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MEMO

TO: Nine Mile Creek Watershed District Board of Managers
FROM: Randy Anhorn
DATE: July 6, 2020
RE: Aquatic Invasive Species (AIS) Management Strategy

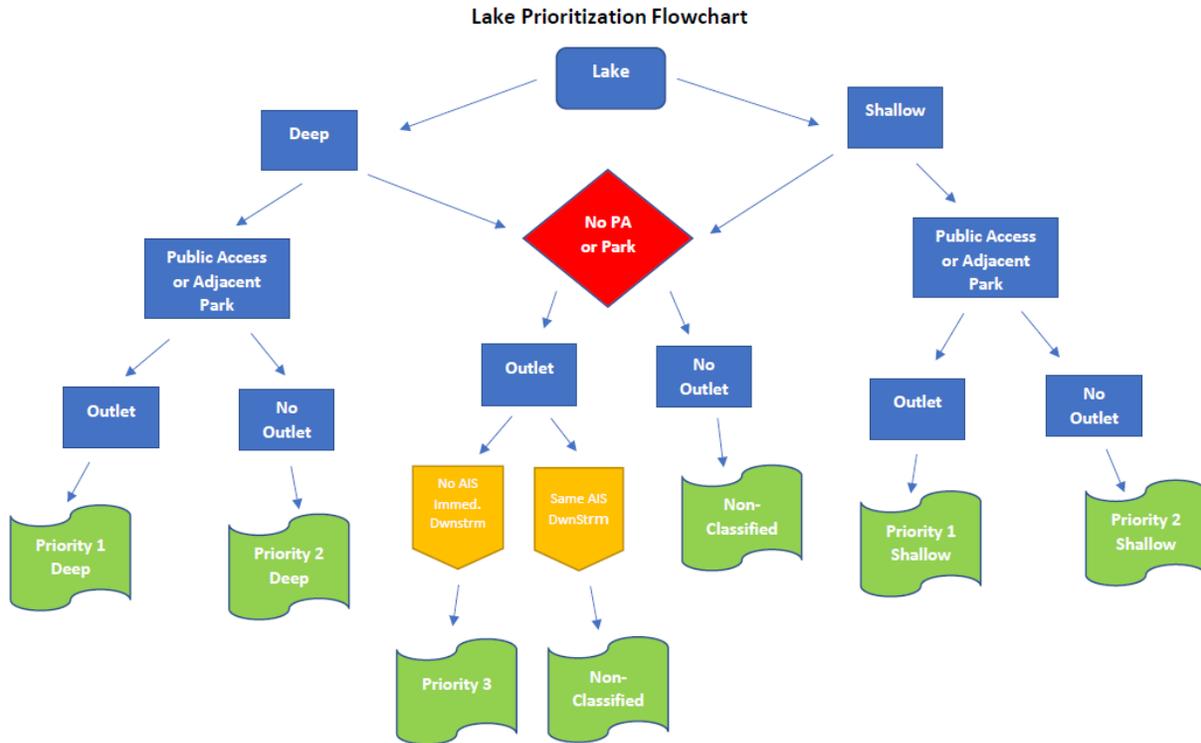
Background

Previous Board discussions on the development of an AIS management strategy resulted in the manager’s deciding to not “reinvent the wheel” and use the Bassett Creek Water Management Commission (BCWMC) Aquatic Plant Management (APM)/AIS Committee process of determining levels of involvement (lead, partner, no role) of various management objectives and review their list of 16 recommended activities as a starting point. The Board decided the next steps would be:

1. ~~Determination on the lead, partner, or no role.~~
2. ~~Determination on which lakes/creeks would be involved in the various activities. The BCWMC included Priority 1 and 2 Deep Lakes, Priority 1 and 2 Shallow Lake and Priority Streams. To facilitate discussion, attached is a table providing various characteristics/classifications of District waterbodies.~~
3. Discuss and determine AIS activities related to AIS identification (e.g., early detection monitoring), rapid response, prevention, monitoring and determine the District’s roles in each that we would then bring to the District’s own AIS/TAC Committee (which would include our various partners and stakeholders) as an initial draft of Board recommendations where we would be seeking their comment.

Below is the table the Board determined for results of the levels of involvement the managers thought the District should have in various AIS management activities and that lake prioritization flowchart and resulting prioritization spreadsheet , determination on which lakes/creeks would be involved in the various activities.

