



CAPITOL LAKE — DESCHUTES ESTUARY

Long-Term Management Project Environmental Impact Statement

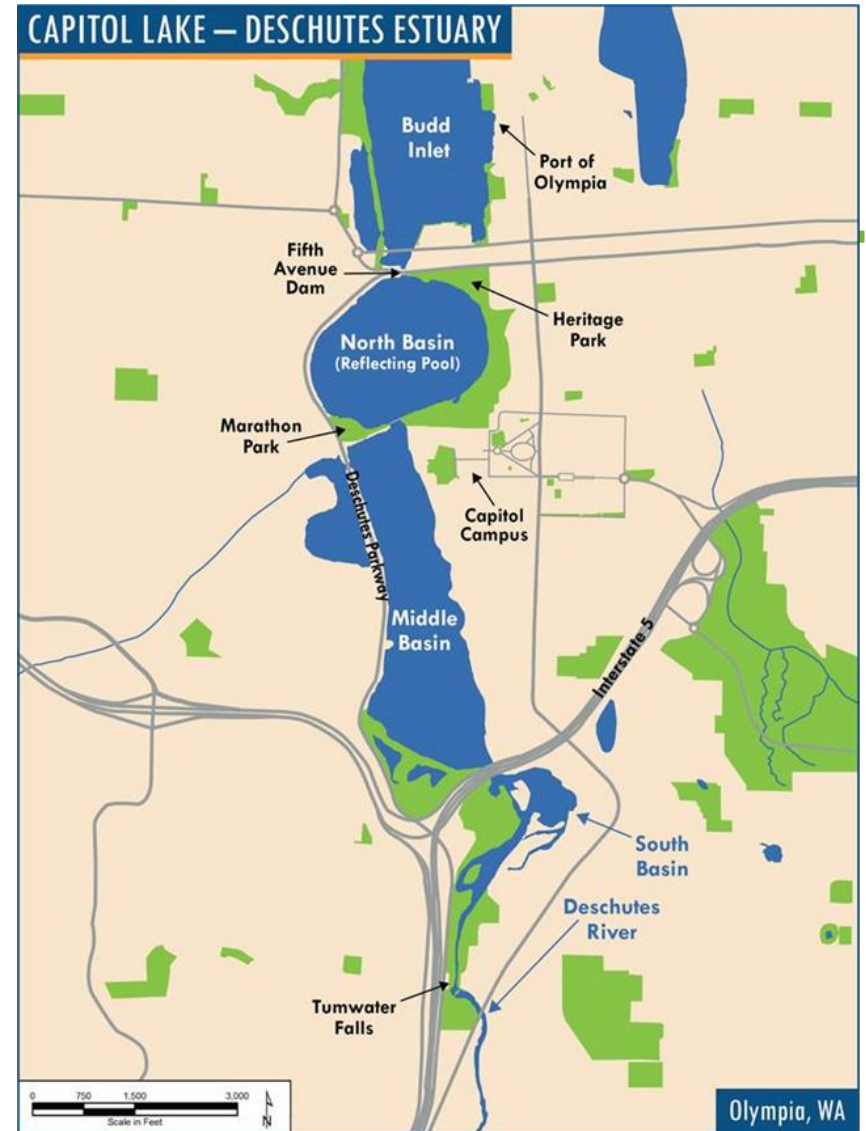
COMMUNITY SOUNDING BOARD

APRIL 2019

April 2019

Project Context

- ✦ 260-acre waterbody located on the Capitol Campus
- ✦ Capitol Lake was formed in 1951
 - Provided an important recreational resource
- ✦ Deschutes Estuary was used by local tribes
 - Subsistence and ceremonial purposes
- ✦ Active use of the waterbody is currently restricted



Shared Project Goals

- ✦ Established by stakeholders in 2016
- ✦ Included in a Purpose and Need Statement
- ✦ Supports the Environmental Impact Statement (EIS) alternatives analysis



