



Adaptive Management Program Committee

June 2, 2025

Attendance: Roll Call

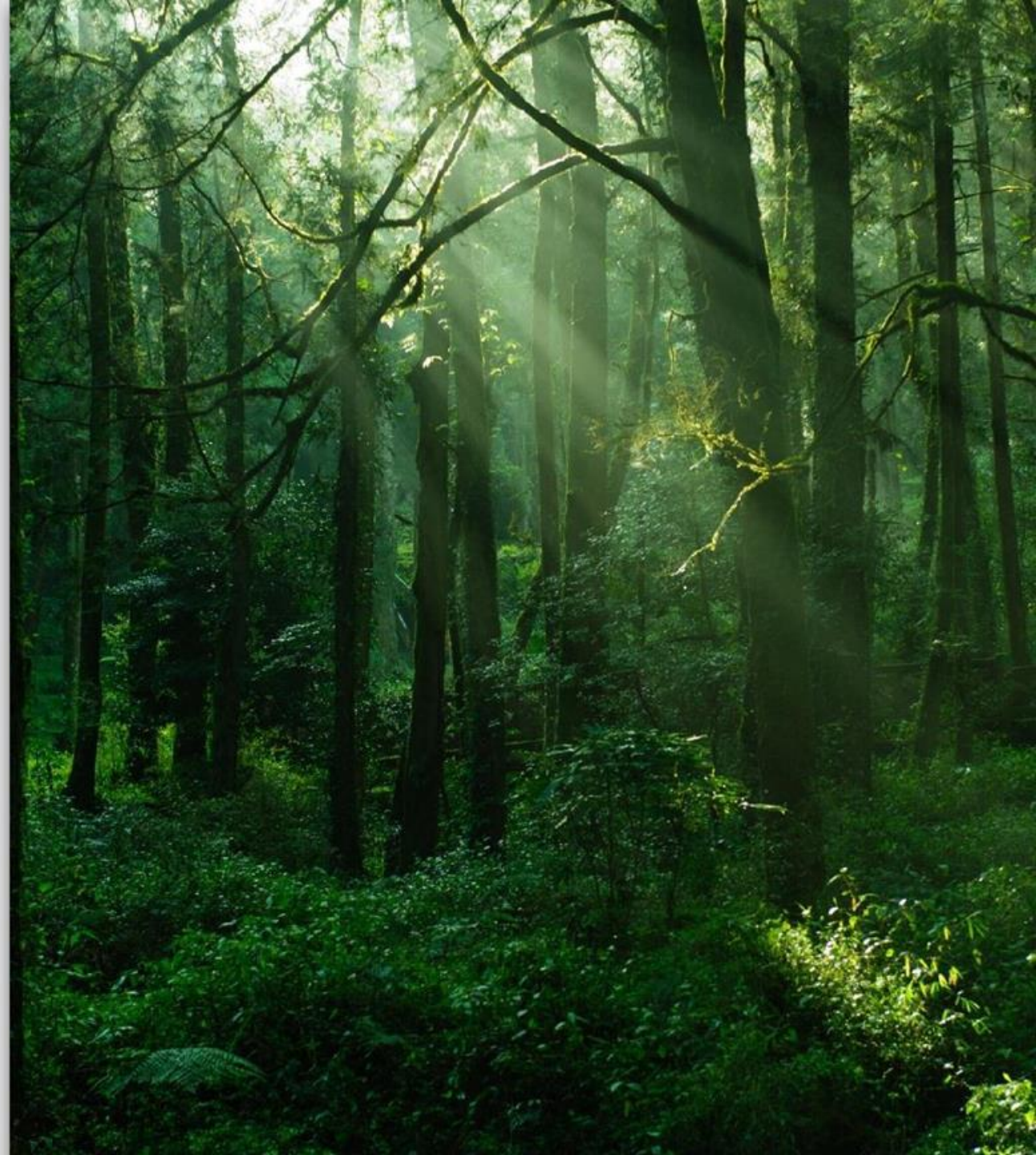
Please answer “Present (virtually or in person)”





Agenda

- **Roll call, updates, work group report outs, public comment, Exec Summaries**
- **Q&A with IRST co-chairs**
- **Research agenda framework**
- **Research agenda – survey, discussion**



Housekeeping

- Meetings are public & recorded (instead of minutes), available online
- Please turn your camera on – it helps with discussion – also with “temperature read” (number of fingers)
- Please mute when not speaking