Primary Objective of Project	District should be involved or lead	District should be involved only as a partner	District should not be involved
Activities that improve water quality	X		
Activities that improve habitat and the overall ecology of the waterbody		X	
Activities that protect the function or capacity of the District’s 100-year flood zone	X		
Activities that that primary purpose is to improve recreation			X
Activities that improve aesthetics			X



Which resulted the following prioritization for the District’s lakes and streams

Priority Stream

North Fork of NMC
 South Fork of NMC
 Main Stem of NMC

Priority 1 Shallow Lake

Anderson Lake – NW
 Anderson Lake – SW
 Anderson Lake – SE
 Cornelia Lake
 Normandale Lake
 Penn (Lower) Lake
 Smetana Lake

Priority 2 Deep Lake

Glen Lake
 Shady Oak Lake

Priority 1 Deep Lake

Bryant Lake
 Bush Lake

Priority 2 Shallow Lake

Lone Lake

Priority 3 Lake

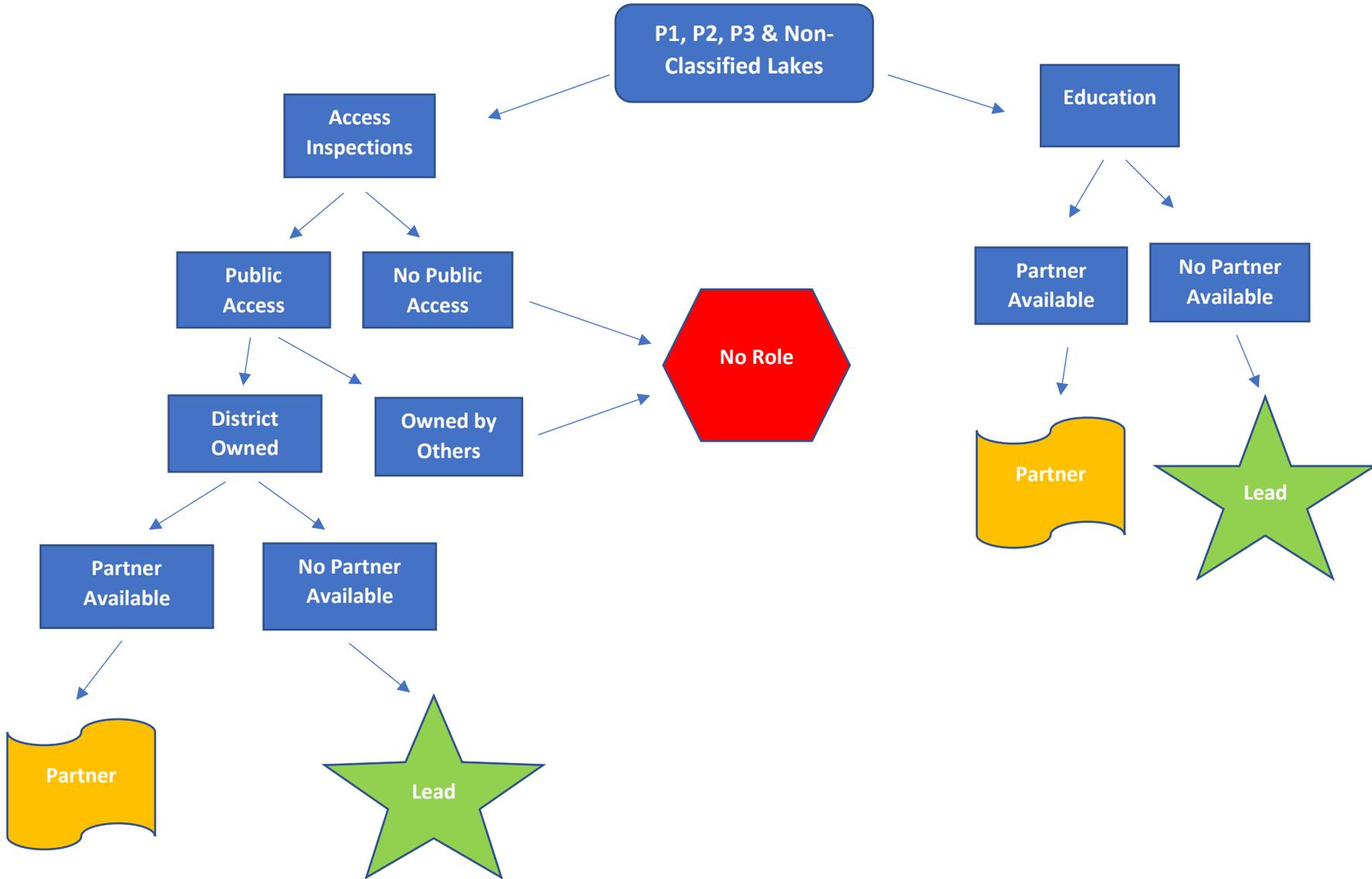
Edina Lake

As for item 3 above, attached are draft flowcharts to try to guide the District’s decision making process in determining what our role should be in prevention, identification (e.g., early detection), rapid response, monitoring/inventories and overall management for the various lake and stream prioritization classifications.

