

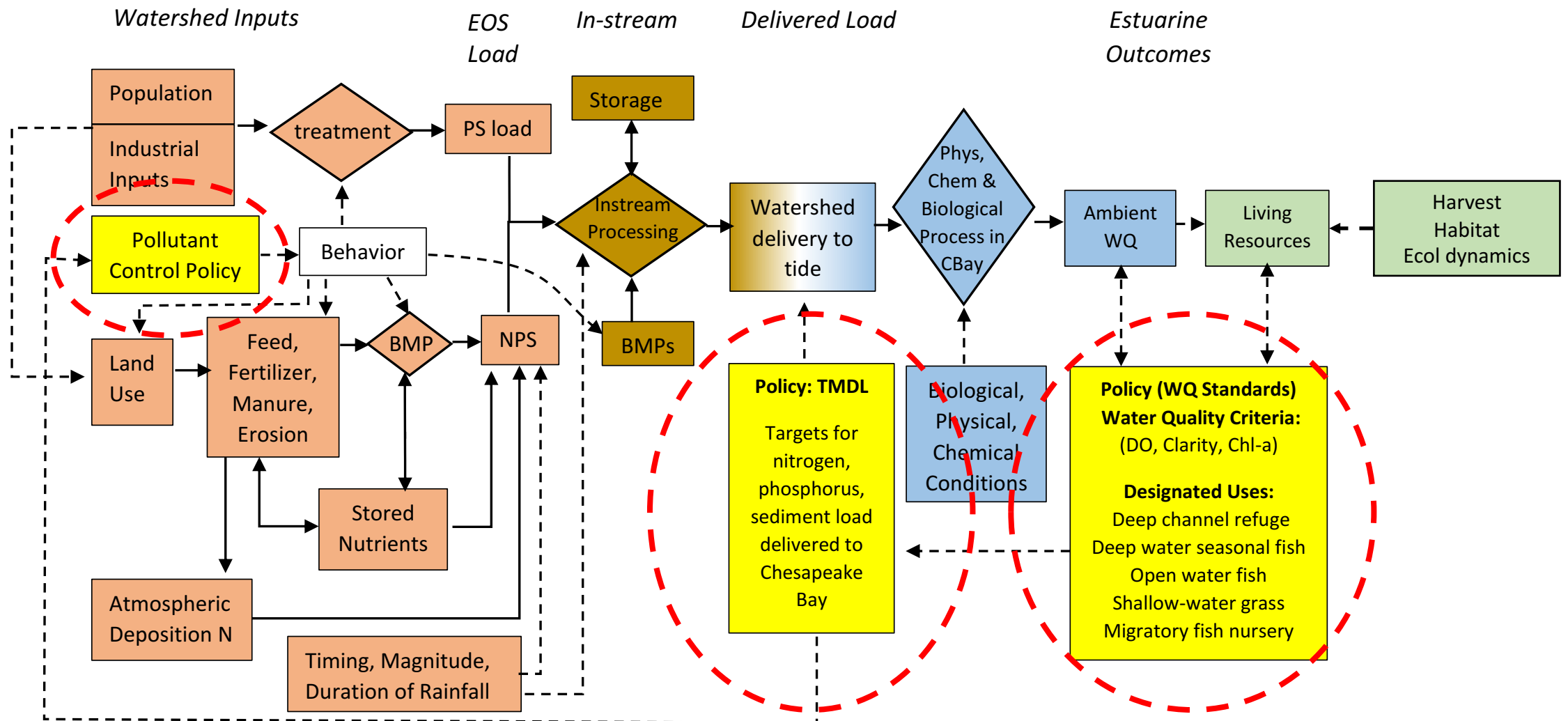
SGA Process Update and Discussion

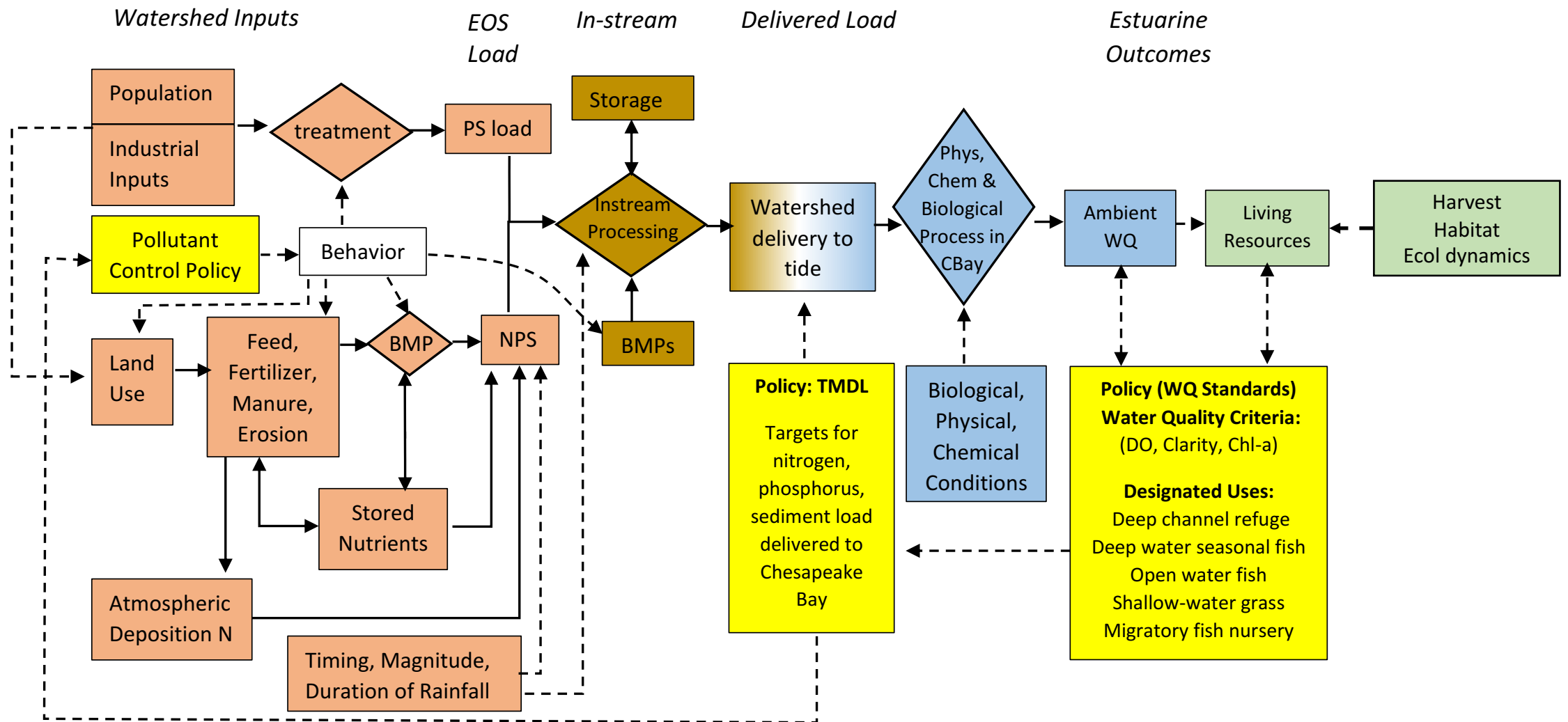
June 11, 2020

Achieving Water Quality Goals in the Chesapeake Bay: Evaluation of System Response

Objectives

- Identify gaps and uncertainties in system response —physical, chemical, biological, and socioeconomic— that impact efforts designed to attain WQS.
- Identify recent scientific developments that can shed light on the gaps and uncertainties in system response to advance efforts to attain WQS, and
- Recommend research strategies that improve understanding of system response to support informed decision making to attain WQS.
- Recommend strategies for integrating scientific and technical analysis with active adaptive management in order to aid decision-making under uncertainty.





The Value of this Effort

1. *What's the concern?*

Summarize & focus managers and engaged public's attention on key system response gaps related to achieving WQS

2. *What do we do with the findings in #1?*

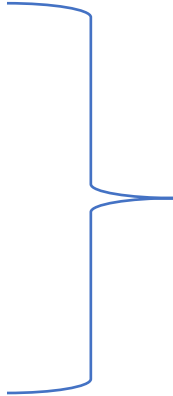
Recommend ways in which science can be better integrated with policy to improve decision-making under uncertainty.

Where are we?

What has been going on since March?

Tentative Report Outline:

- I. Introduction
- II. Evaluating Gaps and Uncertainties
in System Response: Background
and Approach
- III. Watershed Response**
- IV. Estuary Response**
- V. Living Resource Response**
- VI. A Knowledge Base for Bay
Management Uncertainty



Text largely unchanged since draft
distributed in March but
Revisions to section II in the works to
set up objective 4 ...
Conversations with Carl H. and Kirk
H. about adaptive management in
the CBay program.

