

# DSM2 Hydro Simulations

61-day time series

259 DSM2 channels

15-minute velocities or flows

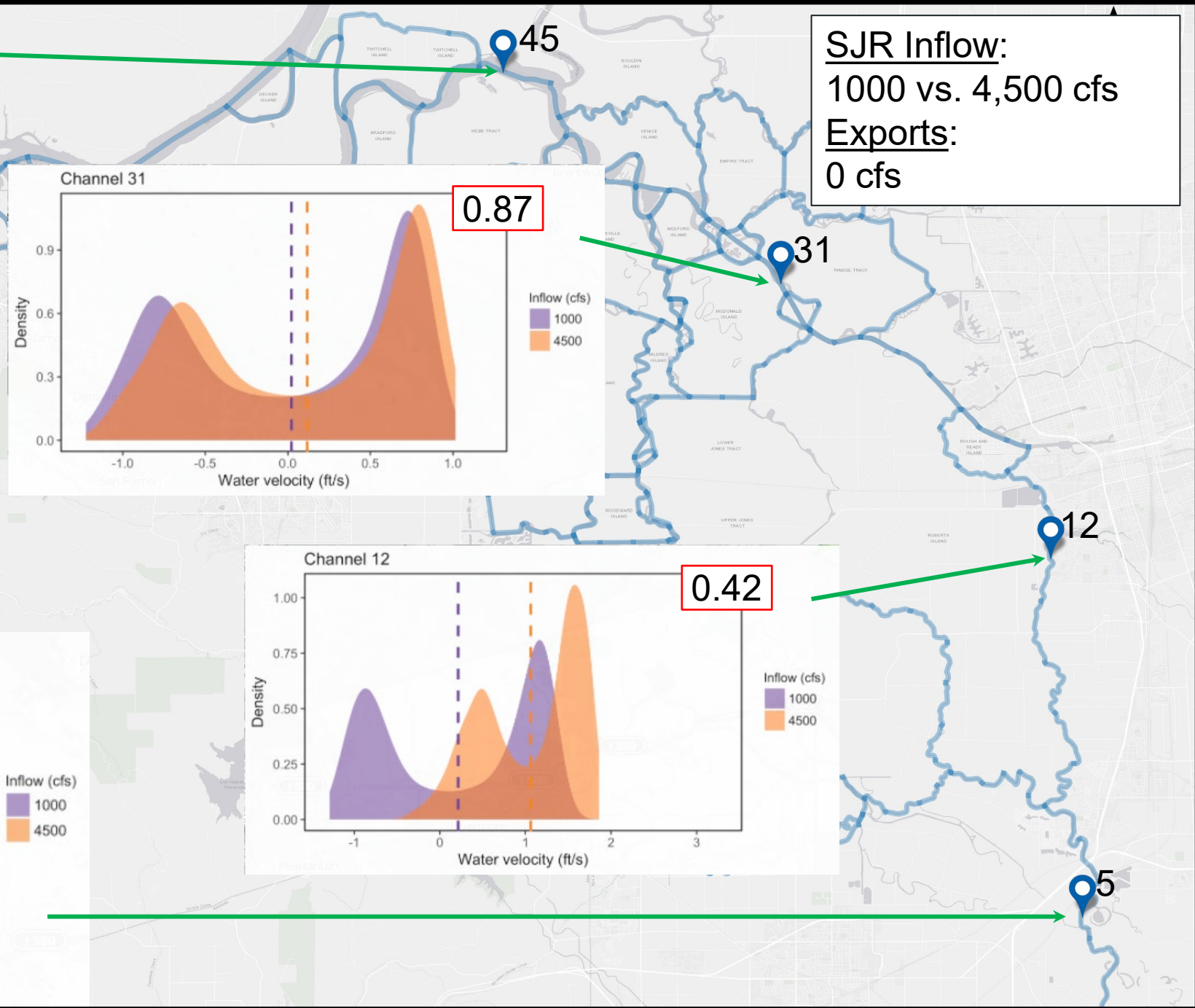
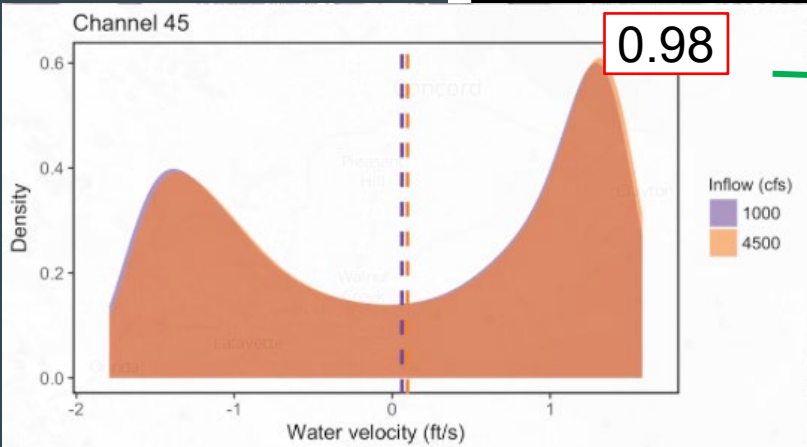
Variety of SJR inflow and export operations

