

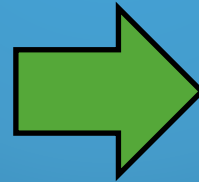


# Realizing Community Goals For Water Quality

FROM THIS



BACK TO THIS



Submission to Markham Council

December 14, 2021

# Restoration Attainable But More Work Needed!

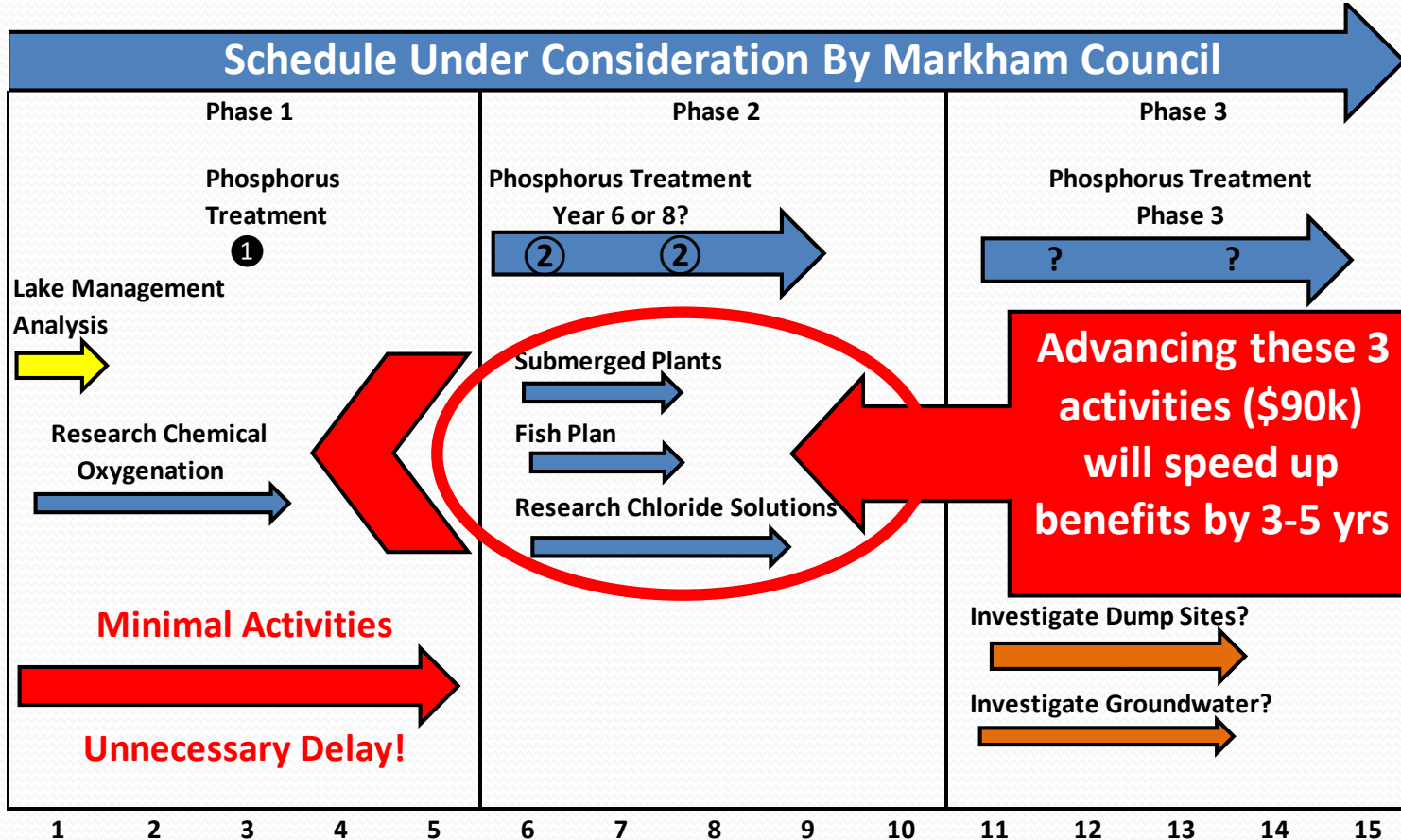
Proposed program an improvement but does not:

- Address Community Objectives
- Provide a Pathway Forward to Restoration
- Move fast enough on three small programs

## Our request:

- 1) **Endorse** staff program, Lake Management review and \$10k for geese and fish management programs
- 2) **Amend recommendation** to advance three low- cost programs (\$90k) into Phase 1 (initial 5 years)
  - i) Research into chloride solutions
  - ii) planting submerged plants
  - iii) stocking with small fish
- 3) **Direct staff** to outline actions to achieve and maintain restoration

