



MARKHAM GENERAL COMMITTEE

AGENDA ITEM 7.8

Tuesday June 16, 2026

SUBMISSION BY FRED PETERS

CHAIR, FRIENDS OF SWAN LAKE PARK

THANK YOU TO OUR FINANCIAL PARTNERS



UA LOCAL 46
SUPERIOR PIPING SKILLS SINCE 1890



WALKER PARKER
— REAL ESTATE —

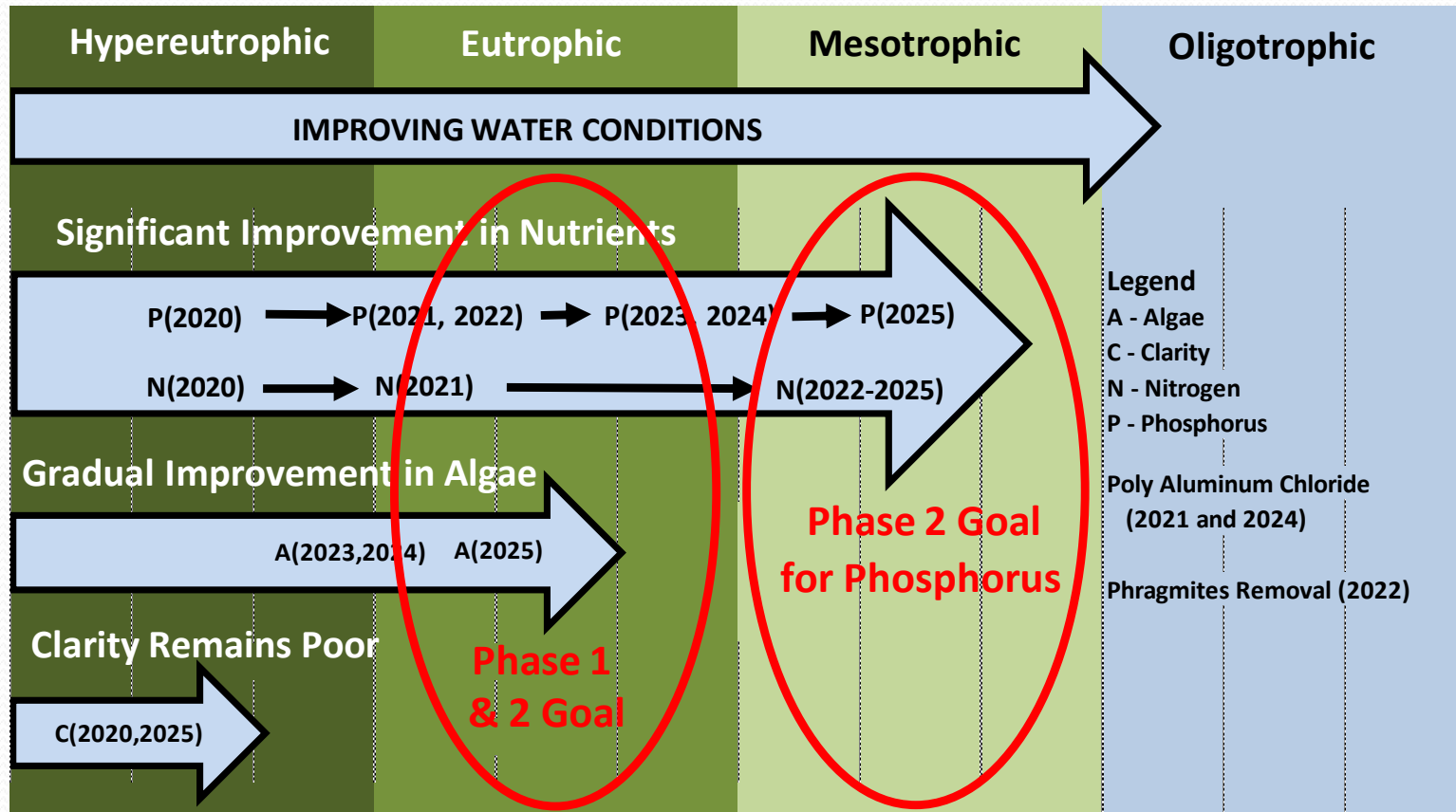
AMICA
SWAN LAKE

Proposed Amendments the MSC Minutes:

