

Utah Lake Water Quality Study
Science Panel Meeting
February 8, 2019
Salt Lake City, UT

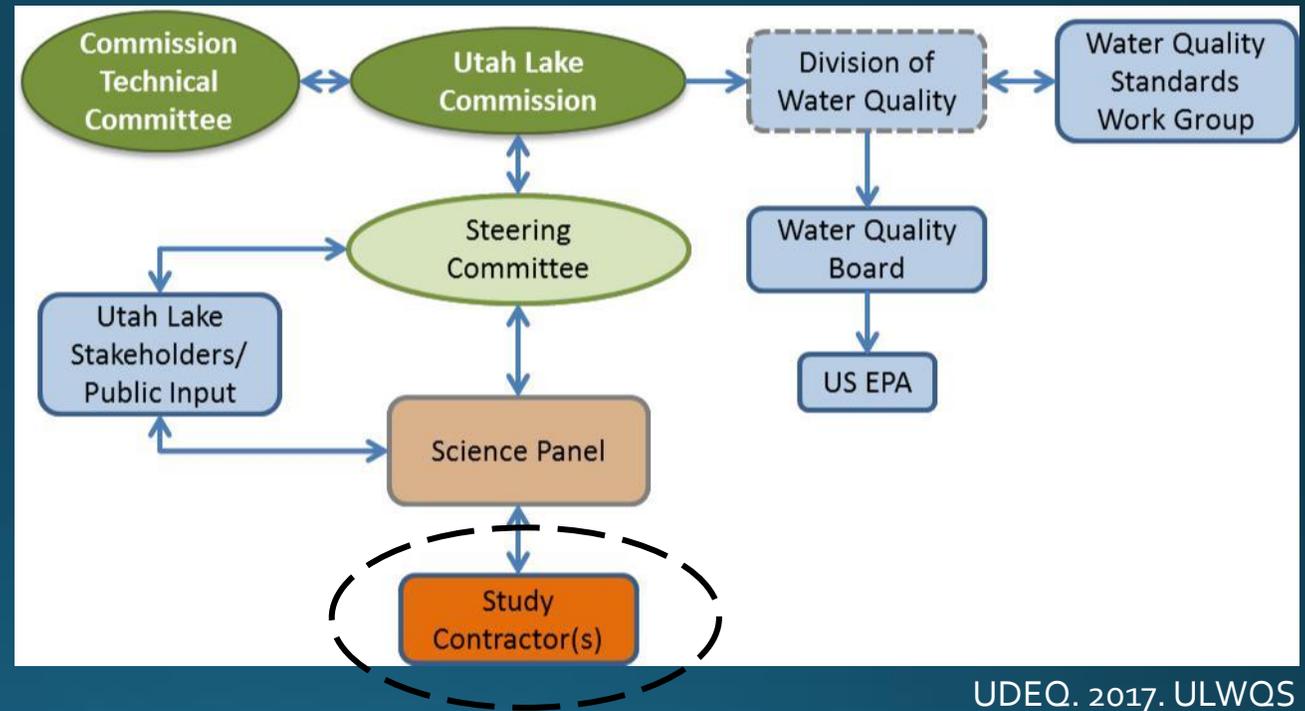
Project Overview

Utah Lake Nutrient Criteria Development Technical Support



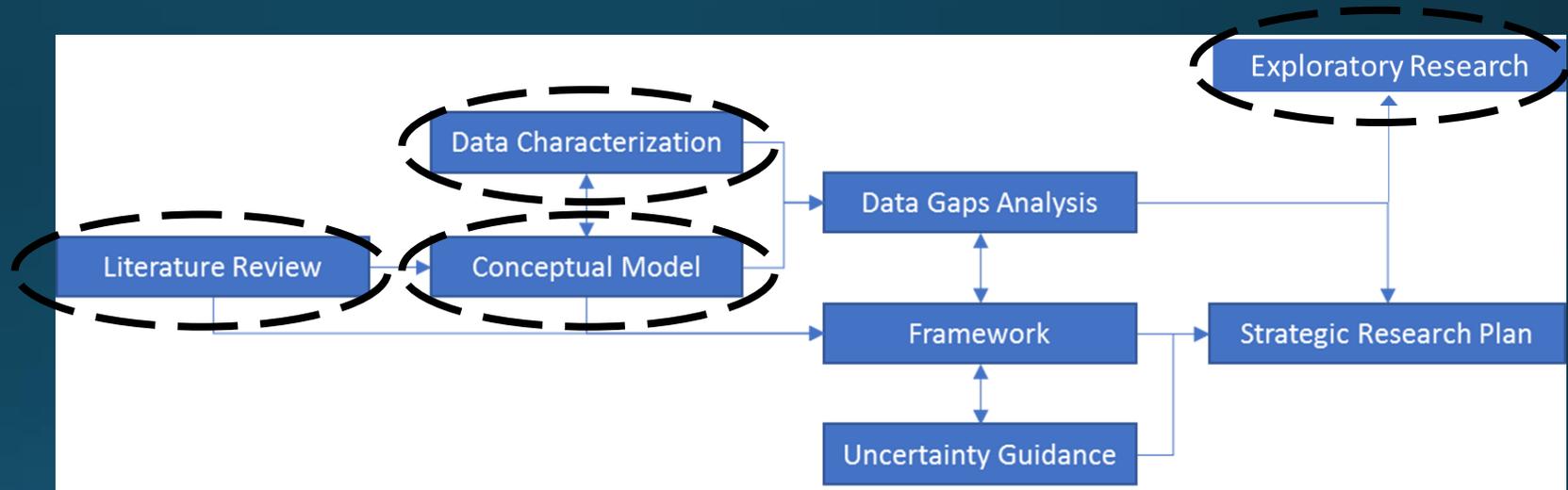
Objective

- Support Science Panel
- SP Charge: Assist in development of site specific numeric criteria
- Initial Charge Questions:
