

# PMLA Geese Management

HOA Board meeting June 18, 2022



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## Geese Lifestyle Choices

- Naturally migratory (up to 3K miles!)
- Return to area born for mating & nesting
- Lay 4-10 eggs once each spring
- >5,000,000 in North America
- Live 10-25 years
- Main diet is grasses



## Where They Roam



# Geese Problems / Impact\$

- Feather\$ & fece\$ on dock\$, lawn\$, beache\$, golf cour\$e
- Wildlife-member/guest conflicts
- Nutrients swept and drained into lake
- Pathogens everywhere (*likely* Histoplasmosis, e coli,
   Salmonella, Avian Influenza; *maybe* leptospirosis, listeria, giardia)







- Geese are prolific
  - ~300 geese x 2-3 lbs feces/day
  - Each nest has 4-10 eggs
- Staff clean up feces & feathers
  - 4 workers x 6 hrs/day x 7 days/week x 26 weeks
- Pathogen indicator monitoring
  - Weekly expense to sample, analyze, report
  - Exceedances close beaches

# Why is it Getting Worse?

- Lots of nesting areas
- Few predators
- Easy to avoid harassment
- Fed by residents
- Climate beats Canada





Documenting & planning what gets done

#### **MANAGEMENT PLAN**



#### Outreach Measures

- "No-feeding!" signs
- Newspaper articles
- Facebook posts
- Emails
- Flyers / handouts
- Townhall meeting





## Prevention Measures

- Clean Daily remove of feathers & feces
- Modify habitat buffer strips, replace sod
- Oil eggs Find nests in spring (easy permit)





- Dock spiders
- Goosinator harassment
- Laser pointers
- Repellent spray on grass





## Monitoring Activities

- Monthly geese counts
- Staff time tracking
- Pathogen indicators at swim areas
- Pathogens in feces





# Measures Tried/Considered but Deemed Ineffective

Disturb/ harass	Laser pointers – only after dark Working dogs – \$\$, chase everything Goosinator – staff time, only beaches Chemical spray – irrigation dilutes Noise makers – bothersome, 911 calls
Competition	Swan pairs – too friendly Other waterfowl – too small
Roundup/ Remove	Permit – tough to get Release – where? Come back Render – contracts to render & receive



## Other Experiences

- Lake Wildwood (geese toxin outbreak)
   & Lake of the Pines (nuisance)
- Did & do lot\$ (oil eggs, clean, outreach, landscape, harass, etc.)
- Monitored: more geese → more pathogens
- Both obtained depredation permits (hunted)



#### Next-Level Measures

- How much (time & effort) is too much?
- Hunting option
  - Licensed hunting guide with crew of ~5
  - 10 geese/hunter-day
  - No monetary transactions



#### Next Steps

- Townhall meeting w/ members (Aug.27?)
- Finalize Geese Management Plan
- Decide what more to do
- Summarize 2022 impacts & efforts



- Status quo risks health and safety
- Staff are out-competed on a large playing field
- Costs > benefits for current controls
- Managed hunting should be an option



## For more information

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