COON CREEK WATERSHED DISTRICT
Request for Board Action

MEETING DATE: January 9, 2017
AGENDA NUMBER: 15
ITEM: Annual AIS Update

POLICY IMPACT: Policy
FISCAL IMPACT: Budgeted

REQUEST
Receive annual report updating the list of aquatic invasive species (AIS) that are at **high risk** for introduction into the watershed

BACKGROUND
The 2013-2023 Comprehensive Plan directs the District to annually update the list of aquatic invasive species (AIS) that are at **high risk** for introduction into the watershed. For this update, high risk for introduction was defined as a documented occurrence adjacent to or within Anoka County.

To identify the relative threats of individual nonnative species, the Minnesota Invasive Species Advisory Council ranked the threat of numerous nonnative species to Minnesota, including those:
- with established populations in the state (established),
- that have been found in the state but are not established (invading)
- not known to be here (not in state).

Species that are invasive or potentially invasive were placed into one of several categories of threat: Severe, Moderate, Minimal, and Watch/Unknown Threat. Threat levels of species unlikely to pose any threats in Minnesota were not provided.

Each species was evaluated for its threat to several —impacted areas:
- native species/natural communities,
- use of natural resources,
- agribusiness,
- landscaped areas,
- human health,
- structures and stored products.
**Required District Actions: Comprehensive Plan**

**Goals**

6.1 To minimize the harmful ecological, economic and human health impacts of aquatic invasive species.

6.2 To be proactive in aquatic invasive species management through education and projects that improves lake and stream water quality and/or reduces the risk of entry of invasive species.

6.3 Control the spread of AIS and minimize their impacts on native habitats and species.

**Objectives**

1. Minimize and prevent the introduction and spread of AIS into and throughout the waters of the Coon Creek Watershed District.

2. Develop and maintain programs that ensure the early detection of new AIS and the monitoring of existing AIS.

**Actions:** Annually update the list of AIS as high risk for introduction.
### ISSUES/CONCERNS

#### Current List of Species of High Risk of Introduction to District Waters

<table>
<thead>
<tr>
<th>Present in CCWD</th>
<th>Threat Status</th>
<th>Trend in MN</th>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Life Form</th>
<th>County</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe Established</td>
<td>Severe</td>
<td>Established</td>
<td>Curlyleaf Pondweed</td>
<td><em>Potamogeton crispus</em></td>
<td>Plant</td>
<td>Anoka</td>
<td>Crooked, Ham</td>
</tr>
<tr>
<td>Not Listed Established</td>
<td>Severe</td>
<td>Established</td>
<td>Eurasian Watermilfoil</td>
<td><em>Myriophyllum spicatum</em></td>
<td>Plant</td>
<td>Anoka</td>
<td>Crooked, Ham</td>
</tr>
<tr>
<td>Not Listed Established</td>
<td>Not Listed</td>
<td>Established</td>
<td>Hybrid Watermilfoil</td>
<td><em>M. spicatum x M. sibiricum</em></td>
<td>Plant</td>
<td>Anoka</td>
<td>Crooked, Ham</td>
</tr>
<tr>
<td>Severe Established</td>
<td>Severe</td>
<td>Established</td>
<td>Purple Loosestrife</td>
<td><em>Lythrum salicaria</em></td>
<td>Plant</td>
<td>Anoka</td>
<td>Multiple</td>
</tr>
<tr>
<td>Not Listed Established</td>
<td>Not Listed</td>
<td>Established</td>
<td>Hybrid Cattail</td>
<td><em>Typha x glauca</em></td>
<td>Plant</td>
<td>Anoka</td>
<td>Multiple</td>
</tr>
<tr>
<td>Severe Established</td>
<td>Severe</td>
<td>Established</td>
<td>Common carp</td>
<td><em>Cyprinus carpio</em></td>
<td>Fish</td>
<td>Anoka</td>
<td>Multiple</td>
</tr>
<tr>
<td>Severe Not expected to survive in MN</td>
<td>Severe</td>
<td>Not expected to survive in MN</td>
<td>Water Hyacinth</td>
<td><em>Eichhornia crassipes</em></td>
<td>Plant</td>
<td>Anoka</td>
<td>Crooked</td>
</tr>
<tr>
<td>Not listed Unknown</td>
<td>Not listed</td>
<td>Unknown</td>
<td>Water Lettuce</td>
<td><em>Pistia stratiotes</em></td>
<td>Plant</td>
<td>Anoka</td>
<td>Crooked</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Present in Anoka County or Adjacent Counties</th>
<th>Threat Status</th>
<th>Trend in MN</th>
<th>Common Name</th>
<th>Scientific Name</th>
<th>Life Form</th>
<th>County</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moderate Established</td>
<td>Moderate</td>
<td>Established</td>
<td>Flowering Rush</td>
<td><em>Butomus umbellatus</em></td>
<td>Plant</td>
<td>Anoka</td>
<td>Amelia, Bass</td>
</tr>
<tr>
<td>Severe Established</td>
<td>Severe</td>
<td>Established</td>
<td>Zebra Mussel</td>
<td><em>Dreissena polymorpha</em></td>
<td>Invertebrate</td>
<td>Multiple</td>
<td>Multiple</td>
</tr>
<tr>
<td>Severe Invading</td>
<td>Severe</td>
<td>Invading</td>
<td>Brittle Naiad</td>
<td><em>Najas minor</em></td>
<td>Plant</td>
<td>Hennepin</td>
<td>Round, Staring</td>
</tr>
<tr>
<td>Not listed Invading</td>
<td>Not listed</td>
<td>Invading</td>
<td>Starry Stonewort</td>
<td><em>Nitellopsis obtusa</em></td>
<td>Macroalgae</td>
<td>Wright</td>
<td>West Sylvia</td>
</tr>
</tbody>
</table>

**New Species of High risk of Introduction to District Waters**

In 2016, 7 new lakes in MN were listed as infested with Starry Stonewort, including one Lake in neighboring Wright County. Starry Stonewort is a plant-like macroalgae that can form dense stands that may reduce habitat value and impact recreation.

**Related District Actions**

The District is in the process of developing an AIS plan. The plan will analyze BMPs for the established and invading species and review the District’s activities involving:

a. Prevention  
b. Early Detection and Rapid Response  
c. Containment and Restoration  
d. Education, Training, and Public Outreach  
e. Research
OPTIONS
Support State and local efforts geared toward
- Public Education
- Prevention
- Early detection
- Eradication

RECOMMENDATION
Receive report