Public Comment



Executive Summary of previous 2 meetings

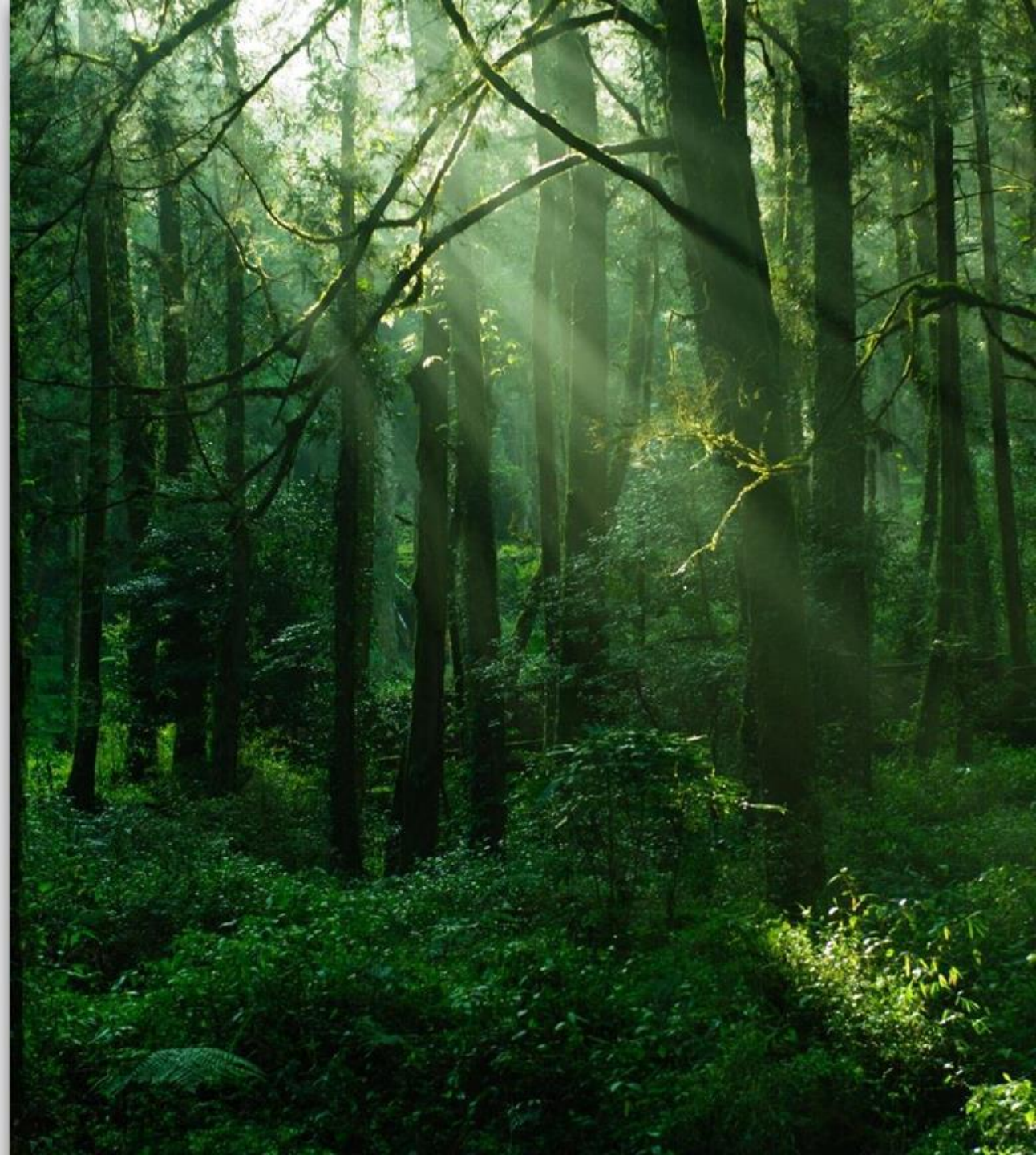
- Accept?



Updates

Participation grant amendments

**Joint IRST-AMPC meeting
(tentatively: Sept.)**



What's ahead

July 7, 2025 agenda:

- ***Finalize research agenda**
- * Substantial decision**



Q&A with IRST Co-chairs: E OR & Roads scoping proposals



Research agenda framework



Research agenda - rule

OAR 629-603-0200(5) (a) The AMPC shall develop a multi-year research agenda that includes:

- (A) Prioritized research projects;**
- (B) Key milestones for each research project;**
- (C) A timeline for progress on research projects; and,**
- (D) A comprehensive IRST budget, including annual budget for each year of each project.**



Research agenda

Report to the Board for July 15th deadline:

- **Executive summary style (3-8 pages)**
- **Headings follow rule (plus intro/background, conclusion):**
 - A) Research Priorities**
 - B) Project milestones**
 - C) Project timelines**
 - D) Comprehensive budget**
- **Reasoning for AMPC decisions (helpful to include)**
- **Mention likely revision to research agenda soon (Amphibians)**