Request

No action needed at this time. The information is presented to promote discussion and provide direction to staff.

NMCWD's Role in AIS Prevention



Notes

Education should be the District's main role in prevention unless we want to provide funds (via cost-share grants -- although Hennepin County already does this) to others for access inspections.

NMCWD's Role in Identification (e.g., Early Detection)

P1, P2, P3 & Non-Classified Lakes

Volunteer Available

No Volunteer Available

Recruit Volunteers

No Role

By Providing Adopt-a-Dock Plates and Tracking Findings

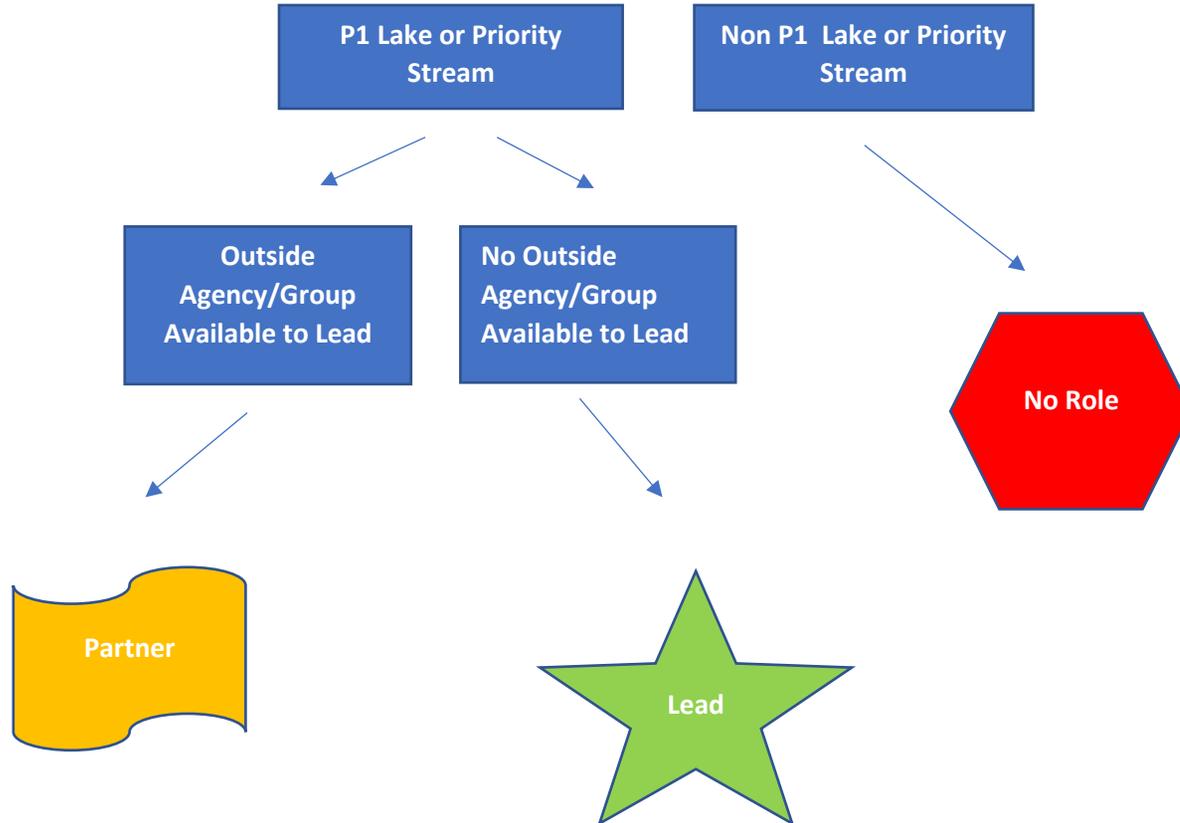
By Providing Early Detection Training for Monitoring and Tracking Findings