 - Historical condition?
 - Current State?
 - Data needs?

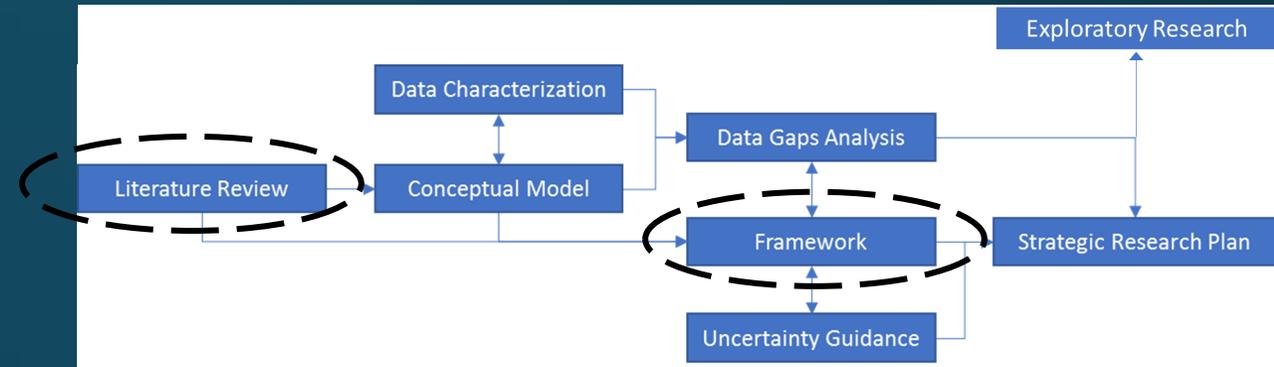


Workplan Elements

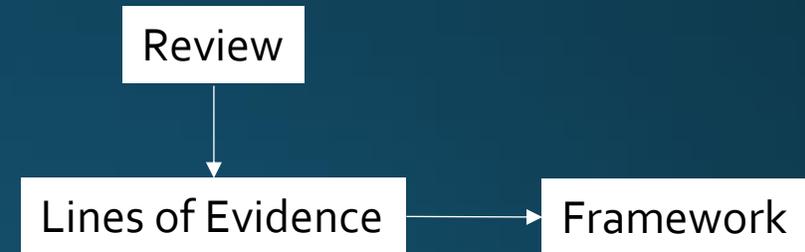
- Nutrient Criteria Framework
- Conceptual Model
- Phase 2 Data Characterization
- Uncertainty Guidance
- Data Gaps Analysis
- Strategic Research Plan
- Ad hoc analysis support
- Meetings and Travel