Break



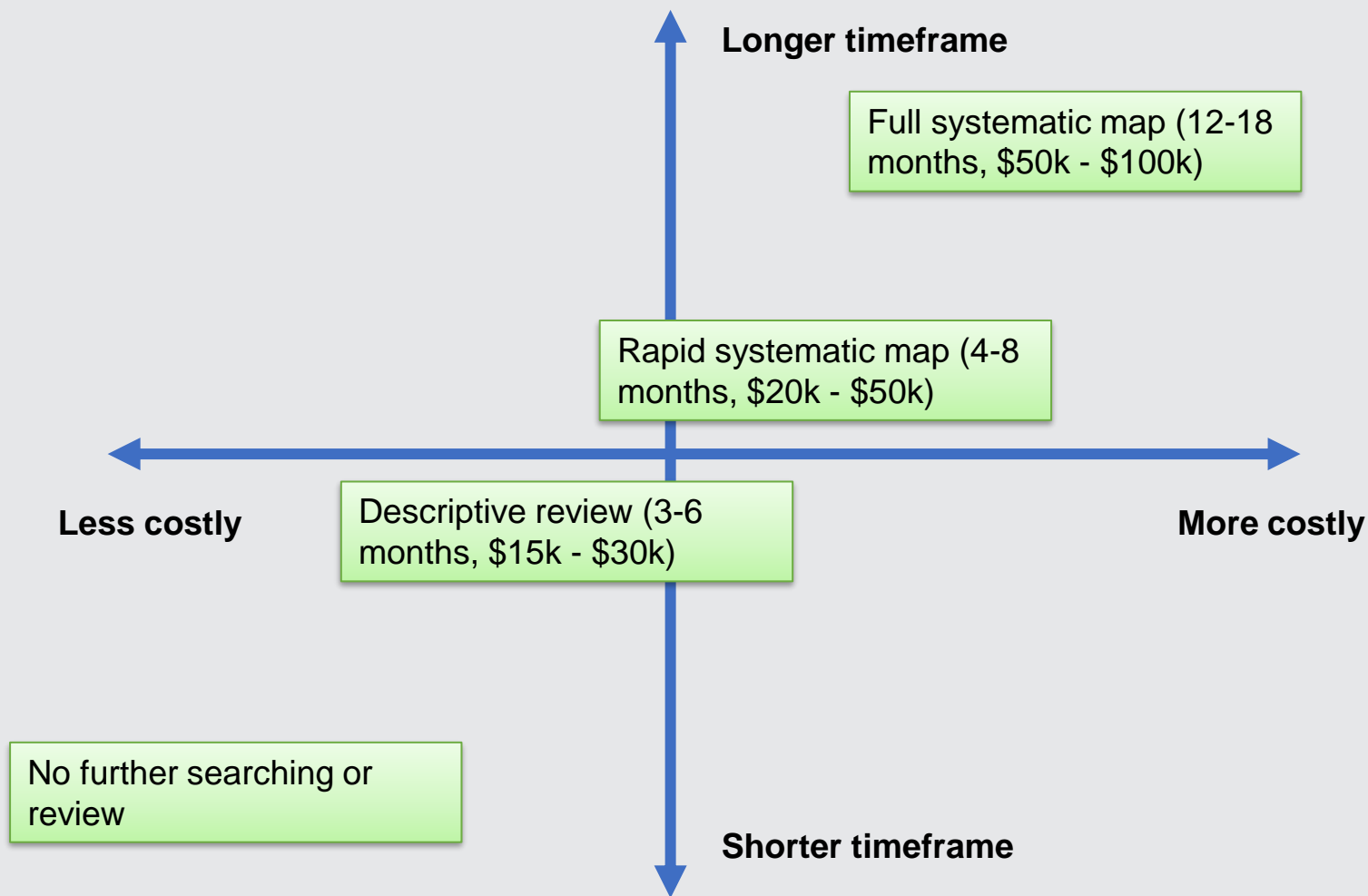
Summary of Options – E OR Steep Slopes

Table ES-1. Summary of scoping proposal options timeframes, costs, (excluding indirect costs and administrative startup and closeout time), and knowledge contributions.

