



Concept Map Activity – Sample

Why Manage Plants

1. Causes

1. Subtropical climate
2. No natural predators
3. Aggressive growth
4. Careless importation of plants

2. Initial Thoughts

- Fish and wildlife habitat impacted
- Bring in natural predators
- Educate public
- Nutrient levels and dissolved oxygen levels impacted
- Displacement of native plants

3. Possible Solutions = Maintenance Control

1. Mechanical Control
 - Less use of herbicide, damages natural ecosystem
2. Chemical Control
 - Faster acting and selective to plants
3. Physical Removal
 - Less herbicide used, labor intensive and costly
4. Biological Control
 - No herbicide, decreases competitive advantage

4. Analysis

- Restore natural ecosystems
- Restore recreational, aesthetic, and economic value of waterbody

5. Maintenance control versus crisis management

- Economic Costs

