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Saving Salisbury Pond

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Salisbury Pond has been contaminated for over 40 years, it is time to take action.

**Abstract**
Salisbury Pond has been contaminated for over 40 years, it is time to take action.

**Reasons to Restore the Pond**
- Aesthetics
- Wildlife habitat
- Recreational
- Educational

**Goals**
1. Advocate for restoring the pond
2. Gain backing for the pond
3. Locate illegal drains and stop contamination
4. Educate the citizens of Worcester
5. See Salisbury used once again for WPI’s Freshman/Sophomore rope pull

**Comparison of Water Quality Standards and Salisbury Pond**

<table>
<thead>
<tr>
<th>Value Tested</th>
<th>Accepted Threshold</th>
<th>Level in Salisbury Pond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Nitrogen (Surface Water)</td>
<td>$&lt; 0.50 \text{ mg L}^{-1}$</td>
<td>1991 $\rightarrow 0.52 \text{ mg L}^{-1}$</td>
</tr>
<tr>
<td>Total Phosphorus (Surface Water)</td>
<td>$&lt; 0.05 \text{ mg L}^{-1}$</td>
<td>1991 $\rightarrow 0.07 \text{ mg L}^{-1}$</td>
</tr>
<tr>
<td>Chlorophyll A (Algal Biomass)</td>
<td>$&lt; 0.18 \text{ mg L}^{-1}$</td>
<td>2014 $\rightarrow 14.7 \text{ mg L}^{-1}$</td>
</tr>
<tr>
<td>Secchi Depth (Water Clarity)</td>
<td>$\geq 1.0 \text{ in}$ (Clean)</td>
<td>1991 $\rightarrow 0.7 \text{ m}$</td>
</tr>
</tbody>
</table>

“What we do to the land we do to the water” ~ Donna Williams

1) Dredging the Pond (A needed first step towards cleaning the pond)

2) Aeration Fountain (adds dissolved oxygen)

3) Particle Separators (Fixed in the pipes and prevent most sediment from entering)