

# Iowa Department of Natural Resources Conservation & Recreation Division



## **FISHERIES SURVEY SYSTEM REPORT-OUT MARCH 5-7, 2018**



# Why Are We Here?



- ISU will no longer host the system on their servers after 2018
- Duplication of work by staff
- Data not available to the public until 1 year after gathering

**Sponsor:**

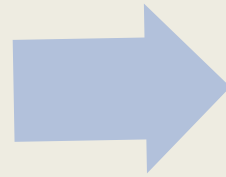
Joe Larscheid  
Fisheries Bureau Chief



# Event Scope



From the time  
staff collect  
data in the field



To the time  
data is entered  
and used

# Baseline – Where We Are Today



## Current State

- 8+ months until data is available to the public after it has been gathered by staff
- Duplicate databases are kept which means duplication of entry data and wasted time to enter data twice
- Paper to electronic system consumes available staff time.

## Goals for future state

- Data will be entered once into a centralized system immediately after collection in the field
- Data immediately available for staff to download through standard reports or other queries.
- Public information quickly available and most in current year data is collected

# How Do We Get There?



1. Review and develop standard processes for data collection and data entry.
2. Determine end products for staff and the public that are useful and standardized to use across all water bodies.
3. Develop a process that can move forward into a technological solution.
4. Identify gaps within the process and formulate a strategy or solution to filling those gaps.

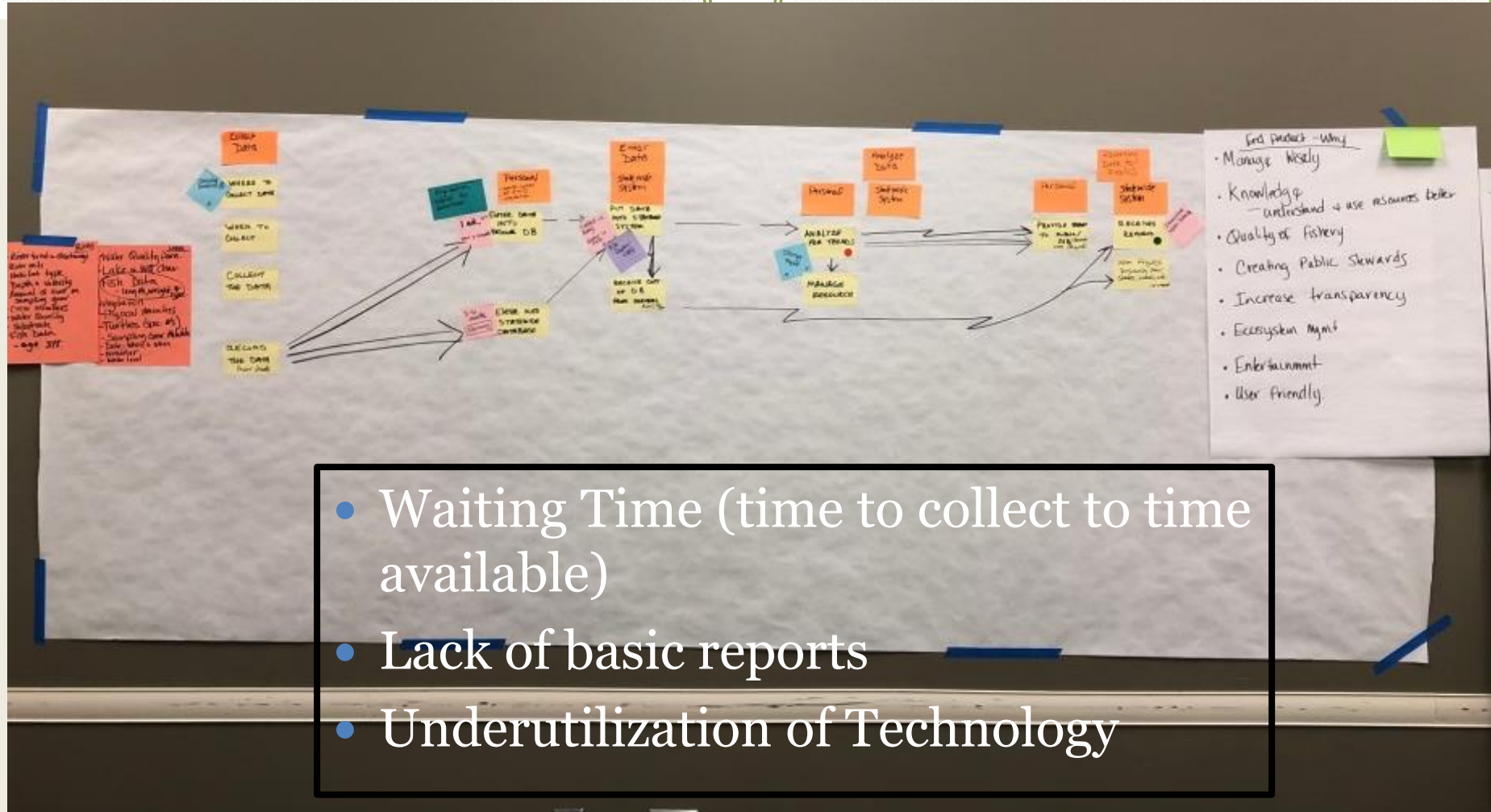
# What is Value Stream?