IMPROVING
WATER QUALITY



MANAGING SEDIMENT
ACCUMULATION AND
FUTURE DEPOSITION



IMPROVING
ECOLOGICAL FUNCTIONS



ENHANCING COMMUNITY
USE OF THE RESOURCE



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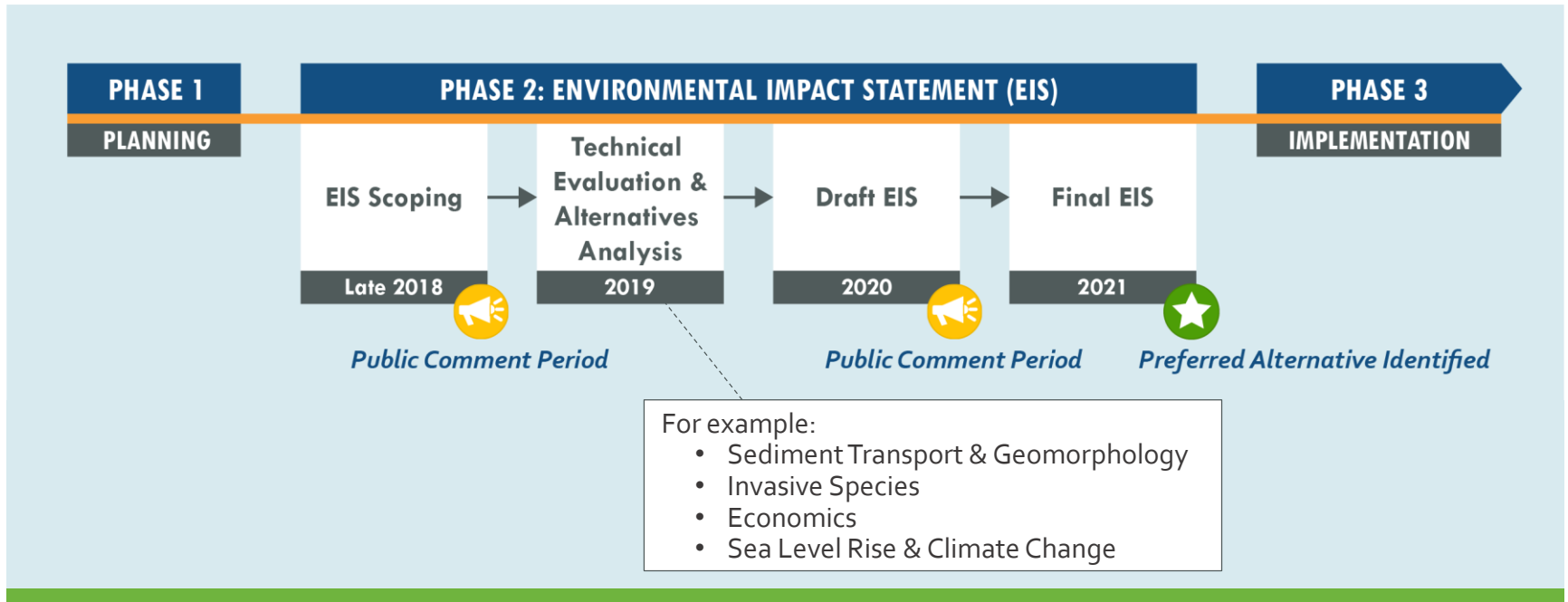
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Long-Term Management Alternatives