- 1) FOSLP endorses the Phase 2 Plan approved by the MSC subject to the following amendments:
 - a) Amend Phase 2 Plan to document stated intentions:
 - i. Return of the water fountain by 2028
 - ii. Define the criteria that will trigger remedial action in the event stated levels are exceeded
 - b) Amend to include an additional Phase 2 task:
 - During the assumption of the stormwater ponds, undertake assessment of benefits and issues of altering flow splitters to reduce road salt inflows by 30%
- 2) Amend MSC resolution to confirm staff's the ongoing engagement with FOSLP

Define Trigger Points For Next Chemical Treatment

SWAN LAKE WATER QUALITY: PHASE 1 CHANGES 2020 - 2025



Intention is for “adjusted frequency and dosage” but no “trigger” defined

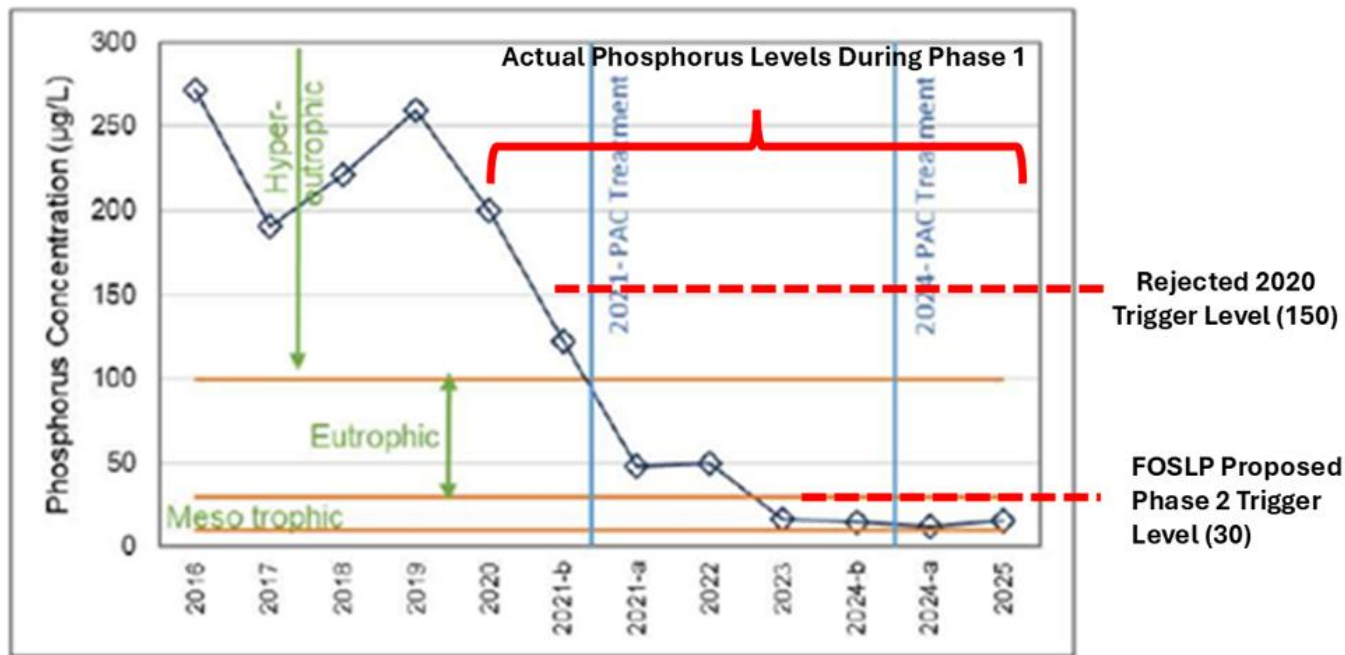
- Avoid risk of phosphorus backsliding (initial estimate was 2-year benefit)
- Establish 2-year trigger points, if P and Nitrogen no longer in Mesotrophic range.

