LPMS Data Issues
Inland Waterways Users Board
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LPMS Delay Times

- Historic LPMS data collection
  - Delay time started once Tow reached the arrival point
  - Arrival point not standard at all locks
    - Set point upstream/downstream
    - Point where helper boat connected
LPMS Delay Times

• **Proposal: LPMS data entry nationally**
  - Arrival time now starts delay time
  - Helper boat location no longer factor
  - Arrival time set by lock operator

• **Procedure for these changes**
  - Internal IWR Nav consistency **DONE**
  - HQ review/approval **DONE**
  - **Stakeholder** review and input **DONE**
  - Final HQ approval **DONE**
  - Establishment of new procedures at locks
    • Starting 1 Jan 2016
Delay vs Processing times

Lock Project Transit Time

<table>
<thead>
<tr>
<th>Queuing Delay</th>
<th>Processing Time Delay</th>
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<tbody>
<tr>
<td>Arrival Time</td>
<td>Start of Lockage</td>
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<td>Bow Over Sill</td>
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<td>End of Entry</td>
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<td>1st Cut</td>
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<td>Start of Exit</td>
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<td>Last Cut</td>
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<tr>
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<td>End of Lockage</td>
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<tr>
<td>Delay</td>
<td>Approach</td>
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<td>Entry</td>
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<td>Chambering</td>
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<td>Exit</td>
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Vessel at "arrival point" and / or signals readiness to process.
Questions?

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