Option	Timeframe	Cost	Knowledge Contribution
Full systematic map	12–18 mo.	\$50,000–\$100,000	Extracts data from reviewed documents to support quantitative and narrative synthesis about the state of and important gaps in knowledge regarding eastern Oregon steep slopes. Compiles any existing empirical databases for future use. Further describe differences between eastern and western Oregon in the drivers of mass wasting processes and what is known about covered species habitat vulnerabilities in eastern Oregon.
Rapid systematic map	4–8 mo.	\$20,000–\$50,000	Extracts data from reviewed documents to support quantitative and narrative synthesis about the state of and important gaps in knowledge regarding eastern Oregon steep slopes. This may exclude some of the gray literature, especially older studies or those from other states. The search and review process would still be well documented for transparency and replicability but relying only on one or two reviewers without consistency checking could increase bias.
Descriptive review	3–6 mo.	\$15,000–\$30,000	Provides a reasonable collation of the literature on steep slopes in eastern Oregon based primarily on peer-reviewed literature. It is unlikely to capture much of the gray literature, especially older studies or those from other states. The searching, screening and review methods would not be as thoroughly documented, so would be less transparent and replicable. A narrative synthesis of findings would result but would be more limited than for the rapid systematic mapping option.
No further searching or review	0 mo.	N/A	Provides only the characterization and summary of the literature garnered from this scoping effort (Section 2.5 Content Insights, Appendices B, C, and D) and does not identify knowledge gaps. The search for literature conducted for this scoping review was not exhaustive and was not intended to be a full synthesis of existing information relative to the research questions.



Summary of Options – E OR Steep Slopes



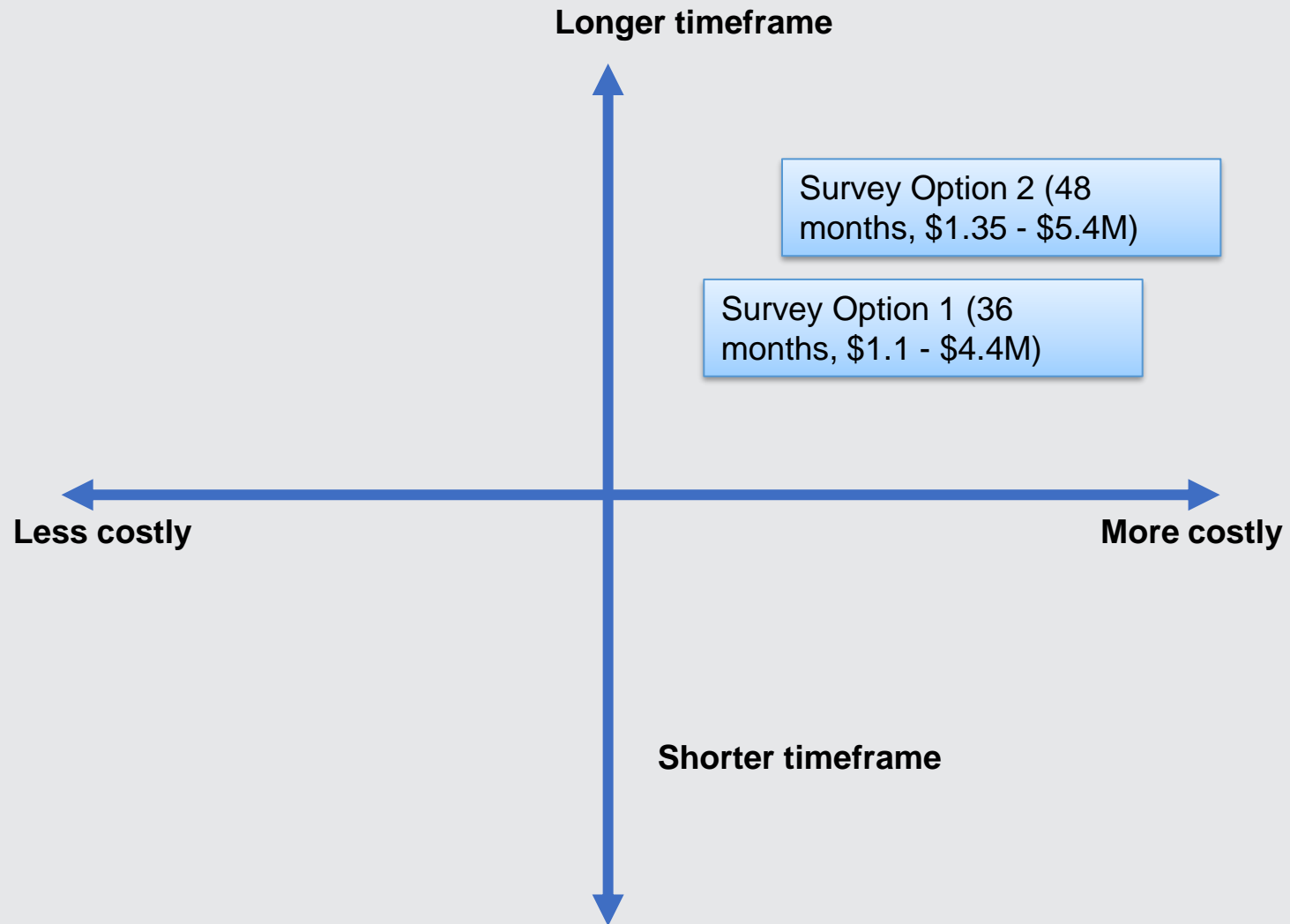
Summary of Options – Hydrologic disconnection of roads

Table Ex-1. Summary of scoping proposal options, timeframes, costs, and knowledge contributions.