# Advance 3 Essential Activities into Phase 1



## Review #1 (Year 5/6)

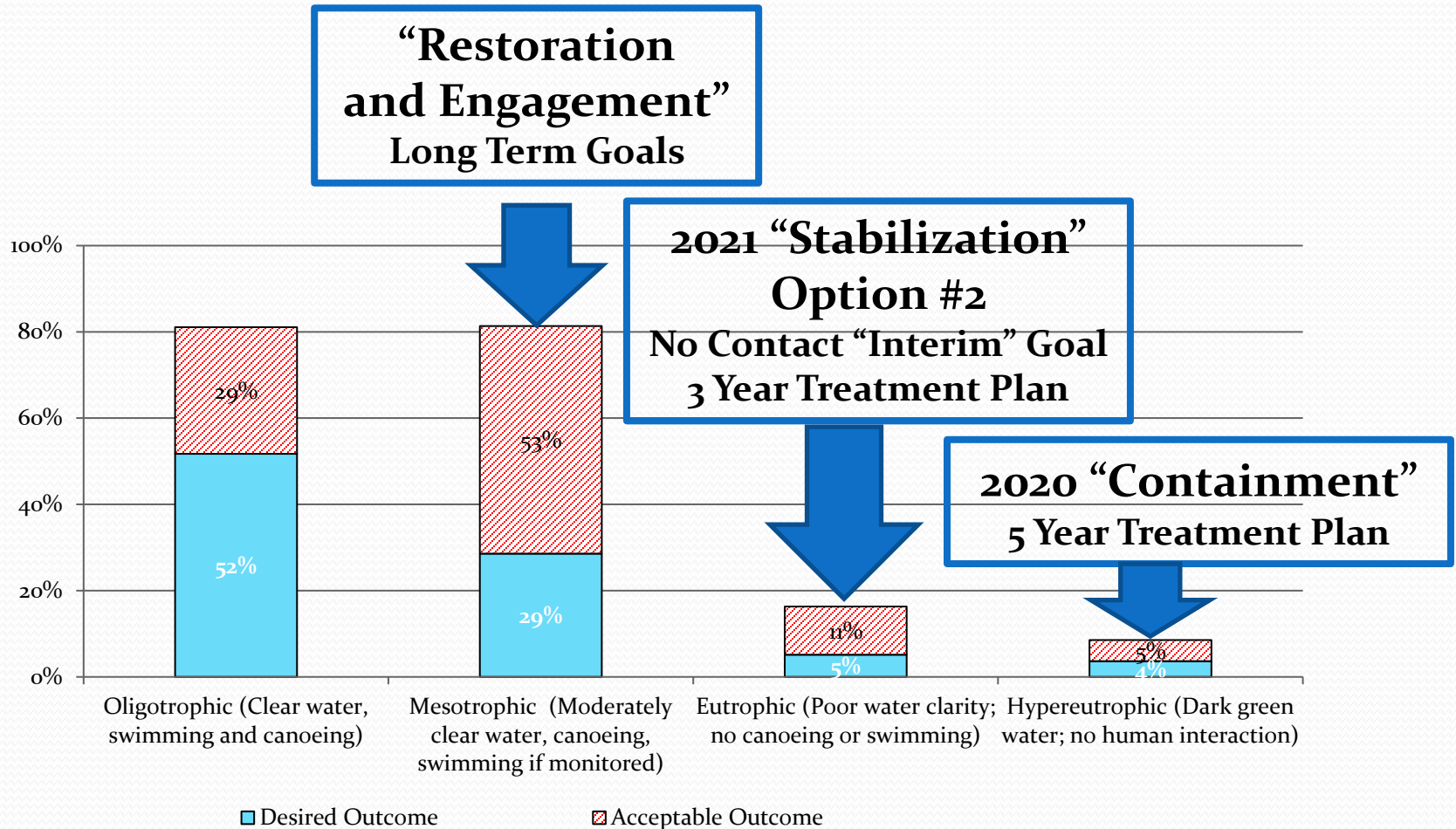
- 1) Assess targets
- 2) Set Phosphorus treatment schedule
- 3) Approve Phase 2 activities

## Review #2 (Year 10/ 11)

- 1) Assess targets
- 2) Set Phosphorus treatment schedule
- 3) Assess Phase 2 activities
- 4) Approve Phase 3 activities

