Introduction

The purpose of this project was to identify the quantity of material that would need to be removed from the lake bed (outside of the County dredging areas) to provide for a minimum level of water in the lake.
Analysis

ISE conducted a limited survey of the areas that were approximately 4 ½ feet of depth or less compared to the original water surface. We then performed an analysis to determine how much material it would take to achieve various depths of water in those areas.
Analysis

Material to be Removed & Hauled Away

Minimum Planned Depth

Historic Lake Level

Current Lake Level

Approx. 7 Feet

Historic Shoreline

Lake Peachtree Additional Dredging

Not to Scale
Analysis
## Results

<table>
<thead>
<tr>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-feet Minimum Depth (13,400 cu yd)</td>
<td>$402,000 – $670,000</td>
</tr>
<tr>
<td>3.5-feet Minimum Depth (20,100 cu yd)</td>
<td>$603,000 – $1,005,000</td>
</tr>
<tr>
<td>4-feet Minimum Depth (27,000 cu yd)</td>
<td>$810,000 – $1,350,000</td>
</tr>
<tr>
<td>Removal of Island (97,500 cu yd)</td>
<td>$2,925,000 – $4,875,000</td>
</tr>
</tbody>
</table>
Factors Affecting Cost

- Distance / Route to Nearest Roadway
- Damage Repairs to Existing Infrastructure
- Disposal Site
- Fuel Costs
Questions / Discussion