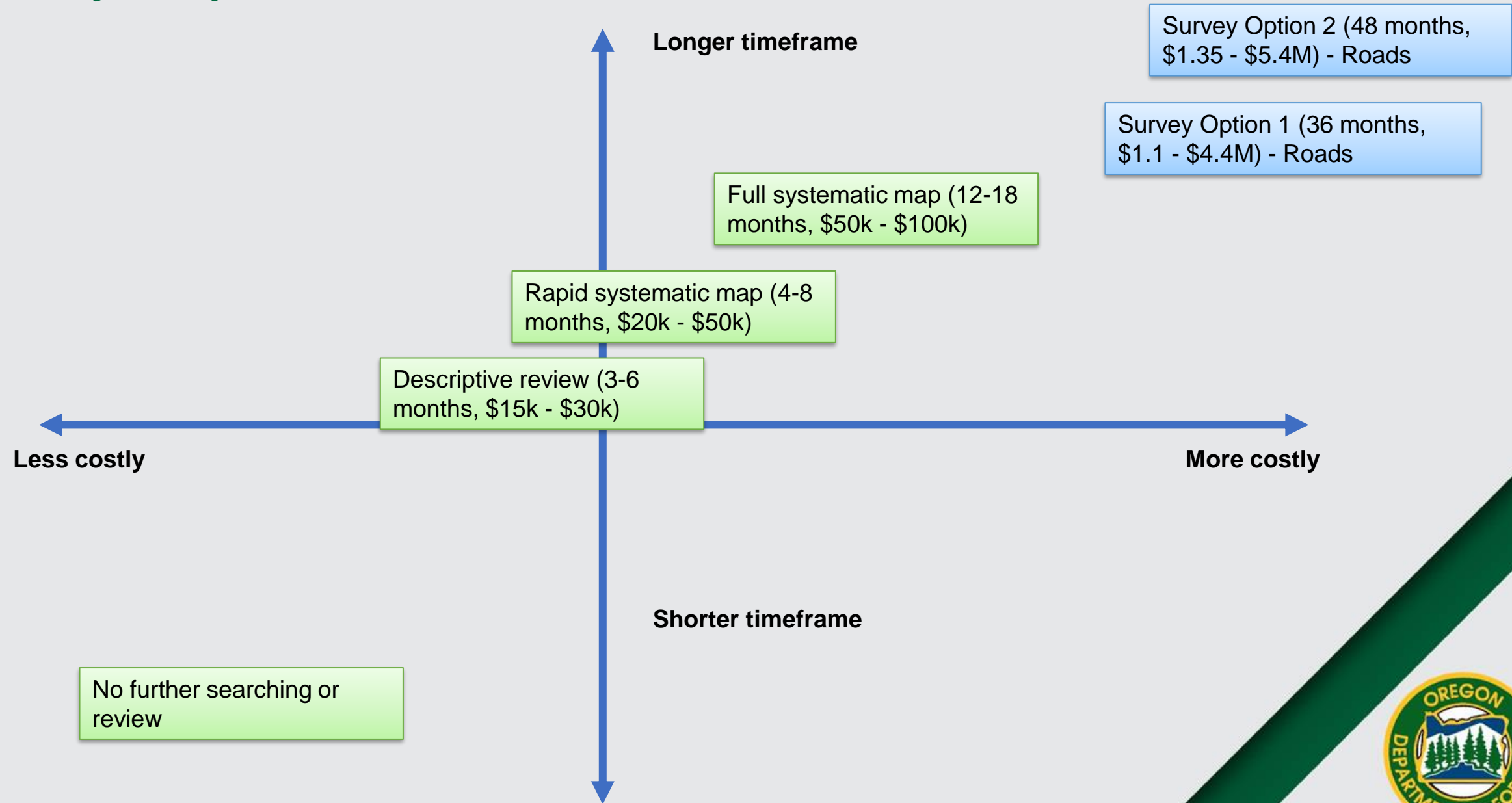
Option	Estimated Timeframe (months)	Cost	Knowledge Contributions
Survey Option 1: Hydrologic Connectivity Only	36 months	\$1.1-\$4.4 million (for baseline sample)	<ul style="list-style-type: none"> Assesses only the hydrologic connectivity between roads and streams (no estimate of sediment contributions). Characterizes the length of road segments identified as draining to streams by a number of measures (% of total, per stream mile, etc.). Can inform performance targets and effectiveness of road rules at achieving BGOs related to hydrologic disconnection. Faster and less expensive than Option 2 due to less field time and data processing.
Survey Option 2: Hydrologic Connectivity + Sediment Modeling	48 months	\$1.35-5.4 million (for baseline sample)	<ul style="list-style-type: none"> Assesses hydrologic connectivity between roads and streams and models associated amounts of sediment delivery. Outputs would include all the connectivity-only metrics listed in Option 1, plus the modeled tons of road sediment delivered to streams. Can inform the development of performance targets and the effectiveness of road rules at achieving BGOs related to hydrologic disconnection and sediment delivery. Estimated time line is one year longer and costs are ~20% higher than Option 1.
Pre-survey Option 1: Digital Data Accuracy Assessment)	6 months	\$10-30k	<ul style="list-style-type: none"> Increases confidence that sampling locations selected are a relatively unbiased sample. Reduces time and expense by limiting field data collection to road segments with a higher probability of connectivity.
Pre-survey Option 2: GIS-LiDAR Road Segmentation	8 months	\$80k	<ul style="list-style-type: none"> Reduces time and expense by limiting the data collected in the field on each road segment. Improves the accuracy and consistency of road segment data.



