

Improvements for LPMS and Waterborne Commerce Data

**Inland Waterways Users Board
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**US Army Corps of Engineers
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Continued Improvements to LPMS and WCSC

Data output and visualizations

- WISDM 3.0 Public Navigation Viewer
 - ▶ Incorporated field input
 - ▶ Built Public and MSC (LRD) viewer
 - ▶ Will be editing based on comments

Up and Running on the cloud



Continued Improvements to LPMS and WCSC

Data output and visualizations

- Socrata data portal
 - ▶ Testing began with users: 4 May 2017
 - Still seeking user feedback
 - ▶ Initial round of reports intended to replace static files on <removed old URL>, and provide historic Lock Queue reports.
 - Lock Unavailability/Stoppages
 - Historic queue information
 - Historic tonnage trends
 - ▶ Next phase of reports will incorporate information on Waterborne Commerce Statistics and the Corps' Dredging Program

Up and Running on the cloud



Continued Improvements to LPMS and WCSC

Data output and visualizations

- Corps Locks website
 - ▶ Reports and data availability
 - Changes to formulas to calculate delay based on IWUB feedback
 - Additional flotilla based reports based on requirements
 - Move to interactive reports to enable the next round of request implementation (note: request implementation will be split between Corps Locks website and Socrata platform)
 - ▶ Still seeking User feedback on direct data feeds
 - What information is most important? What format is most usable?
- Next phase is moving Lock data entry to the cloud
 - ▶ Will reduce overall downtime for both Corps and Public users

Will be deployed within week



Live Demonstrations

- Corps Locks data:
Links to be provided.
- Public Navigation Viewer:
<http://dmz-waf3-elb-1381667724.us-gov-west-1.elb.amazonaws.com/pbb/>
- Socrata data viewer:
<Removed old URL>

Comments from users will improve these sites!



Questions?

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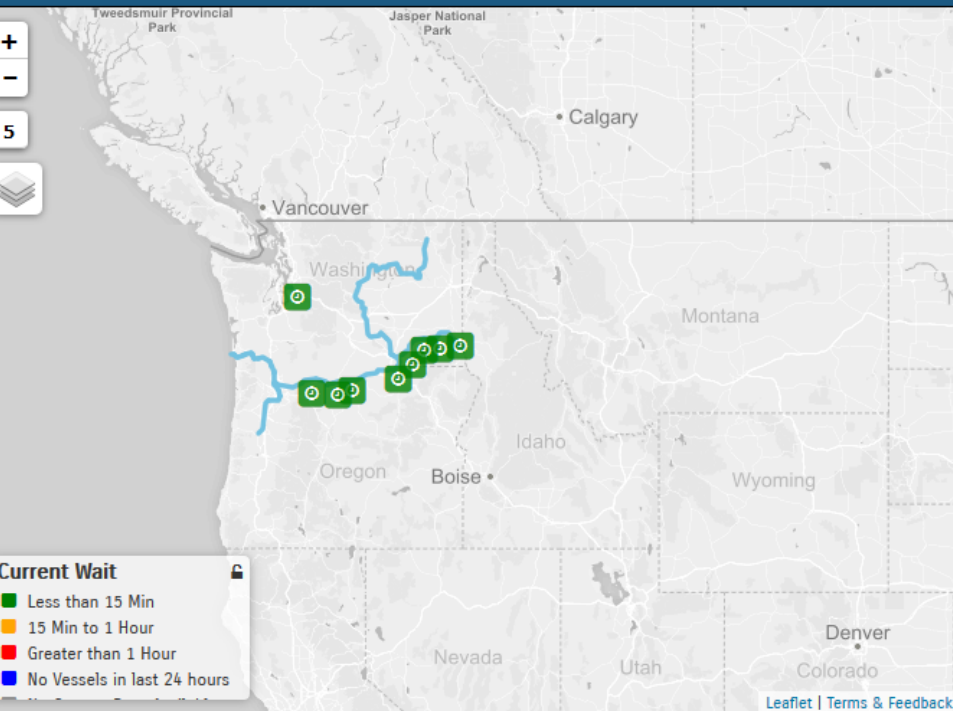
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Performance Based Budgeting Visualization Civil Works Business Intelligence

