Approach for Considering Seasonal Considerations

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Background

- Statewide Nutrient Policy Approach is fundamentally dry weather paradigm
  - Focus summer dry weather
- Need framework to evaluate when/if targets, allocations and/or management actions are needed
  - Wet weather
  - Winter dry weather

Steps in Evaluation

Discuss framework today

- Are options appropriate and complete?
- Does evaluation framework make sense?
- Is it evaluation framework complete?

Get feedback and revise if needed

Use finalized framework to evaluate SMR data

Approach


Literature Review
Identification of options based on review
Identify situations where options apply

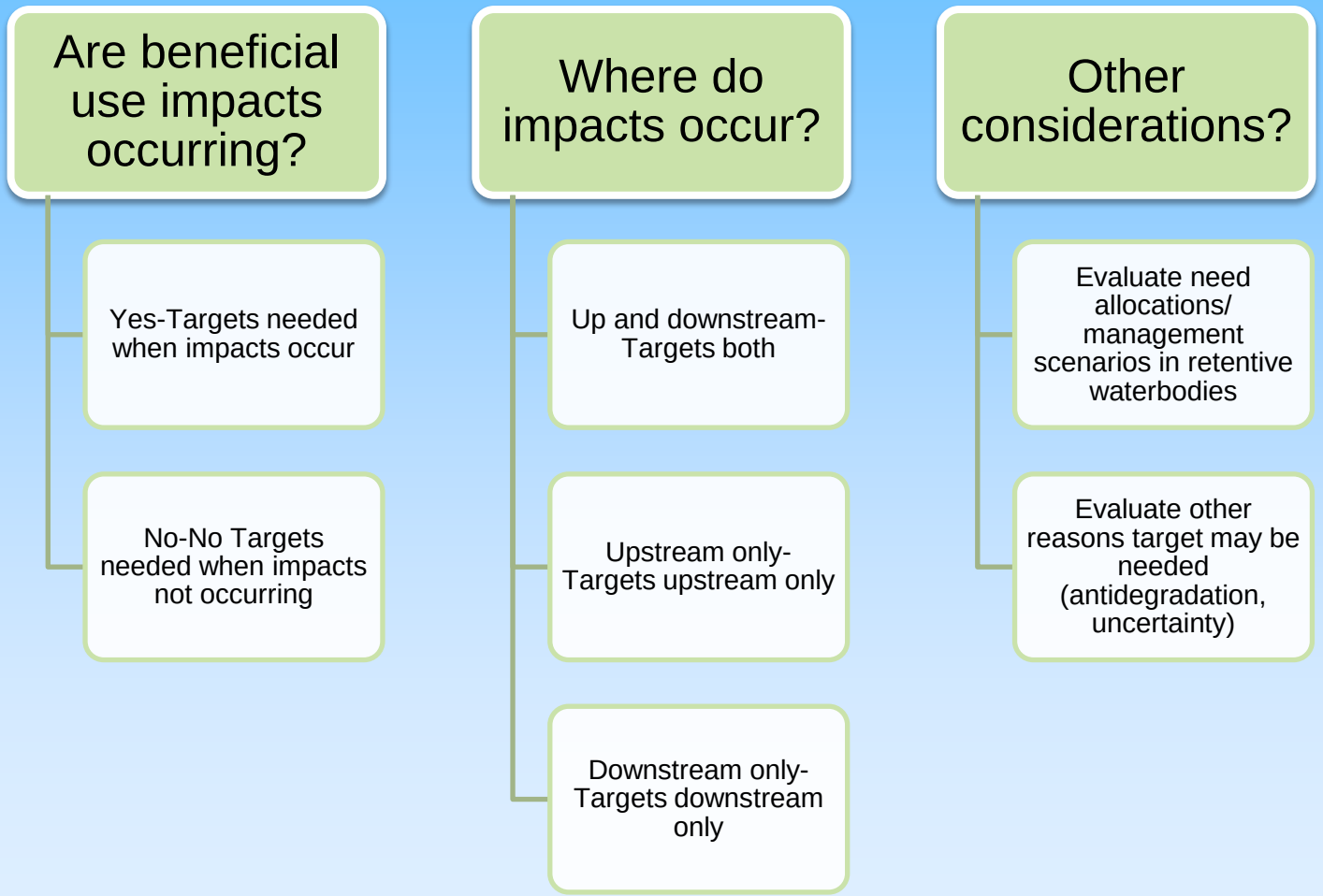
Options Wet Weather

- No targets if no beneficial use impacts
- No targets, but allocations/management actions needed to address beneficial use impacts during dry season
- Targets to address direct effects
  - Ammonia toxicity
  - Drinking water impacts
- Antidegradation or reference reach