Summary of Options – Hydrologic disconnection of roads



Summary of Options – Combined



Pre-survey work results



Pre-survey results: Preferences for high priority (voted #1)

Research Question	Option	Estimated Time Frame	Estimated Cost	Pre-survey preferences for priority (#1)
E OR Steep Slopes	Full systematic map	12-18 months	\$50k - \$100k	4 votes
E OR Steep Slopes	Rapid systematic map	4-8 months	\$20k - \$50k	4 votes
E OR Steep Slopes	Descriptive review	3-6 months	\$15k - \$30k	0 votes
E OR Steep Slopes	No further searching or review	0	N/A	0 votes

50/50 split between Full Systematic Map and Rapid Systematic Map as the top priority

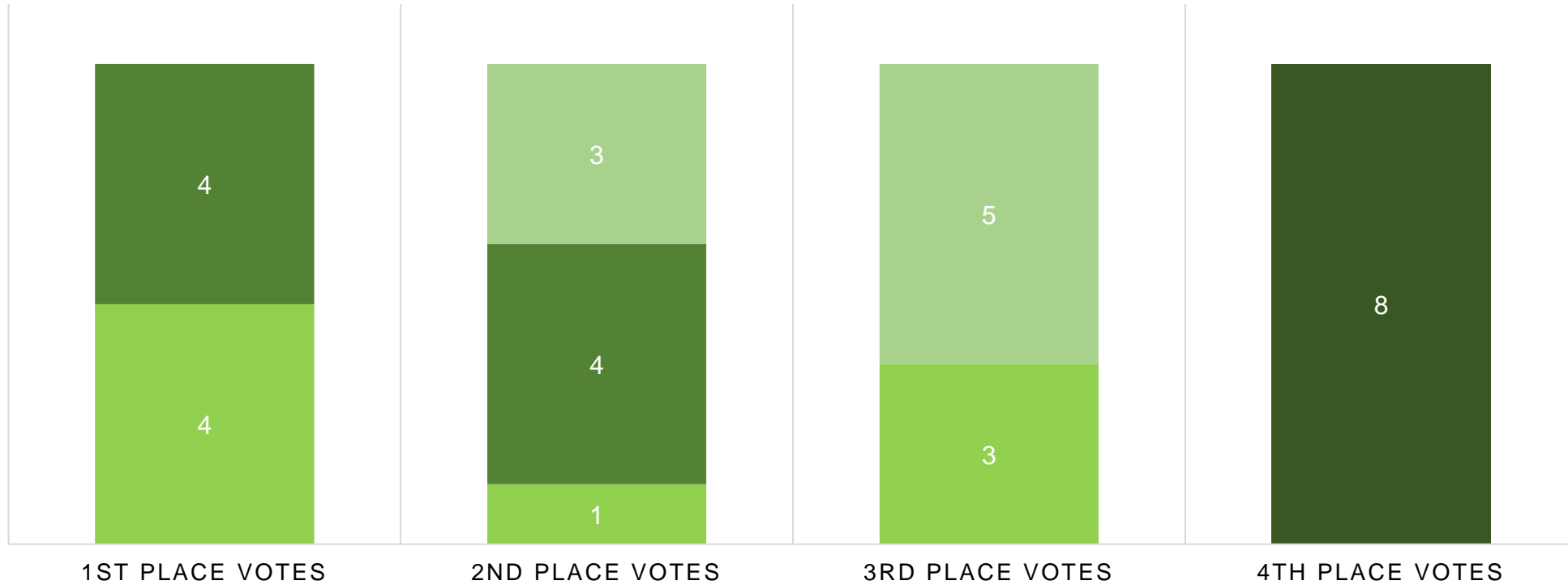
Research Question	Option	Estimated Time Frame	Estimated Cost	Pre-survey preferences for priority (#1)
Roads	Survey Option 1: Hydrologic Connectivity	36 months	\$1.1M - \$4.4M	4 votes
Roads	Survey Option 2: Hydrologic Connectivity + Sediment	48 months	\$1.35M - \$5.4M	4 votes