Framework



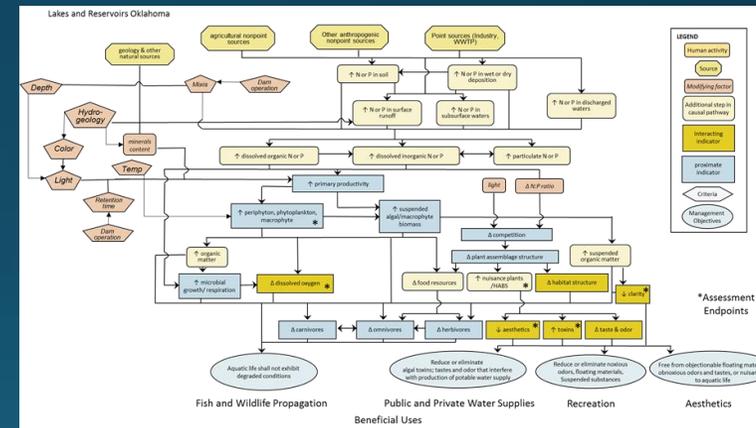
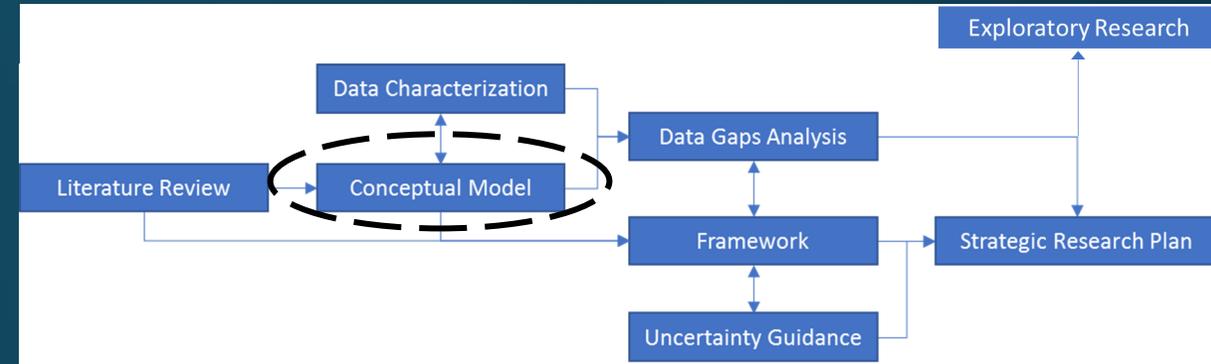
- How information is to be compiled, developed, and integrated
- Draws from the other elements
- Feeds Strategic Research Plan



Subtask	Deliverable
1.1 Lines of Evidence and Framework Planning Meetings	Meeting on lines of evidence and framework concept
1.2 Literature Review	Literature Review Memo
1.3 Framework Document	Framework Document and Presentation on Document

Conceptual Model

- Central to project
- Encapsulated understanding
- Important pathways
- Heuristics/Communication

