



# Field Guide for Classifying Sea Lamprey A-Type Marks on Lake Trout<sup>1</sup>

**Major characteristic:** Definite opening through skin with muscle visible except when fully healed

<b>A-I MARK</b>		
<p>No healing, fresh mark:</p> <ul style="list-style-type: none"><li>• Definite opening through skin into muscle</li><li>• Skin rough to touch and white, no healing</li><li>• Scales missing, scale pockets apparent</li></ul>	<b>A-I</b>	<b>A-I</b>
<b>A-II MARK</b>		
<p>Limited healing:</p> <ul style="list-style-type: none"><li>• Muscle exposed and reddish</li><li>• White mucus covering muscle indicates that healing is beginning</li><li>• Skin not rough to touch and white</li><li>• Scales missing, scale pockets not observable</li><li>• Re-pigmentation of skin not evident</li></ul>	<b>A-II</b>	<b>A-II</b>
<b>A-III MARK</b>		
<p>Considerable healing:</p> <ul style="list-style-type: none"><li>• Muscle somewhat exposed and reddish</li><li>• Considerable healing, particularly of muscle</li><li>• Pigmentation returning to skin</li></ul>	<b>A-III</b>	<b>A-III</b>
<b>A-IV MARK</b>		
<p>Completely healed mark:</p> <ul style="list-style-type: none"><li>• No exposed muscle</li><li>• Skin completely healed and re-pigmented</li><li>• No scales present over healed pit</li></ul>	<b>A-IV</b>	<b>A-IV</b>

<sup>1</sup> Produced by the Great Lakes Fishery Commission, April 2006. See Miscellaneous Publication 2006-02 for full descriptions.



# Field Guide for Classifying Sea Lamprey B-Type Marks on Lake Trout

- Key characteristics:**
- Obvious attachment site but no pit into muscle
  - Muscle not exposed unless skin is sloughed—see below for B-II mark
  - Scales missing at first three stages

## B-I MARK

Fresh mark:

- Pit absent, skin not broken
- Skin rough to touch
- Scales missing, scale pockets easily observed
- No signs of healing



B-I



B-I

## B-II MARK

Limited healing:

- Skin smooth to the touch
- Skin may or may not be broken
- Some healing
- Skin may have been sloughed exposing muscle but no pit into muscle



B-II

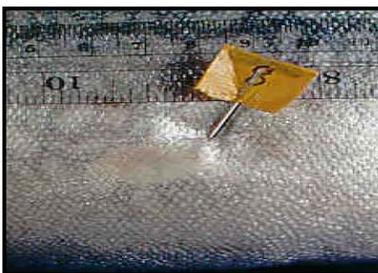


B-II

## B-III MARK

Considerable healing:

- Pigments not completely returned
- No scales in area of mark
- Considerable pigmentation of skin
- Considerable healing around mark



B-III

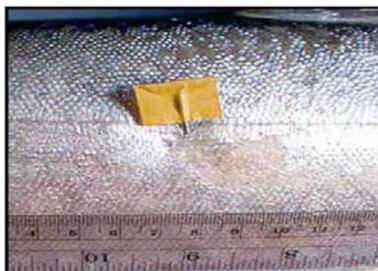


B-III

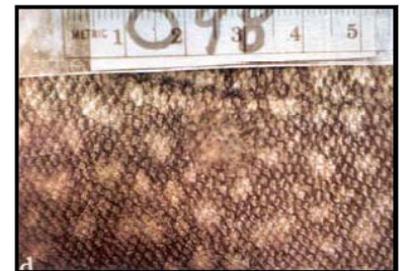
## B-IV MARK

Completely healed:

- Completely healed mark
- Regenerated scales
- Skin re-pigmentation completed



B-IV



B-IV