

# Inland Marine Transportation System Levels of Service Update

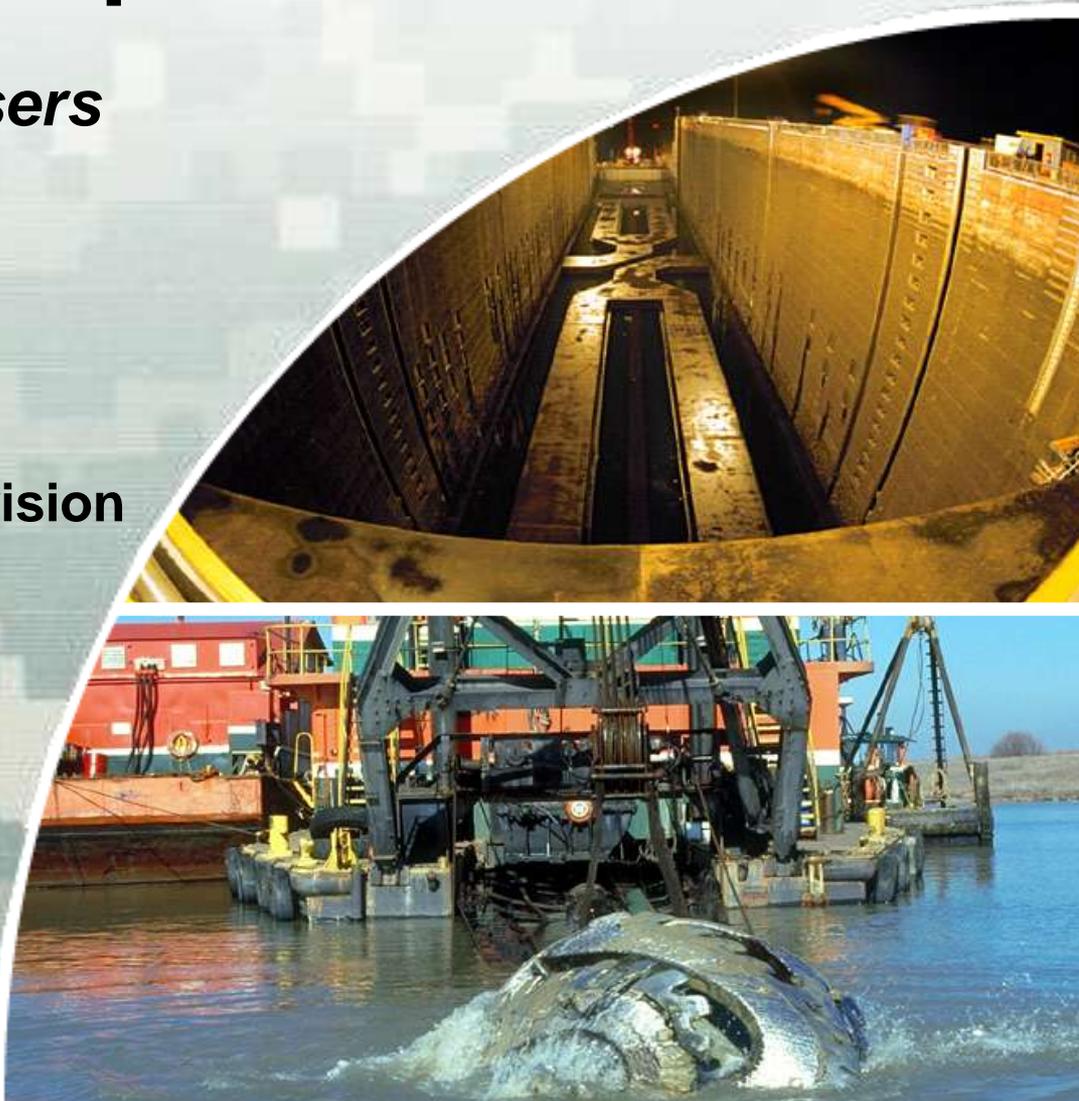
*For Inland Waterways Users  
Board #68*

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US Army Corps of Engineers  
**BUILDING STRONG®**



# Corps Navigation Mission

**Provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.**



# IMTS Levels of Service Background

- What we are doing is unsustainable
- Driven by FY12 Budget Reduction (Low Performing Program)
- Not closing locks but adjusting Operating hours of Service
- Extend life of asset
- Reduce expenses
- Focus savings on lock maintenance



# Terminology

- **River Systems**
  - High: Over 3B ton-miles per year
  - Moderate: 1-3B ton-miles per year
  - Low: Less than 1B ton miles per year
- **Navigation Locks**
  - Full service if lock has over 1000 commercial lockages per year
  - 5 Levels of less than full service depending on commercial lockages
- **There can be low use locks on high use river systems**



# Low Commercial Use

- **Process**

- **Evaluated Commercial and Recreational Lockage Data for individual locks**
- **Less than 1000 commercial lockages per year: 54 locks on 19 river systems**
- **Established levels for less than 24/7 operations by reviewing present practice across IMTS**