50/50 split between Option 1 and Option 2 as the top priority



PRE-SURVEY RESULTS: E OR STEEP SLOPES

- Full systematic map
- Rapid systematic map
- Descriptive review
- No further searching or review



	1 - High priority	2 - Med/ high priority	3 - Med/ low priority	4 - Low priority
Full systematic map	4	1	3	0
Rapid systematic map	4	4	0	0
Descriptive review	0	3	5	0
No further searching or review	0	0	0	8



E OR Steep Slopes

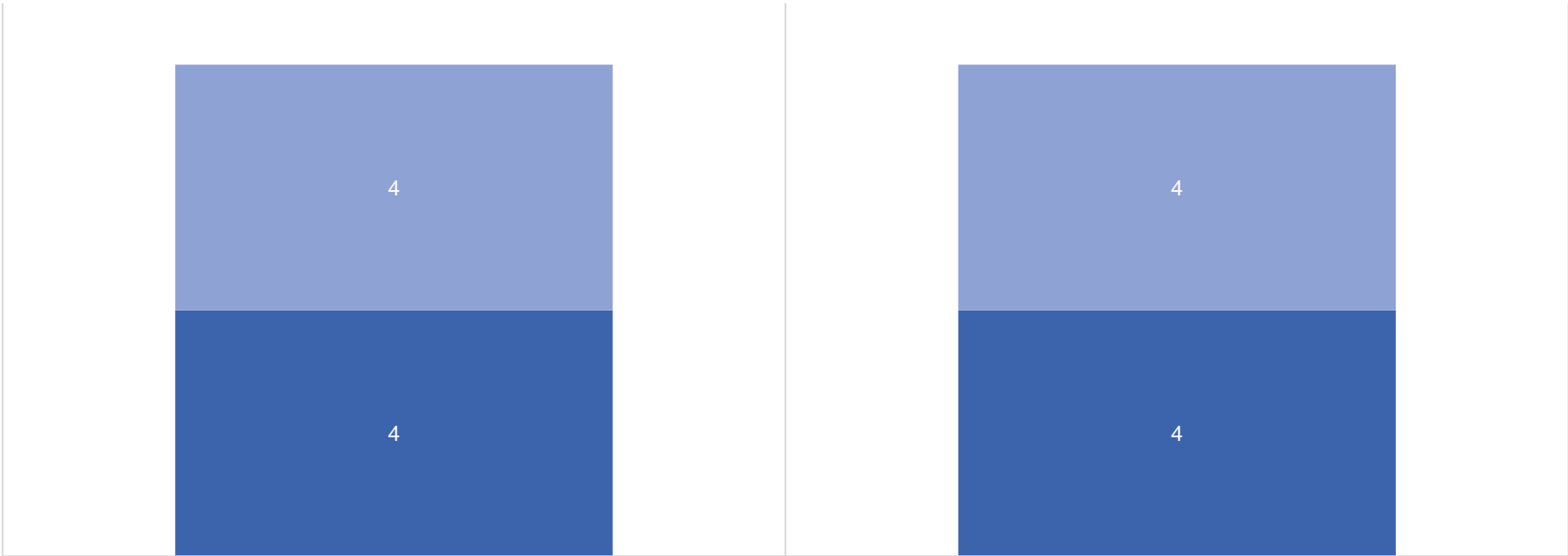
- 50/50 split for top priority (ranked #1):
 - Full systematic map
 - Rapid systematic map

Full systematic map	Rapid systematic map
12-18 months	4-8 months
\$50k - \$100k	\$20k - \$50k
<p>Extracts data from reviewed documents to support quantitative and narrative synthesis about the state of and important gaps in knowledge regarding eastern Oregon steep slopes. Compiles any existing empirical databases for future use. Further describe differences between eastern and western Oregon in the drivers of mass wasting processes and what is known about covered species habitat vulnerabilities in eastern Oregon.</p> <p>- Table ES-1</p>	<p>Extracts data from reviewed documents to support quantitative and narrative synthesis about the state of and important gaps in knowledge regarding eastern Oregon steep slopes. This may exclude some of the gray literature, especially older studies or those from other states. The search and review process would still be well documented for transparency and replicability but relying only on one or two reviewers without consistency checking could increase bias.</p> <p>- Table ES-1</p>