Map Split Charts Data Rollup

Select Scenario: **Lock Queue** Lock Status Notice to Nav. Interests Financial



Columbia River > Bonneville Lock And Dam > Select a Chamber: **All**

Auxiliary-1 Main-2

Performance > Traffic > Recent Operations

Search

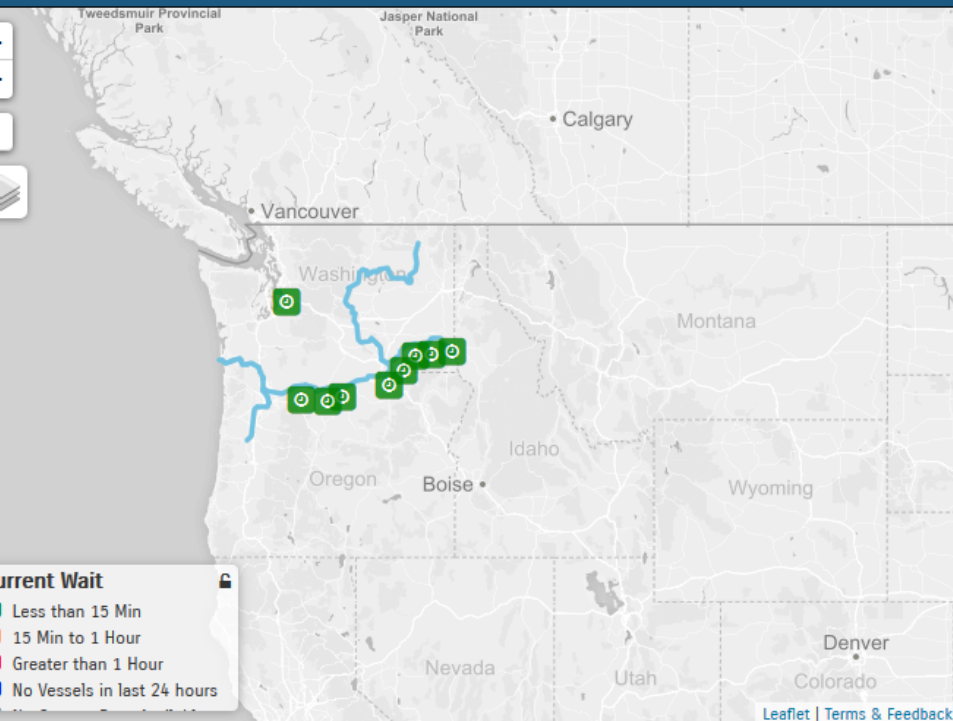
Vessel Num.	Vessel Name	Direction	Sequence Num.	Wait (min)	St
0099996	FED GOVT CONTRACTOR	D	-	0	Co
0099996	FED GOVT CONTRACTOR	U	-	0	Co
0511362	WALLACE E	U	-	1	Co
0933412	EXPLORER	D	-	1	Co
1259618	RYAN POINT	D	-	0	Co



Performance Based Budgeting Visualization Civil Works Business Intelligence

Map Split Charts Data Rollup

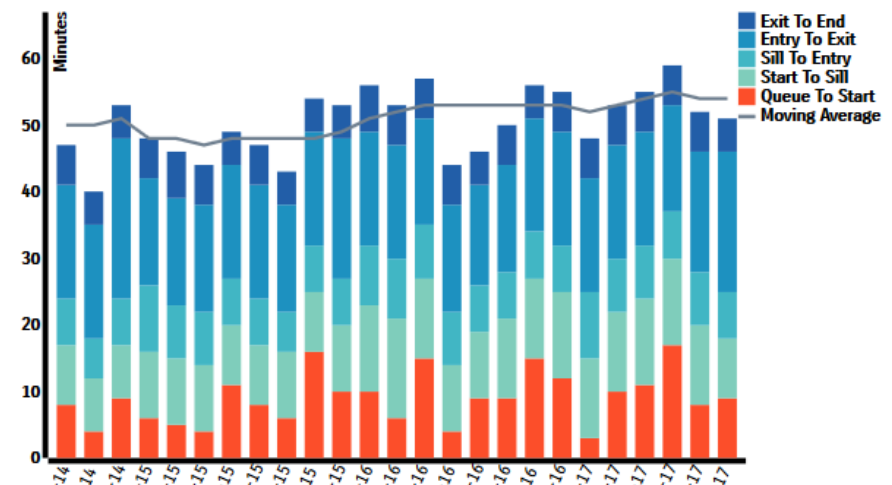
Select Scenario: Lock Queue Lock Status Notice to Nav. Interests Financial