HORB in vs HORB out

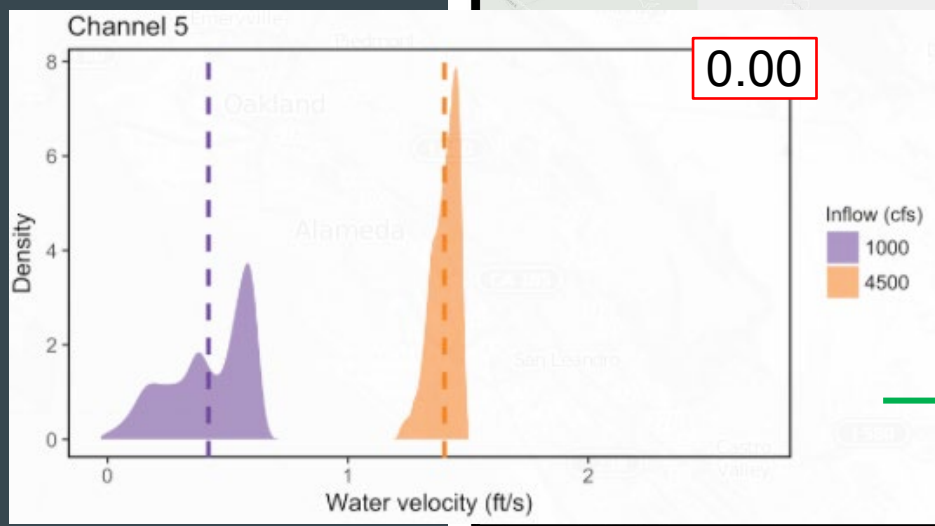
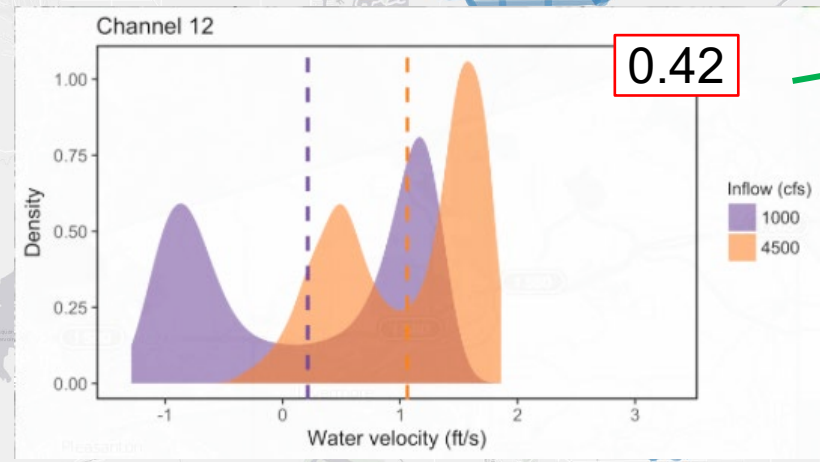
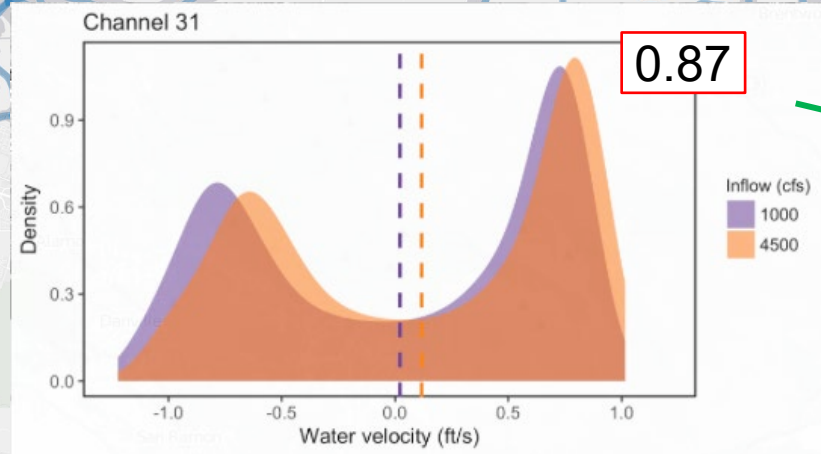
~ Comparing the distribution of velocities at each channel over 63 days for alternative SJR and export operations ~

