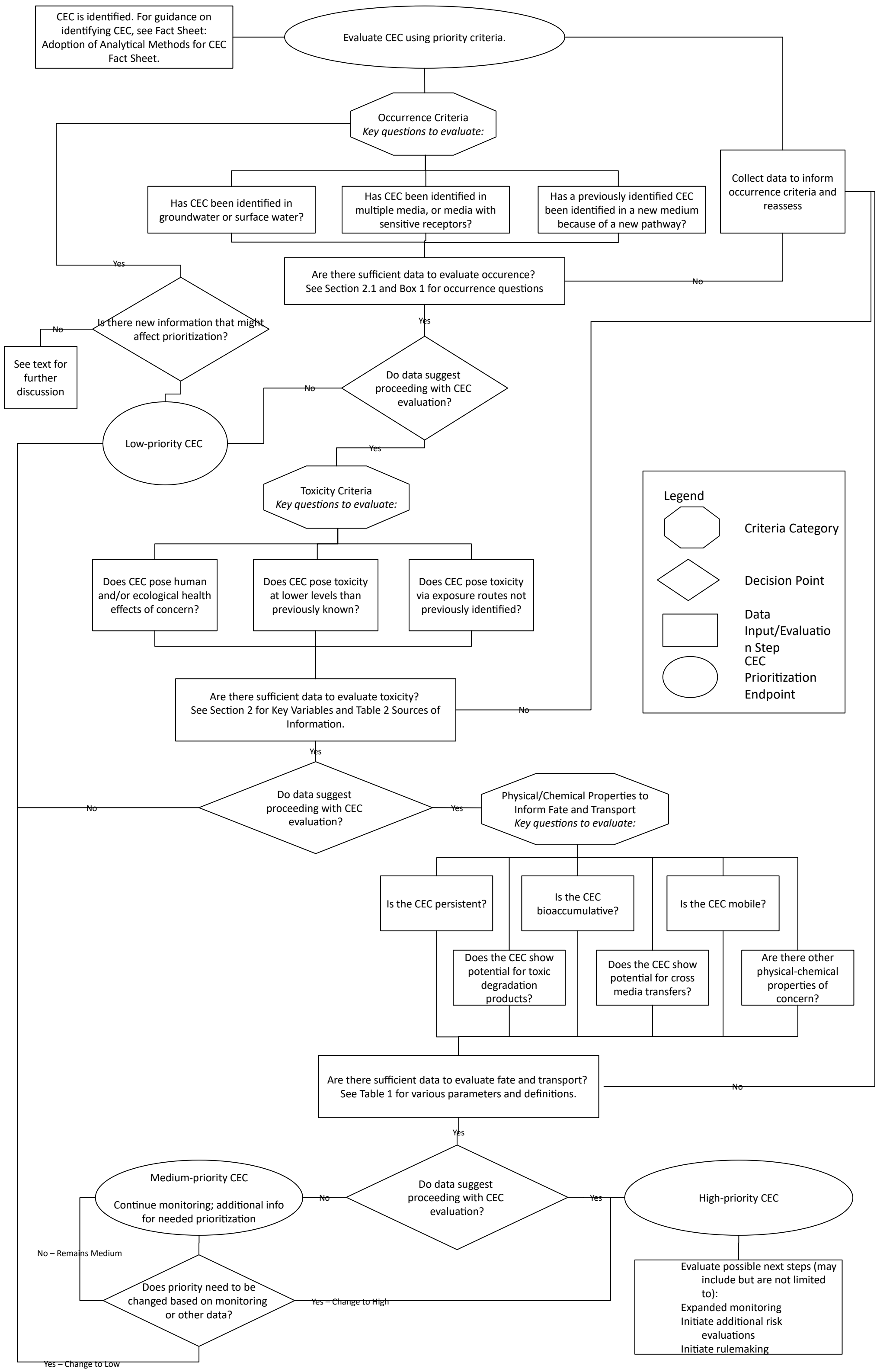
CEC is identified. For guidance on identifying CEC, see Fact Sheet: Adoption of Analytical Methods for CEC Fact Sheet.
Evaluate CEC using priority criteria.
Occurrence Criteria
Key questions to evaluate:
Has CEC been identified in groundwater or surface water?
Has CEC been identified in multiple media, or media with sensitive receptors?
Has a previously identified CEC been identified in a new medium because of a new pathway?
Collect data to inform occurrence criteria and reassess
Are there sufficient data to evaluate occurence?
See Section 2.1 and Box 1 for occurrence questions
Yes
No
Is there new information that might affect prioritization?
No
See text for further discussion
Do data suggest proceeding with CEC evaluation?
No
Yes
Low-priority CEC
Toxicity Criteria
Key questions to evaluate:
Does CEC pose human and/or ecological health effects of concern?
Does CEC pose toxicity at lower levels than previously known?
Does CEC pose toxicity via exposure routes not previously identified?
Are there sufficient data to evaluate toxicity?
See Section 2 for Key Variables and Table 2 Sources of Information.
No
Yes
Do data suggest proceeding with CEC evaluation?
No
Yes
Physical/Chemical Properties to Inform Fate and Transport
Key questions to evaluate:
Is the CEC persistent?
Is the CEC bioaccumulative?
Is the CEC mobile?
Does the CEC show potential for toxic degradation products?
Does the CEC show potential for cross media transfers?
Are there other physical-chemical properties of concern?
Are there sufficient data to evaluate fate and transport?
See Table 1 for various parameters and definitions.
No
Yes
Do data suggest proceeding with CEC evaluation?
No
Yes
Medium-priority CEC
Continue monitoring; additional info for needed prioritization
High-priority CEC
Does priority need to be changed based on monitoring or other data?
No – Remains Medium
Yes – Change to High
Yes – Change to Low
Evaluate possible next steps (may include but are not limited to):
Expanded monitoring
Initiate additional risk evaluations
Initiate rulemaking
Legend
Criteria Category
Decision Point
Data Input/Evaluation Step
CEC Prioritization Endpoint