- A visual diagram of a process that:
  - Captures the current state at a high level
  - Identifies flow of documents, information, processes
  - Identify management and information systems that support process
  - Identify waste in the process
  - Identify where to focus improvements



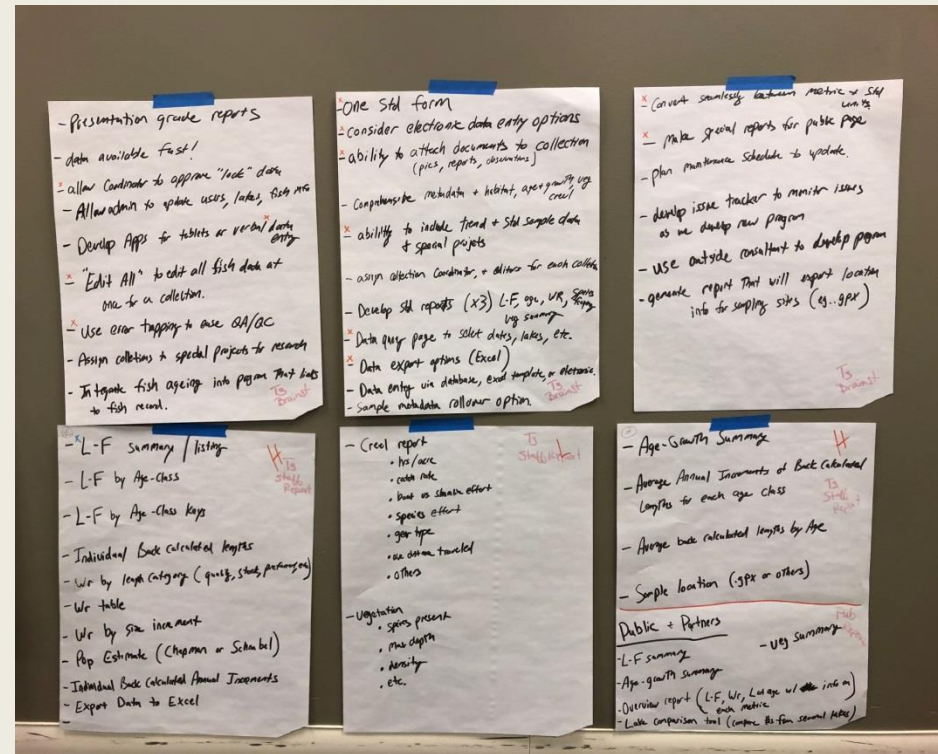
# Current State



# Discussion & Consensus



- Identified waste
- Value added discussion
- Brainstorming of improvements
- Selection of ideas

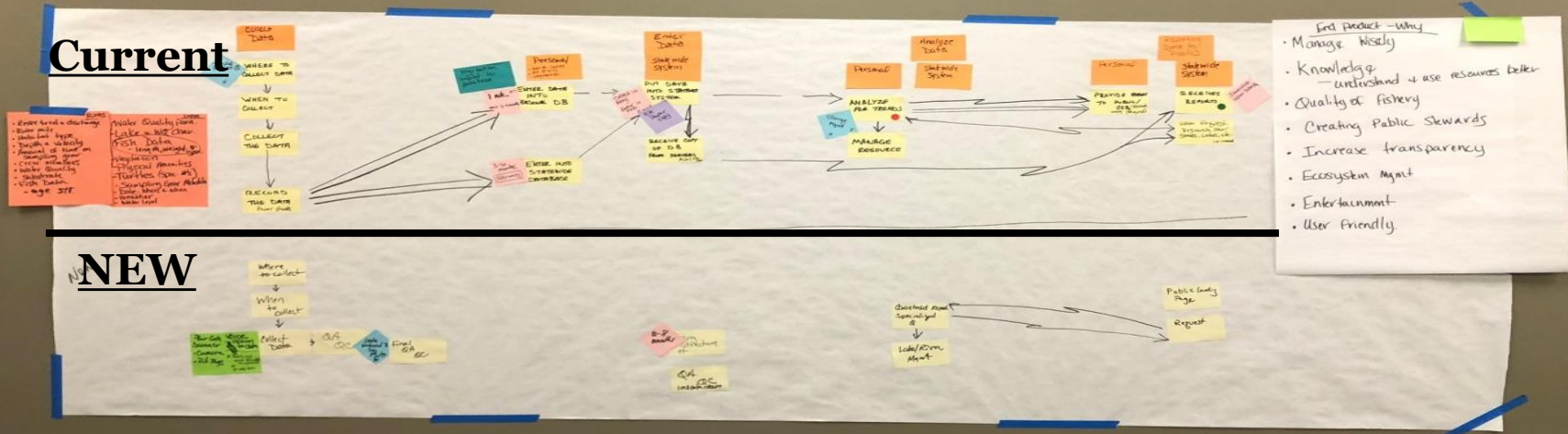




# Future State Map

## Changes:

- Enter data once through tablet with QA/QC at time of entry – upload through internet connection
- Immediate availability of data to the public and for standard reports and comparisons with other waterbodies
- Rivers data and lakes data stored in the same location
- Utilized technology to save time (voice to data option, tablets, in-the-field upload potential)



# Time Line



April –  
June

- RFP Developed for design of new electronic system

July –  
December

- Electronic system developed and equipment as needed purchased

December  
– March

- Training on system and equipment. SOP's as needed updated to reflect new system