**Abstract**

Phaeophyscia leana is a lichen species that is of special concern and is potentially sensitive to land-use patterns associated with riverine habitats. This imperiled lichen is especially sensitive to land-use patterns associated with riverine habitats. It is important to study the habitat of this lichen to better understand the threats it faces and the potential for its conservation.

**Introduction**

Phaeophyscia leana was originally described from a bog in Ohio, USA (Thomson 1963). This lichen is found in habitats that are park-like in nature, have high levels of incident light, and are affected by factors that influence riparian habitats. Ohio River (Illinois side): Vicinity of Saline Mines and River Mile 865 looking upstream towards Old Shawneetown State Park. (Stand designation: County: Size: Status:)

**Range of Phaeophyscia leana**

<table>
<thead>
<tr>
<th>Region</th>
<th>Substrate</th>
<th>Taxon</th>
<th>Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohio</td>
<td>Tree</td>
<td>P. leana</td>
<td>Wet, shady</td>
</tr>
<tr>
<td>Indiana</td>
<td>Waterway</td>
<td>P. leana</td>
<td>Wet, shaded</td>
</tr>
<tr>
<td>Illinois</td>
<td>Wetland</td>
<td>P. leana</td>
<td>Wet, bright</td>
</tr>
</tbody>
</table>

**Materials and Methods**

Intensive surveys by automobile, watercraft, and on foot have been undertaken to assess the range of P. leana in southern Illinois. Watercraft surveys have been completed from the mouth of the Wabash River to Mink Island near New Albany. Ship surveys have been completed to and beyond the Ohio River mouth. The Ohio River has been surveyed to 400 km southwest of the type locality along the shores of the Ohio River at Tower Rock Recreation Area (T12S, R8E, Sections 19 and 20), Hardin Co., Illinois.

**Habitat**

Phaeophyscia leana is a unique, threatened lichen that is found in habitats that are park-like in nature, have high levels of incident light, and are affected by factors that influence riparian habitats. Ohio River (Illinois side): Vicinity of Saline Mines and River Mile 865 looking upstream towards Old Shawneetown State Park. (Stand designation: County: Size: Status:)

**Threats**

Transport of commodities have had their hydrologic features irreparably damaged. Seasonal floods that transport of commodities have had their hydrologic features irreparably damaged. Seasonal floods that transport of commodities have had their hydrologic features irreparably damaged. Seasonal floods that transport of commodities have had their hydrologic features irreparably damaged. Seasonal floods that transport of commodities have had their hydrologic features irreparably damaged.

**Acknowledgments**

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**References**


**Funding Sources**

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