# Proposed Program Falls Short of Community Objectives

## Over 82% of Respondents Call For Restoration



# Restoration Challenging but Attainable

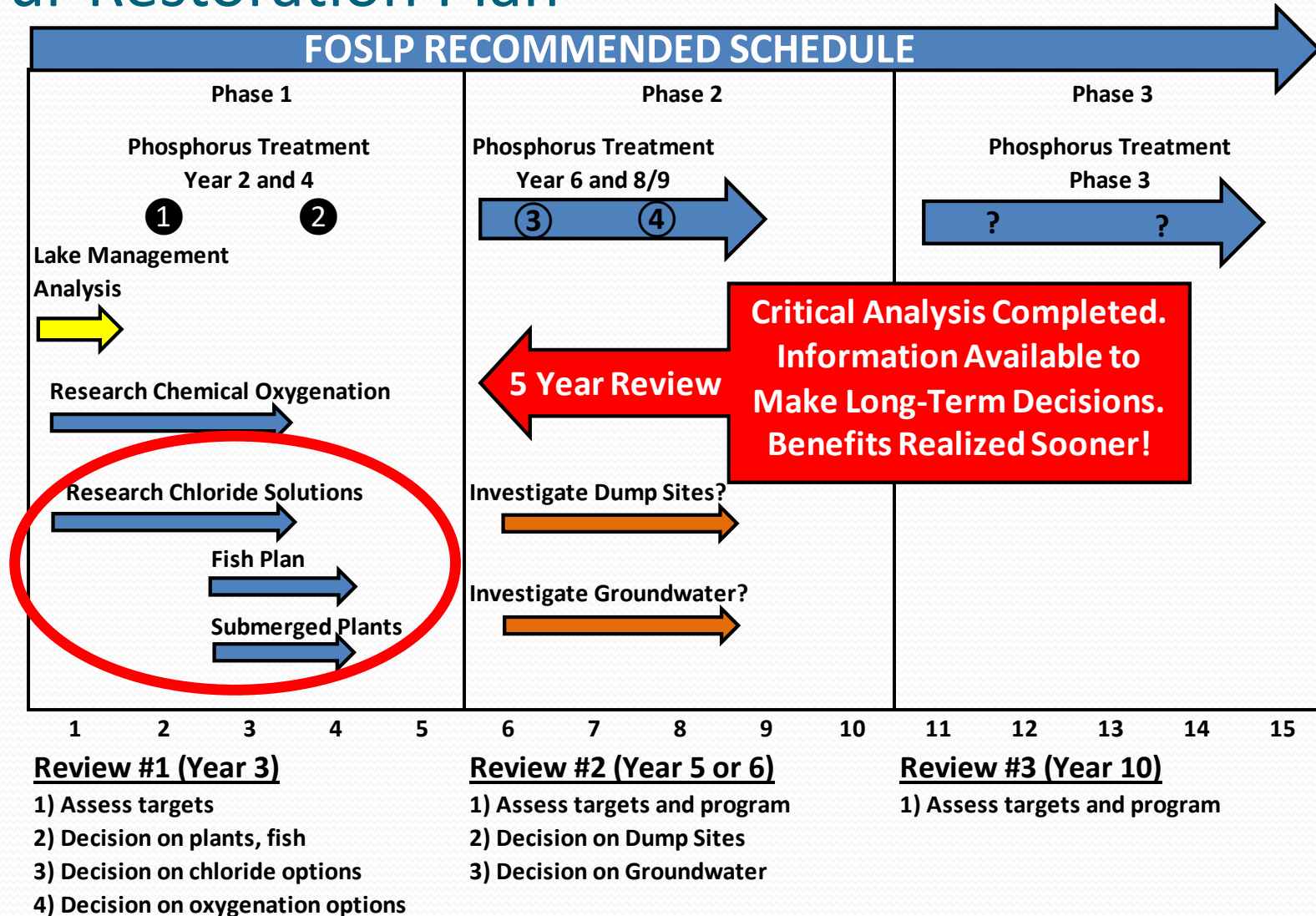
- Restoration “almost” attainable by chemical treatment only
  - *“If external sources reduced 50% (geese management) and internal sources neutralized then can attain “almost mesotrophic”, low phytoplankton biomass expected in 1<sup>st</sup>-2<sup>nd</sup> year AT”*  
[Scenario analysis, Freshwater Research (pg. 15/735) [Emphasis added]
- Chemical treatment only tool for neutralizing existing phosphorus in the lake (“internal sources”)

## Our Restoration Plan:

- 1) Treatment every 2 years (3-4 treatments then reduce)
- 2) Address oxygen and chloride issues

***Ask staff to provide their plan!***

# Our Restoration Plan







**Friends of  
Swan Lake Park**

# FOCUSED ON RESTORING SWAN LAKE AND SWAN LAKE PARK

FROM THIS



BACK TO THIS



## Thank You!