“In achieving the advancements in knowledge about the Bay ecosystem, the efficacy of strategies, and the efficiency of the management program, there are at least four areas in which STAC can make important contributions:

1. conceptual models that frame management strategies;
2. decision making under uncertainty to develop management strategies;
3. monitoring programs that inform learning in the management effort; and
4. assessment of the effectiveness of management actions to inform future directions.”

-Carl Hershner and Kirk Havens

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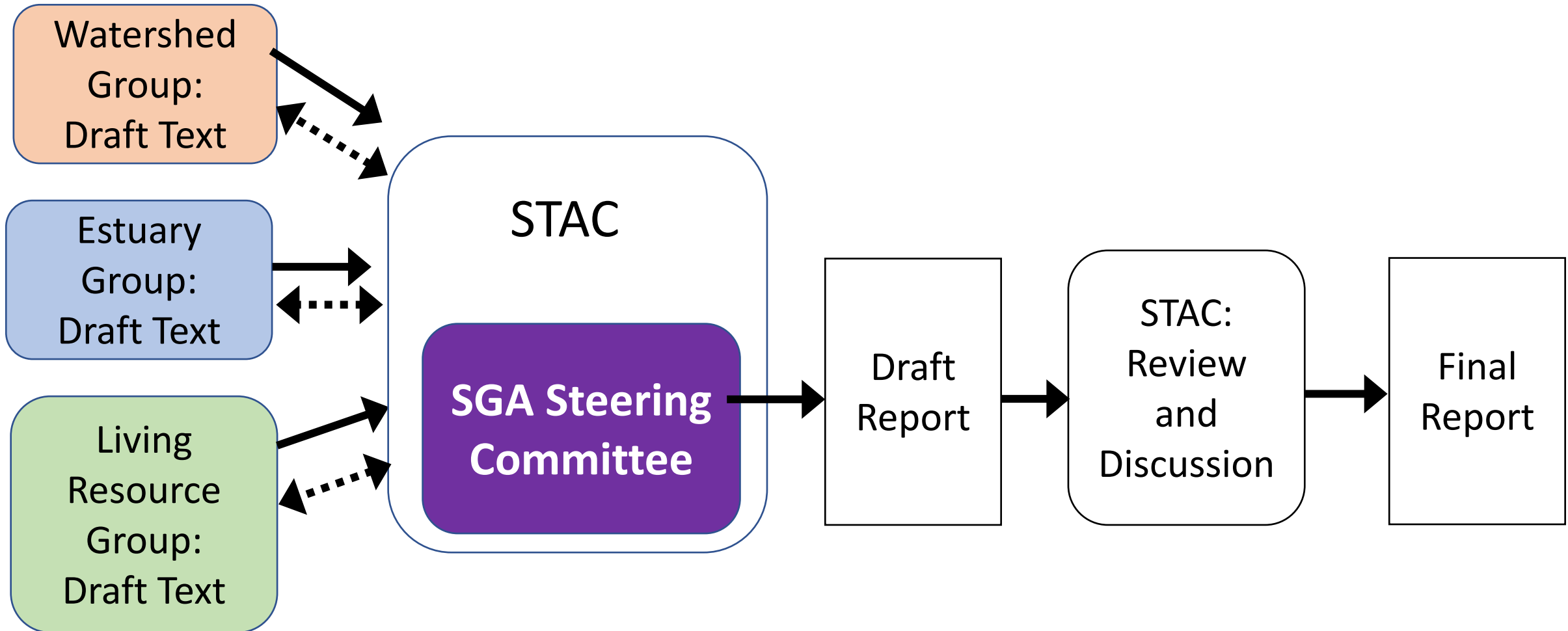


Workgroup updates to follow.

Independent and parallel interest and thoughts in this area emerging from Workgroup discussions

Next Steps

Process



Some Emerging Cross-cutting Coordination Issues

- Common nomenclature to discuss uncertainty/variability
- Policy/Management response to scientific uncertainty
 - “Adaptive Management”
 - Techniques/Analytical Approaches

Revised Tentative Timeline

Suggested Use of Some Meeting Time

Self-Imposed Schedule for Work Products

September 2020

L.R. Group

Watershed Text for Review

December 2020

Adaptive Management
Decision-making under uncertainty

Estuary Text for Review
Living Resource Text for Review

March 2021

Document Discussion/review

Section V

June 2021

Complete Draft Report for STAC
review/discussion

Draft Report

September 2021

Complete Report for STAC
review/discussion

Finalize Report