

October 23, 2019

Integrated Data Collection Around the U.S.

PROJECTS AND DATA

Today's presentation

- What is Integrated Data Collection?
 - Why does it matter?
 - How do we collect it?
- Who is doing this work?
- Let's look at some data!







What is Integrated Data Collection?





Collecting two or more of the following at the same time:

- Quality information
- Velocity information
- Bed material information
- Contour information
- Pictures
- Etc.



Why does it matter?





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HYCAT – Autonomous Surface Vehicle (ASV)

Overview

HYCAT – Autonomous Surface Vehicle (ASV)

Performance

Specifications	
LOA (in)	71
Beam (in)	24
Draft (in)	6
Weight	120
Max Speed (kts)	ASV 8 knots (Surveying 4 knots)
Endurance (hrs)	
@ 2 knots	8
@ 3 knots	6
@ 4 knots	2.7

Who is doing this work?

You!

Let's look at some projects/data!

Reservoir 51 Continued

Nolin River Lake, KY

Potential Interaction of Groundwater and Surface Water Including Autonomous Underwater Vehicle Reconnaissance at Nolin River Lake, Kentucky, 2016

Nolin River Lake, KY

xylem Let's Solve Water

Bushy Park Reservoir, Charleston, SC

California State University, Long Beach

CSU, LB Continued

California State University, Long Beach

et's Solve Water

Bonne Carre Spillway, LA (USACE Vicksburg)

Questions?

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