PRE-SURVEY RESULTS: HYDROLOGIC DISCONNECTION OF ROADS

■ 1 - High priority ■ 2 - Med / high priority



OPTION 1. HYDROLOGIC CONNECTIVITY ONLY

OPTION 2. HYDROLOGIC CONNECTIVITY + SEDIMENT MODELING

Option	1 - High priority	2 - Med / high priority
Option 1. Hydrologic Connectivity Only	4	4
Option 2. Hydrologic Connectivity + Sediment modeling	4	4



Hydrologic Disconnection of Roads

- 50/50 split for top priority (ranked #1)

Option 1: Hydrologic Connectivity Only	Option 2: Hydrologic Connectivity + Sediment Modeling
36 months	48 months
\$1.1M - \$4.4M (for baseline sample)	\$1.35M - \$5.4M (for baseline sample)
<ul style="list-style-type: none">• Assesses only the hydrologic connectivity between roads and streams (no estimate of sediment contributions).• Characterizes the length of road segments identified as draining to streams by a number of measures (% of total, per stream mile, etc.).• Can inform performance targets and effectiveness of road rules at achieving BGOs related to hydrologic disconnection.• Faster and less expensive than Option 2 due to less field time and data processing.	<ul style="list-style-type: none">• Assesses hydrologic connectivity between roads and streams and models associated amounts of sediment delivery.• Outputs would include all the connectivity-only metrics listed in Option 1, plus the modeled tons of road sediment delivered to streams.• Can inform the development of performance targets and the effectiveness of road rules at achieving BGOs related to hydrologic disconnection and sediment delivery.• Estimated timeline is one year longer and costs are ~20% higher than Option 1.



Hydrologic Disconnection of Roads

PRE-SURVEY Option 1: Digital Data Accuracy Assessment	PRE-SURVEY Option 2: GIS-LIDAR Road Segmentation
6 months	8 months
\$10k - \$30k	\$80k
<ul style="list-style-type: none">• Increases confidence that sampling locations selected are a relatively unbiased sample.• Reduces time and expense by limiting field data collection to road segments with a higher probability of connectivity.	<ul style="list-style-type: none">• Reduces time and expense by limiting the data collected in the field on each road segment.• Improves the accuracy and consistency of road segment data.



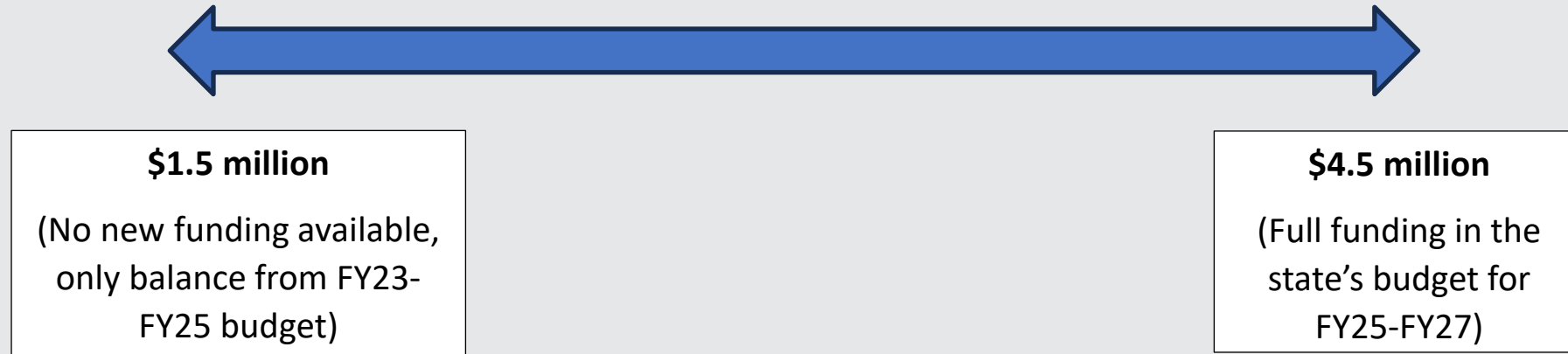
Combined Options

Research Question	Option	Estimated Time Frame	Estimated Cost	Notes / Considerations
E OR Steep Slopes	Full systematic map	12-18 months	\$50k - \$100k	
E OR Steep Slopes	Rapid systematic map	4-8 months	\$20k - \$50k	
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Research Question	Option	Estimated Time Frame	Estimated Cost	Notes / Considerations
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Roads	Pre-survey Option 2: GIS-LIDAR Road Segmentation	8 months	\$80k	



Range of Possible Funding: FY 25- FY 27



Working List: Draft Research Agenda for Discussion

Research Question	Option	Estimated Time Frame	Estimated Cost	Notes or Considerations
E OR Steep Slopes				
Roads – Hydrologic Connectivity				
TOTAL				



Wrap up

To do items



Next meeting: June 7, 2025

Agenda:

- ***Finalize Research Agenda**
 - * Substantial decisions**



Thank you for your participation today

