of swans counted by OPAS volunteers from 2011-12 to 2021-22]
2021–2022 results, OPAS
Total adult and juvenile swans, week by week

Numbers of Swans counted by OPAS Volunteers in the Sequim-Dungeness Valley, 2021–2022

- 7 Dec–15 Feb: “Non-breeding season”
- < 30 Nov: “Post-breeding migratory”
- > 22 Feb: “Pre-breeding migratory”

* Age not recorded in all locations.
2021–2022 results, OPAS
Daytime locations used through season

Locations occupied by Swans observed by
OPAS Volunteers in the Sequim-Dungeness Valley, 2021–2022

- Pt Williams/Schmuck/Graysmarsh
- Lamar Rd/W of Game Farm
- S-D Way/TheFarm/Evans Rd/Medsker Rd
- Airport Area
- Anderson Rd/Clapp/Clark Farms
- Ward Rd/Woodcock Rd/Kirner Rd
- Delta Farm/Towne Rd
- Other
2021–2022 results, OPAS
Daytime habitats types used through season

Forage site needs

- Nutrition
- Water & grit (water day & night, even if food is a lesser quality)
- Proximity to roosting

Percent Diurnal Habitats used by Trumpeter and Tundra Swans in the Sequim-Dungeness Valley, 2021–2022

- Observed by Olympic Peninsula Audubon Society Volunteers
- N = 2441 Swan sightings in recorded habitats

- Pasture 59%
- Cornfield stubble 20%
- Carrot field 13%
- Potato <1%
- Fallow field 3%
- Cover Crop 5%

grass–legume cover crop
2019–2022 results, OPAS
Year-to-year usage by habitat type

**Autumn / Winter: Carbohydrates and fats**
**Late Winter / Spring: Green protein**

- Crop plantings differ every year
- Meeting nutritional needs
- Incentivized habitat: WDFW cannot compensate for crop damage, but can work with farmers to help soil tilth and benefit swan habitat
2019–2022 results, OPAS
Week by week habitat types

Through three seasons:

- Diverse sources of nutrients
- Spring & green protein
- Carrot field mitigations:
  19–20 few carrots;
  20–21 short term hazing effort;
  21–22 cover cloth and hazing
Roosting Survey
Through four winters, 2018–2022

Roosting Locations Used by Swans, Observed by OPAS Volunteers at Dawn

MARSH POND
- Roberta’s Pond
- Pond west of Game Farm

SLOUGHS
- Gierin marsh / Graysmarsh

POND
- Pond (SE)
- Pond (SW)
- Kirner Pond
- Cat Lake (not Nov ‘20)

BAYS
- (0) Three Crabs
- (0) Dungeness Bay
Roosting Survey
2020–21 and 2021–22: four surveys each

Roosting Locations Used by Swans, Observed by OPAS Volunteers at Dawn, 2020–2021

Roosting Locations Used by Swans, Observed by OPAS Volunteers at Dawn, 2021–2022