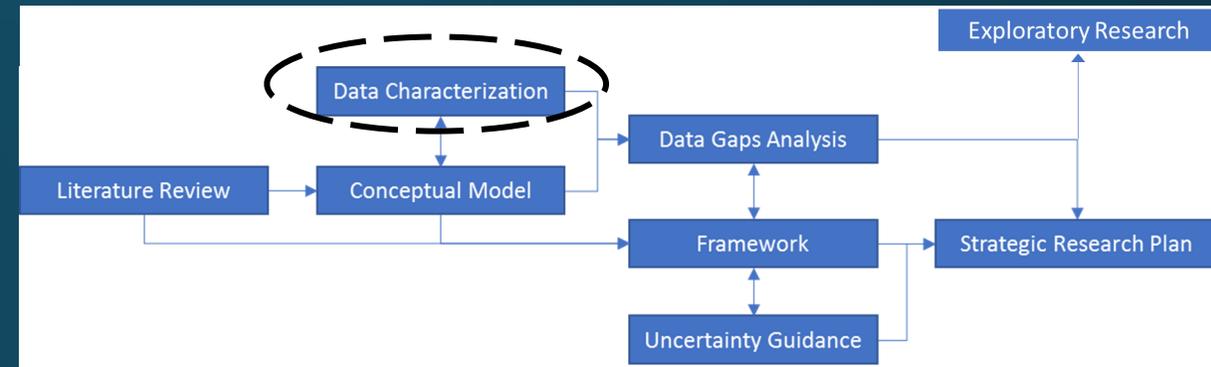


Literature Link

Subtask	Deliverable
2.1 Conceptual Models	Conceptual models with linked supporting literature as provided by available evidence

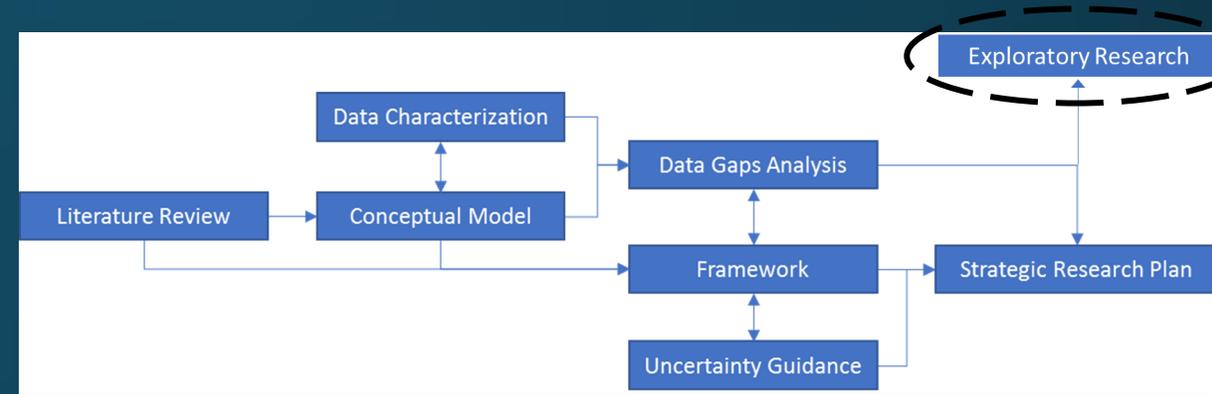
Data Characterization

- Adding new data
- Plan analyses
- Update data explorer
- Feeding data gaps

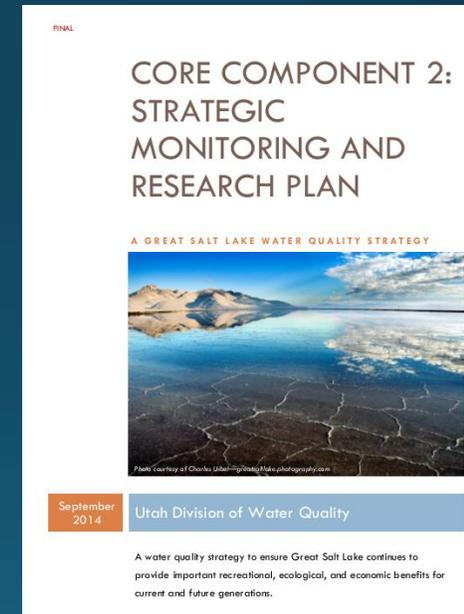


Subtask	Deliverable
3.1 Data Integration	Electronic File of Additional Data
3.2 Analysis Planning	Analysis Plan
3.3 Analysis	Updated Data Explorer

Strategic Research Plan



- What research is critical?
- Added an “exploratory research plan”
- Deliberate detail (problem statement, objectives, and recommended approach) and topics



Problem Statement
Objectives
Approach
Etc.

Subtask	Deliverable
6.1 Exploratory	Exploratory Research Plan
6.2 Strategic Planning	Strategic Plan

Proposed interactions with SP