Continue to Recruit Volunteers

Notes

- Low cost
- Low effort
- Programs already available (Adopt-a-Dock)
- Can use volunteer early detection programs (already have had volunteers trained on some lakes)

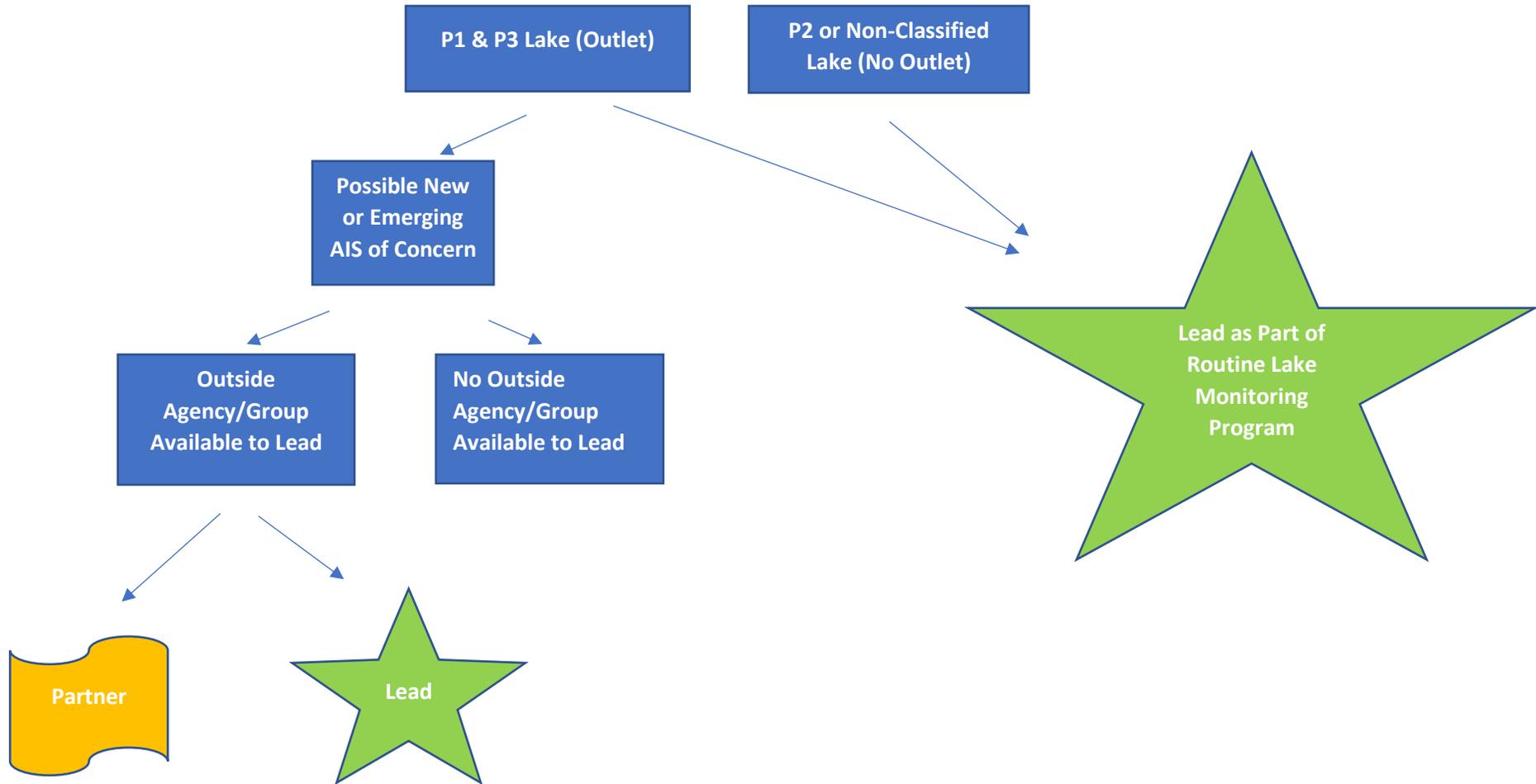
NMCWD's Role in Rapid Response



Notes

- **Rapid Response Plan for zebra mussels, Eurasian watermilfoil, or new and emerging AIS**
- **Develop Rapid Response Plan with potential partners and TAC**
 - MNDNR
 - Hennepin County
 - MAISRC
 - Three Rivers Park District
 - Bloomington
 - Eden Prairie
 - Edina
 - Minnetonka