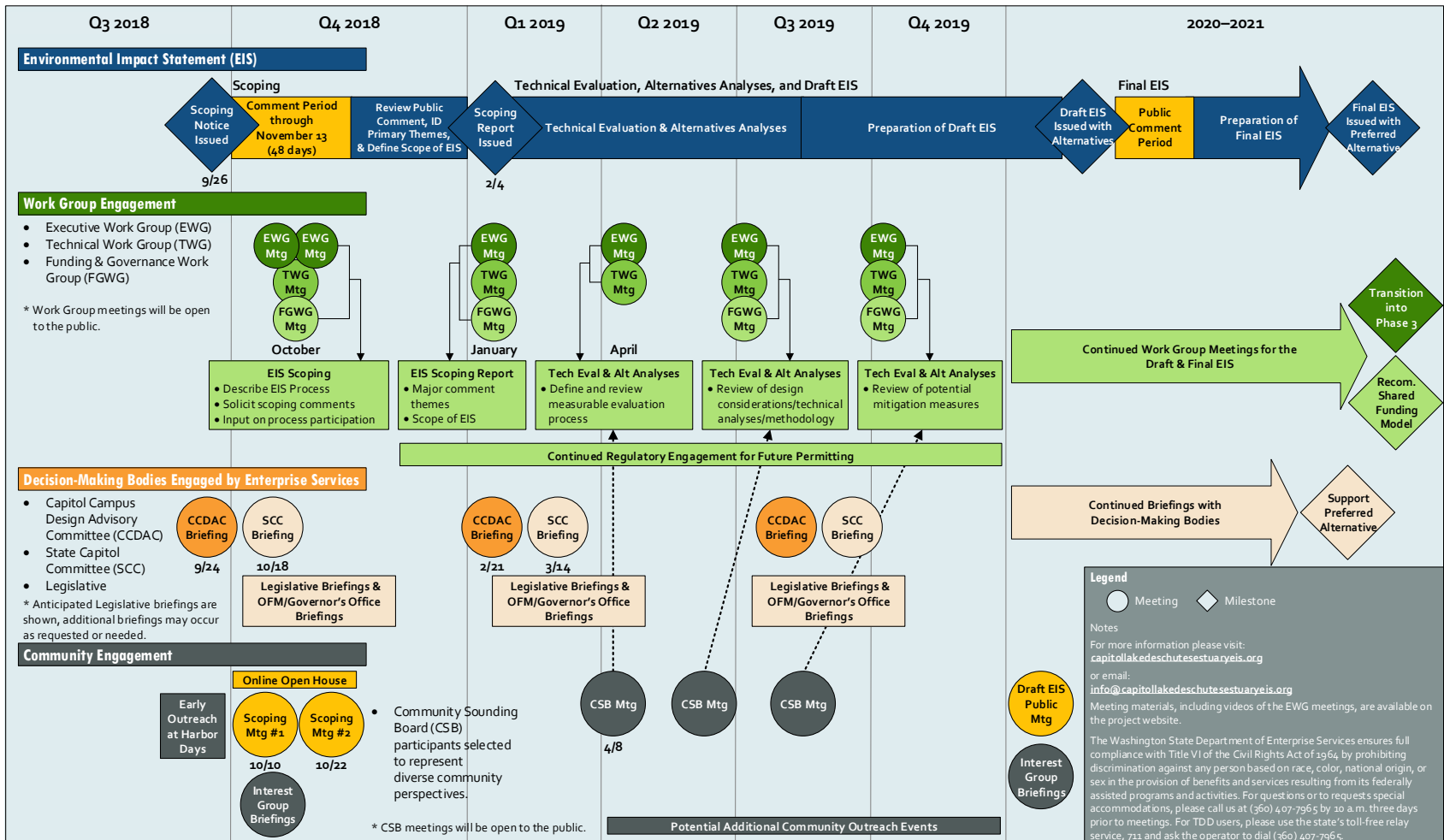
- ✦ Primary Long-Term Management Alternatives
 - Managed Lake
 - Estuary
 - Hybrid
- ✦ Several variations of the Alternatives and other Concept Proposals were proposed in Phase 1 and EIS Scoping
- ✦ The EIS will document potential environmental impacts of various alternatives and determine how the alternatives meet project goals
- ✦ The EIS will identify a preferred environmentally and economically sustainable long-term management alternative