Define Action “Triggers”

Phase 2 plan stated goal is to maintain Mesotrophic levels for phosphorus.
Two actions: 1) Continued geese management 2) Future chemical treatments

Phase 2 plan does not document what levels and frequency of exceeding levels would trigger the next chemical treatment.

Adopt the proposed 2020 model of two seasons of exceeding defined levels.



Minimizing the Impact of Road Salt

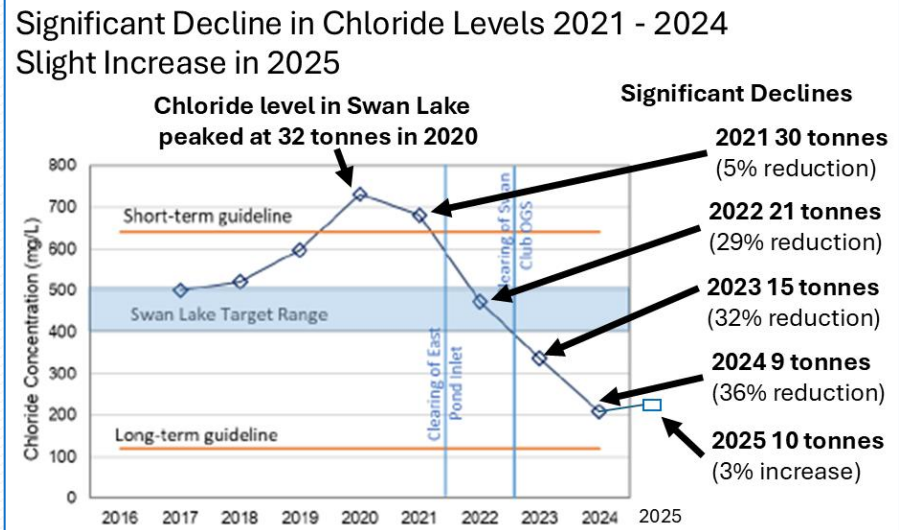
Staff comments:

- ***“the lake remains sensitive to external inputs and ongoing watershed influences:”***
 - Primarily geese, stormwater inflows, groundwater
 - Chloride concentrations ***“remain governed by external loading associated with road salt use and watershed processes”***
- ✓ Continued action proposed to reduce impact of geese
- ✓ Effort to better understand groundwater influence
- X No direct actions proposed for Phase 2 to reduce inflows:

Further Efforts Needed to Reduce Road Salt

Each year, over 5 tonnes of road salt (3 tonnes of chloride) enter the lake

Significant declines but over 10 tonnes of chloride still active



Low-cost solution (\$125,000) to reduce inflows by 30%

- Investigate the benefits of redesigning the Flow Splitters upon Markham's assumption of the two ponds

Proposed Amendments to the Phase 2 Program

FOSLP requests that the General Committee support the core recommendations for Phase 2 subject to the following amendments:

- 1) Document the stated intentions for future managers:
 - a) On returning the fountain by 2028
 - b) On what conditions and levels will trigger the need for remedial action
- 2) During the assumption of the stormwater ponds, undertake an assessment of the benefits and issues related to altering the flow splitter design.

Phase 2 Amendments (continued)

- 3) Acknowledge the mandate from the General Committee for staff engagement with Friends of Swan Lake Park

“That Staff report back annually on water quality results through the Markham Subcommittee with the participation of Friends of Swan Lake Park”



FOCUSED ON REHABILITATION OF SWAN LAKE AND SWAN LAKE PARK

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CaTECH
CONNECTING THE PLANET

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