# Levels of Service

**Table 1: Definition of Levels of Service**

<b>Level</b>	<b>Title</b>	<b>Description</b>
<b>1</b>	<b>Full Service 24/7/365</b>	<b>24 hours/day, 7 days/week, 365 days/year</b>
<b>2</b>	<b>Reduced Service - Two Shifts Per Day</b>	<b>16-20 hours/day, 7 days/week, 365 days/year (basically two shifts of either 8 or 10 hrs)</b>
<b>3</b>	<b>Limited Service - Single Shift</b>	<b>8-12 hours per day, 7 days/week, 365 days/year</b>
<b>4</b>	<b>Scheduled Service - Set times per day</b>	<b>Lockages (including recreation craft) at set times per day. For example 8 am and 4 pm.</b>
<b>5</b>	<b>Weekends &amp; Holidays</b>	<b>Lockages on weekends and holidays only</b>
<b>6</b>	<b>Service by Appointment</b>	<b>Commercial lockages by appointment*</b>



# Performance Guidelines

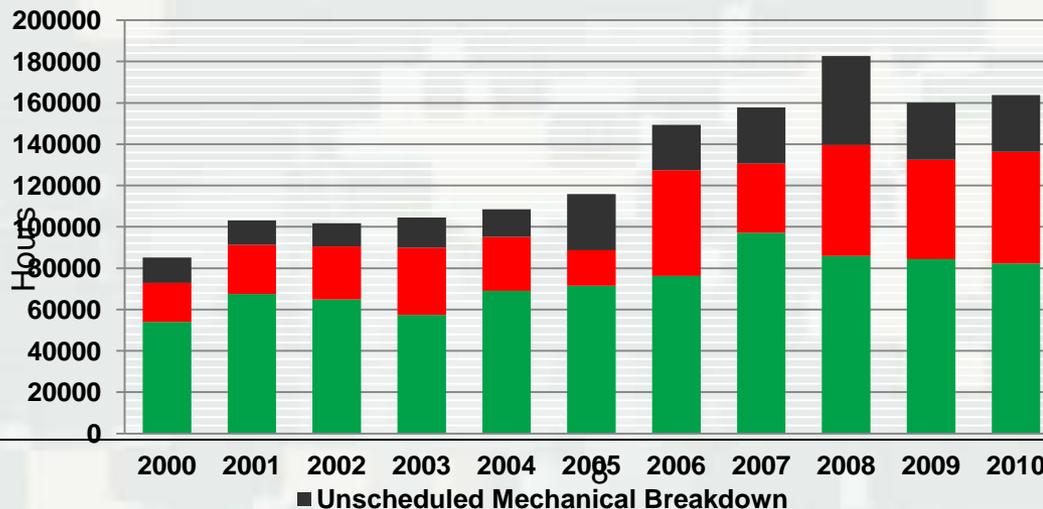
***Table 2: Guide to Levels of Service***

<b>Level #</b>	<b>Title</b>	<b>Guideline for Range of Lock Operation Data</b>
<b>1</b>	<b>Full 24/7/365</b>	<b>More than 1000 commercial lockages per year</b>
<b>2</b>	<b>Two Shifts Per Day</b>	<b>Between 500 to 1000 commercial lockages per year.</b>
<b>3</b>	<b>Single Shift</b>	<b>Less than 500 commercial lockages per year or greater than 1000 recreational lockages per year</b>
<b>4</b>	<b>Set times per day</b>	<b>Limited commercial and/or substantial recreational traffic, with a more consistent pattern of lockage</b>
<b>5</b>	<b>Weekends &amp; Holidays</b>	<b>Little to no commercial lockages with significant recreational lockages (500 or more per year) with no consistent pattern.</b>
<b>6</b>	<b>Appointment</b>	<b>Limited commercial traffic with no consistent pattern of lockage.</b>



# Levels of Service - Results

- Reduced wear on lock operating components
- Reduced lock operator expenses applied to preventative maintenance
- Extend the service life of aging, deteriorating infrastructure
- Bottom line: Keep it functioning!



# Levels of Service Changes

- Oct 2012 implement on low commercial use river systems
- 1 Jan 2013 implement on moderate commercial use river systems
- 1 Apr 2013 implement on high commercial use river systems



# Since IWUB 67

- Alabama and ACF River Systems – Level 6 and recreational lockages
- MKARNS Congressional inquiry
- Allegheny River System – Inquiring about contributed funds, provide lock operators
- MKARNS flexibility resuming 24/7 for 2 weeks when system opens following Montgomery Point lock closure.



# Summary

What do we do?  
Provide Navigation  
infrastructure that is Reliable,  
Efficient, Resilient and  
Environmentally Sustainable.

Why is it important?  
This infrastructure enables  
American goods to compete in  
the Global marketplace.

Economy, Jobs and Exports!