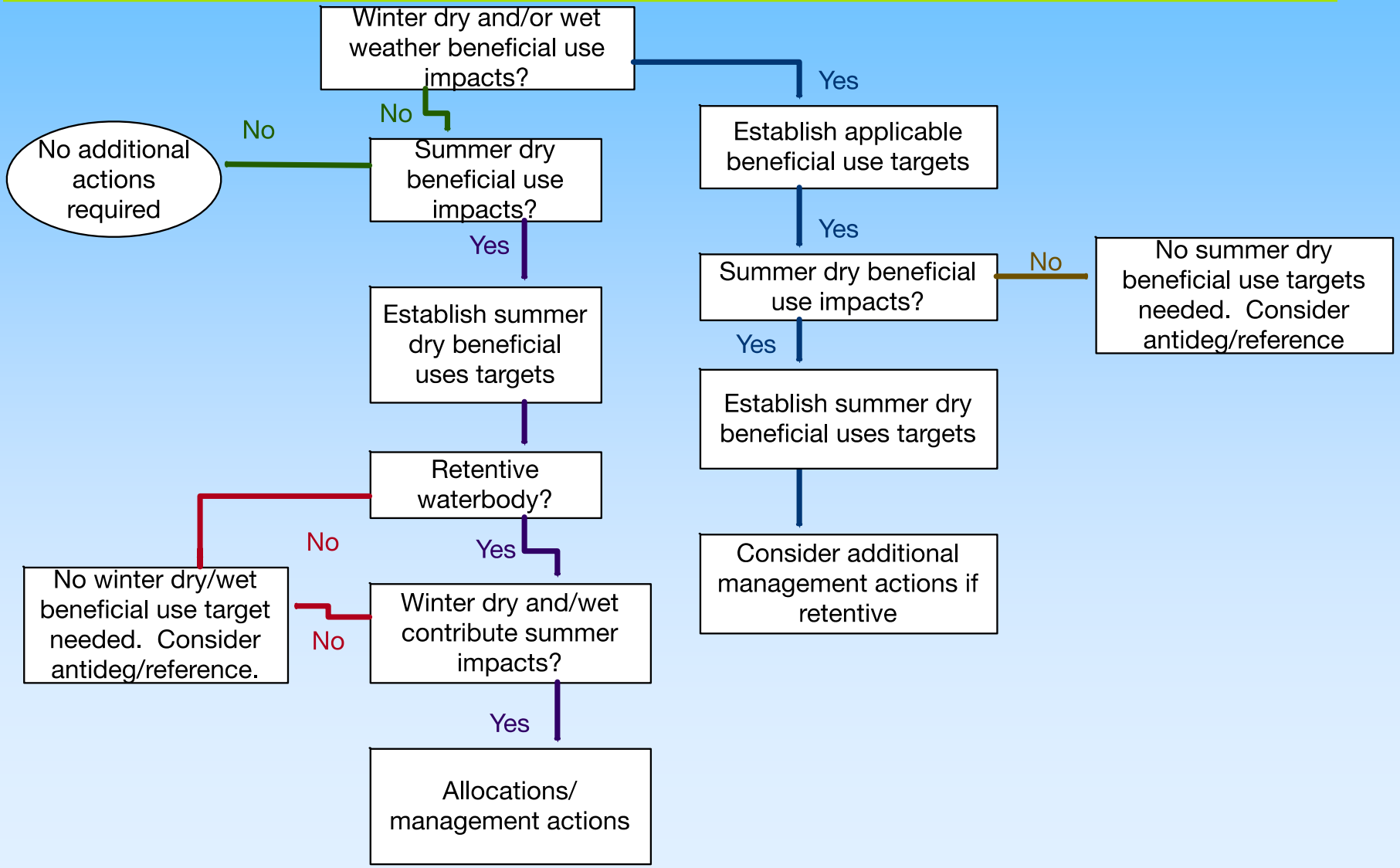
Options Winter Dry Weather

- No targets if no beneficial use impacts
- Targets to address direct effects
  - Ammonia toxicity
  - Drinking water impacts
- Targets to address indirect effects
  - Response variables (e.g. algal biomass, dissolved oxygen, percent cover)
  - Could identify targets for nutrients to address response variable
  - Could be equal to summer dry targets or different

Considerations Wet and Winter Dry



Evaluation Framework



Wet Weather Outcomes

	Green	Red	Purple	Brown	Blue
No Targets	X	X	X		
Antidegradation or Reference		X	X		
Direct effects				X	X
Allocations/ management actions			X		X (if waterbody retentive)

Winter Dry Outcomes

	Green	Red	Purple	Brown	Blue
No Targets	X	X	X		
Antidegradation or Reference		X	X		
Direct effects				X	X
Allocations/ management actions			X		X (if waterbody retentive)
Indirect effects equal to summer dry					X
Indirect effects different from summer dry				X	X

Discussion