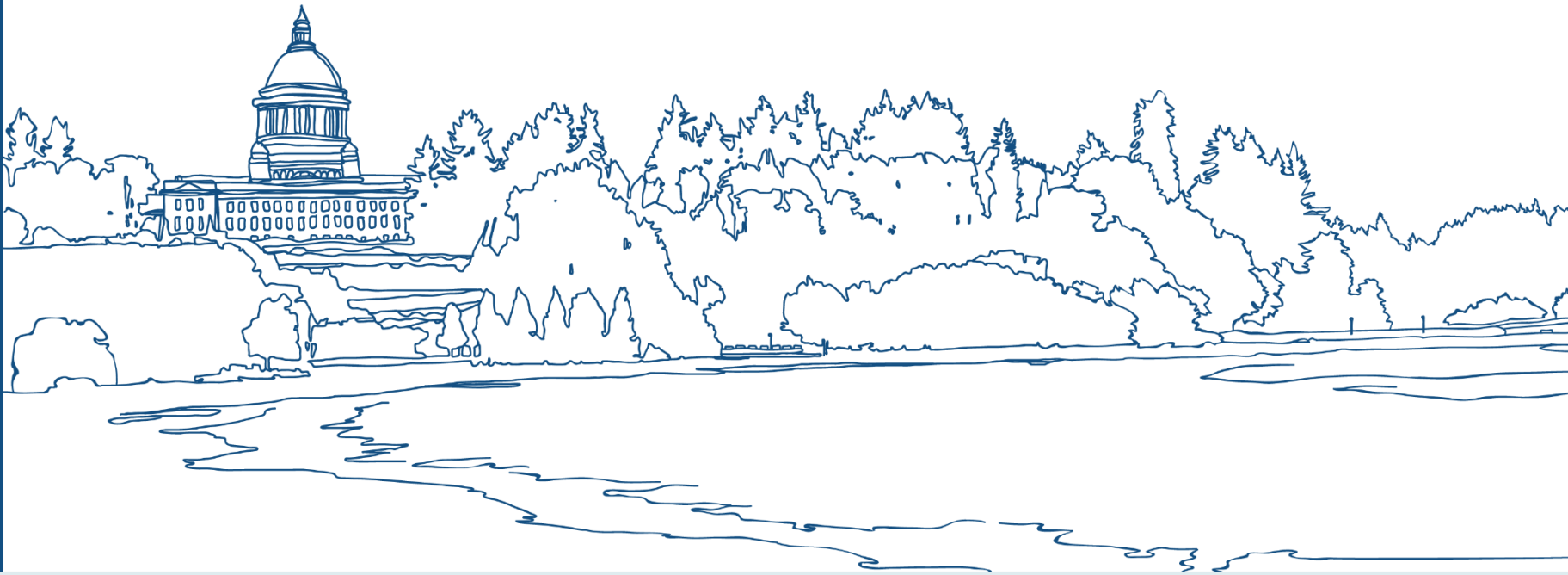


EIS Process



Project Engagement Approach

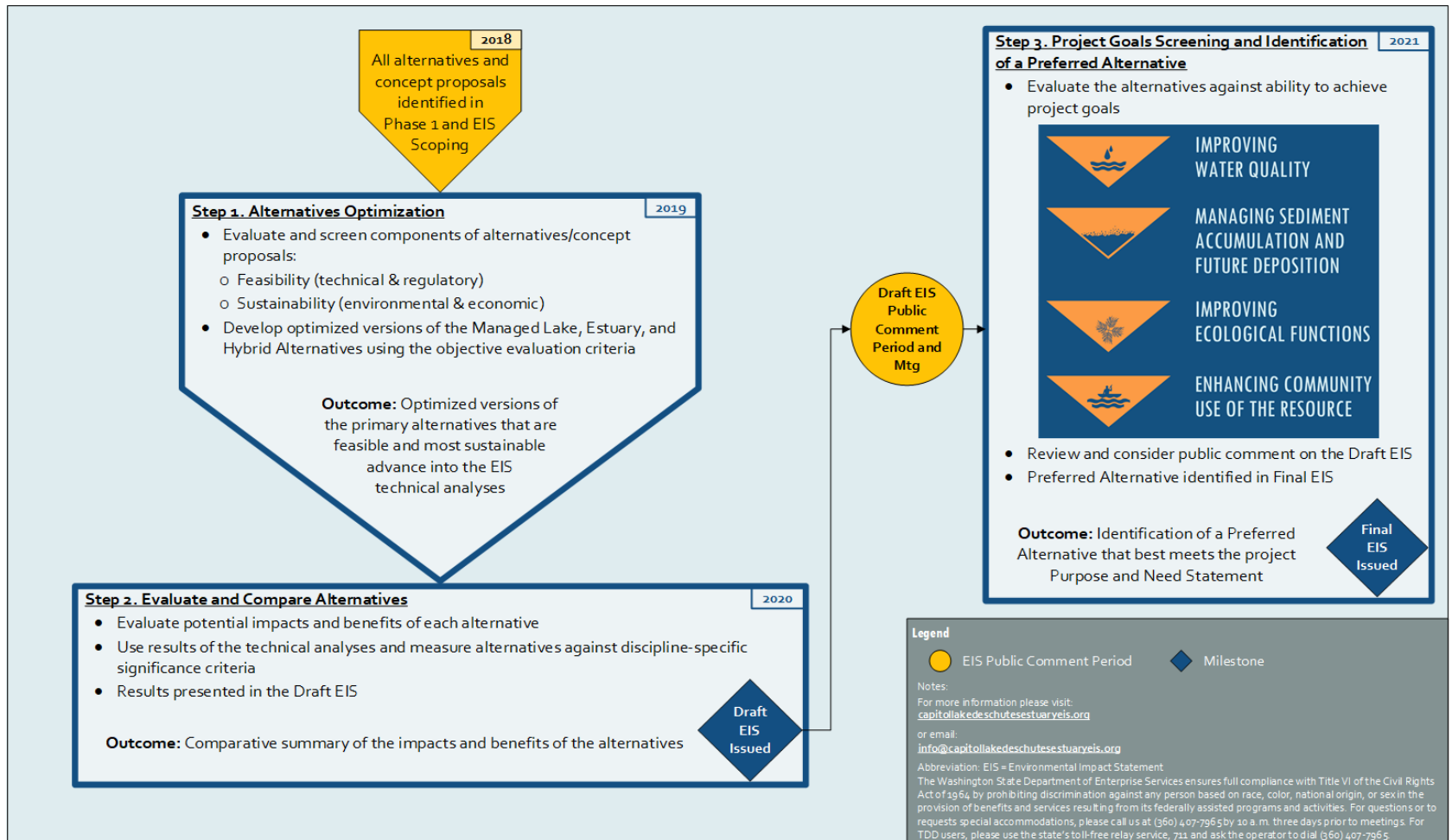




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Measurable Evaluation Process



Evaluation Criteria

Evaluation Criteria	Rating Scale	Notes
Technical Feasibility	High Medium Low	A component is considered technically feasible (1) if there are no apparent technical or logistical obstacles that would prevent the component from being constructed and maintained and (2) if there is technical uncertainty, it is at an acceptable level based on current, standard engineering practices.
Regulatory Feasibility		A component is considered to have regulatory feasibility if (1) permits and approvals could be secured within project schedule and budget and (2) it is within Enterprise Services' jurisdiction to implement and there are no legal protections on land, or other similar restrictions that could affect the feasibility.
Environmental Sustainability	High Medium Low	A component will support an environmentally sustainable outcome if it would provide net environmental benefits over a 30-year horizon, considering relative contribution to project goals.
Economic Sustainability		Unknown A component will support an economically sustainable outcome if it would be cost-effective in meeting the project goal. A proposed approach is considered cost-effective if its present value life-cycle costs over a 30-year time horizon are low relative to other proposed approaches within the same project component.



Evaluation Outcomes

Evaluation Criteria	Rating Scale	Notes
Overall Rating	Green Yellow Orange	Green = Achieved the highest rating and no low ratings. Yellow = Received a mixture of high and medium ratings, and/or one low rating. Orange = Received two or more low ratings, and/or the lowest rating overall.
Selected for Optimized Alternative	✓ / ×	✓ = Selected based on results of the evaluation. × = Not selected based on results of the evaluation.
Component Rating Confirmed	Y / N	(To be completed following technical analyses) Y = Yes, component is considered feasible and sustainable, based on current design, best available science, and EIS Project Team review. N = No, component has failed feasibility and sustainability review.