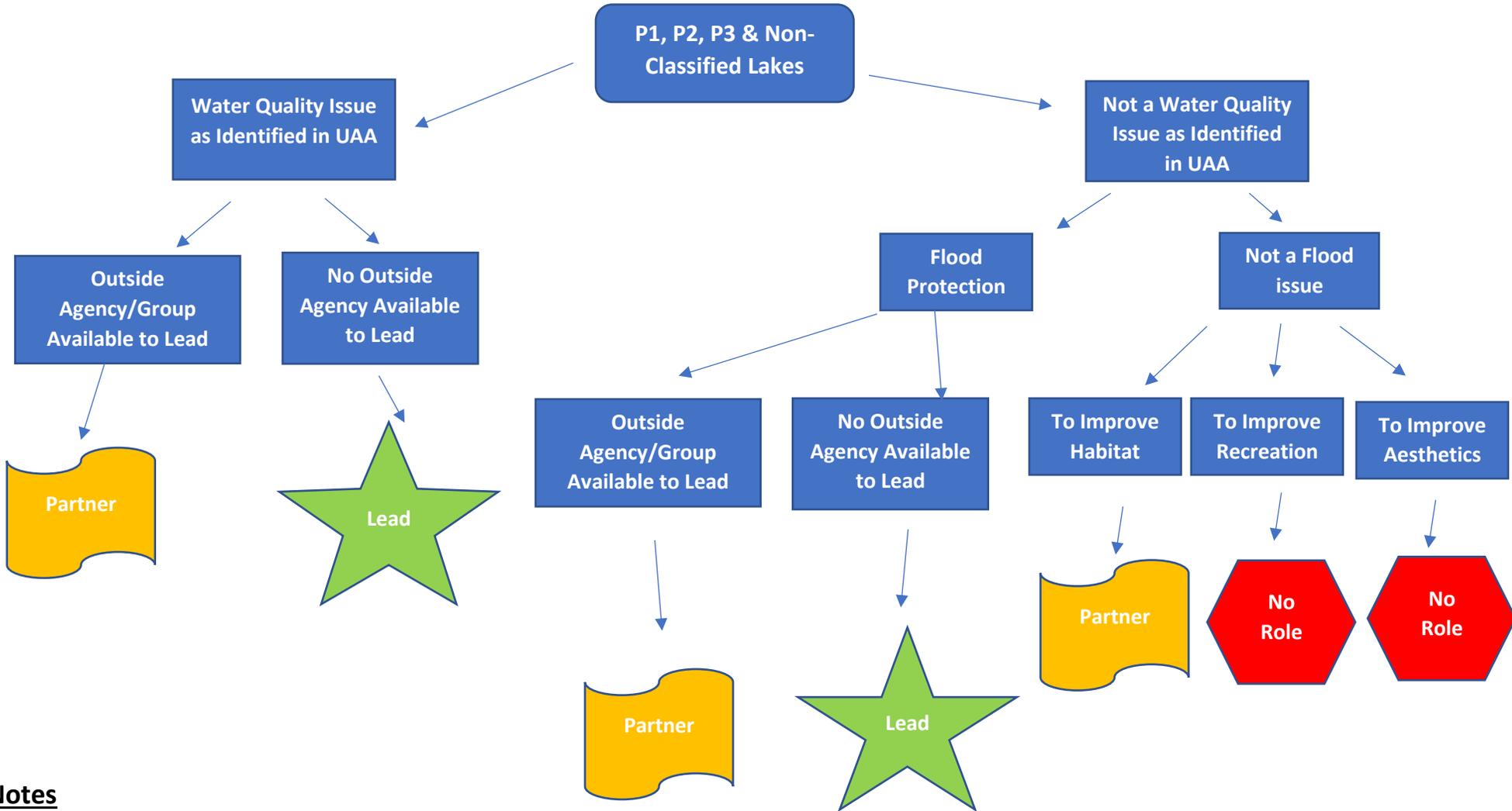
NMCWD's Role in AIS Monitoring and Inventories



Notes

- The District already does vegetation surveys as part of routine lake monitoring
- We can use existing volunteer early detection programs (already have had volunteers trained on some lakes)
- We could maybe add veliger (zebra mussels) testing to routine monitoring program
- Not interested in full blown assessments for each lake or other tasks out of our reach (e.g., “other pathways”)

NMCWD's Role in Overall AIS Management



Notes

- Herbicide treatments, (whole lake treatments or spot treatments)
- Lake drawdowns
- Biological control
- Carp/goldfish analysis as part of UAA updates