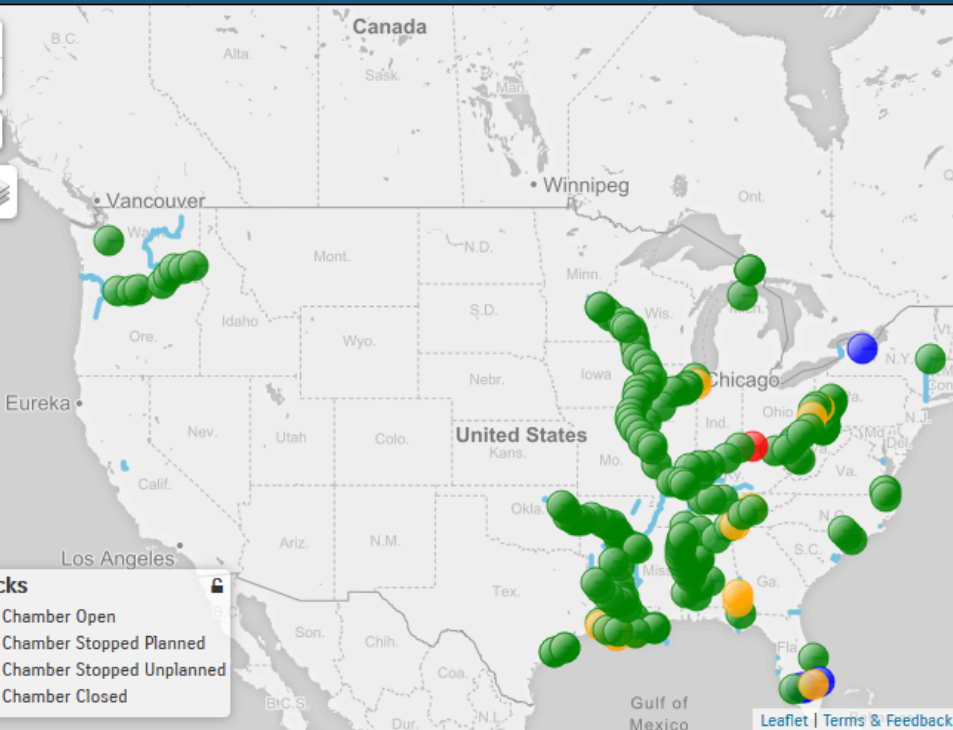
Columbia River > Bonneville Lock And Dam > Select a Chamber: All

Auxiliary-1 Main-2

Performance > Traffic > Traffic Stack



Select Scenario: [Lock Queue](#) [Lock Status](#) [Notice to Nav. Interests](#) [Financial](#)



Columbia River > Bonneville Lock And Dam > Select a Chamber: [All](#)

[Auxiliary-1](#) [Main-2](#)

[Performance](#) > [Stoppages](#) > [Recent Stoppages](#)

Search 

Name	Stoppage Start	Duration	Stoppage End	Reason
Main-2	12/12/2016 06:00	59 Days 5 Hours	02/09/2017 11:00	Maintaining lock or lock equipment
Main-2	03/05/2016 06:00	2 Days 11 Hours	03/07/2016 17:00	Maintaining lock or lock equipment
Main-2	07/02/2015 19:24	1 Hours	07/02/2015 21:15	Lock hardware/equipment malfunction
Main-2	03/07/2015 06:00	12 Days 10	03/19/2015	Maintaining lock or