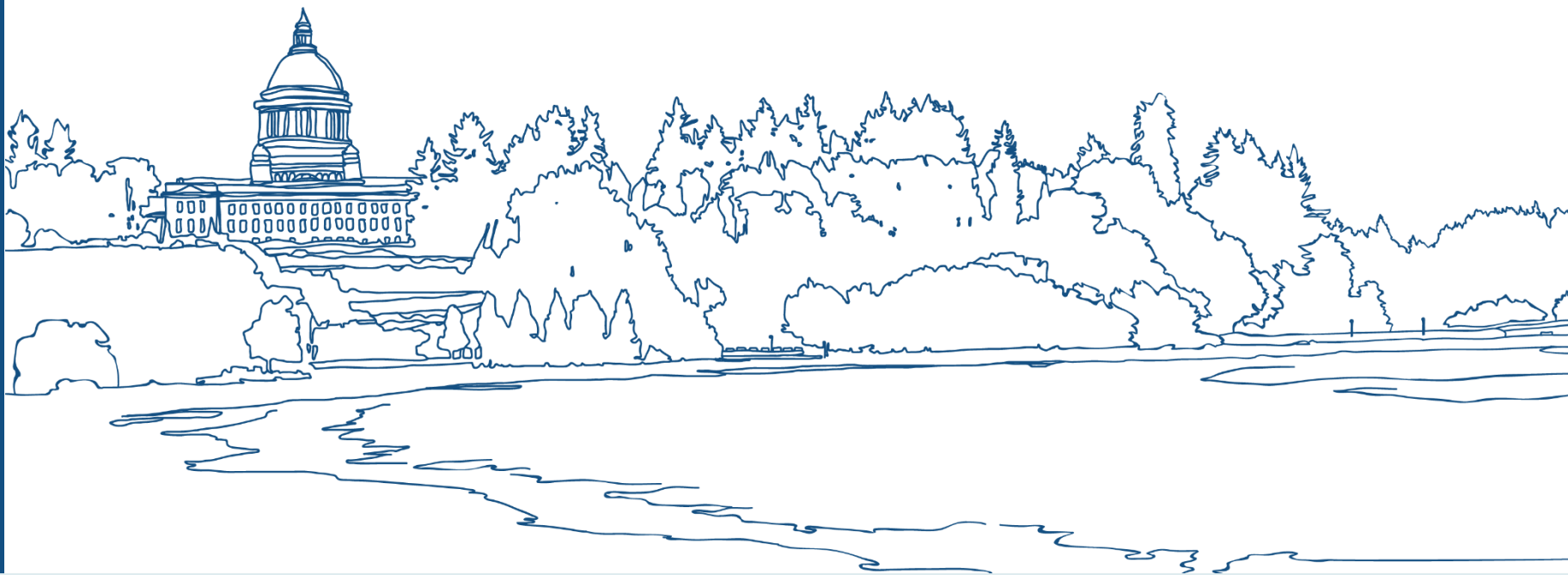


Step 1

Project Goals	Project Components	Proposed Approach	Alternatives & Concepts	Evaluation Criteria				Evaluation Outcomes		
				Technical Feasibility	Regulatory Feasibility	Environmental Sustainability	Economic Sustainability	Overall Rating	Selected for Optimized Alternative	Component Rating Confirmed (following technical analyses)
Water Quality	Passive Water Quality Improvements									
	Active Water Quality Management									
Sediment Management	Dredging Summary									
	Dredged Material Disposal									
	Ongoing Sediment Control									
	Additional Dredging Considerations									
Ecological Functions	Invasive and Nuisance Species Management									
	Freshwater Wetlands									
	Offsite Ecological Restoration									
Community Use	Recreational Opportunities in & around Lake									
	Additional Recreational Considerations									



Questions?



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