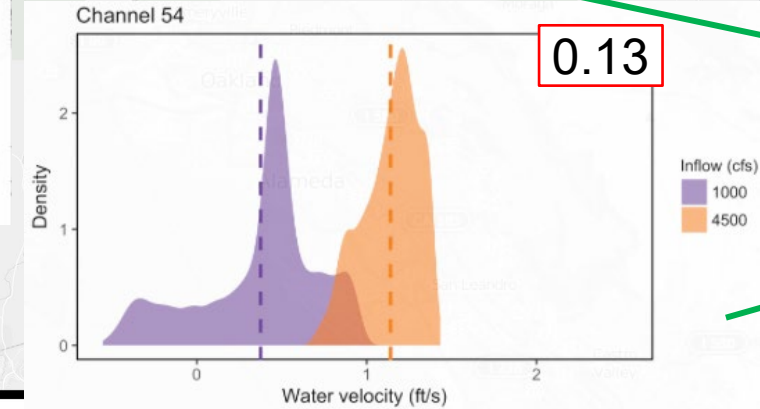
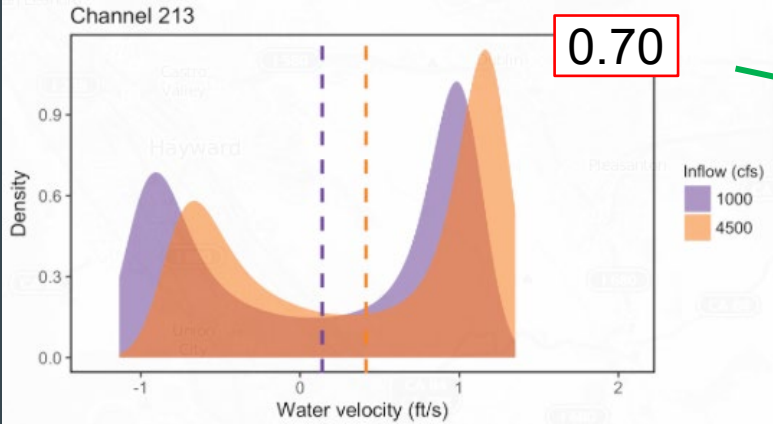
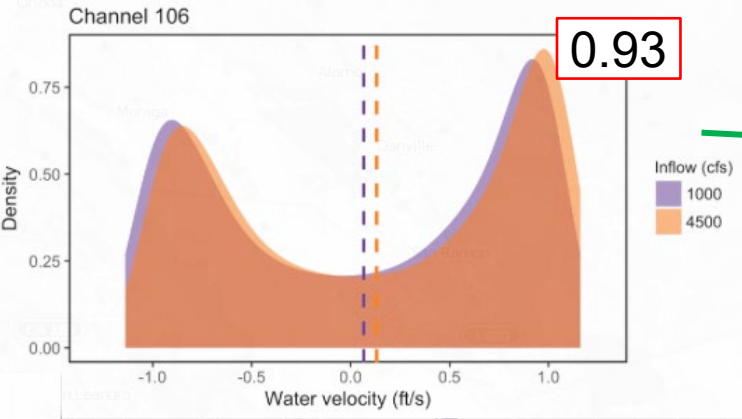
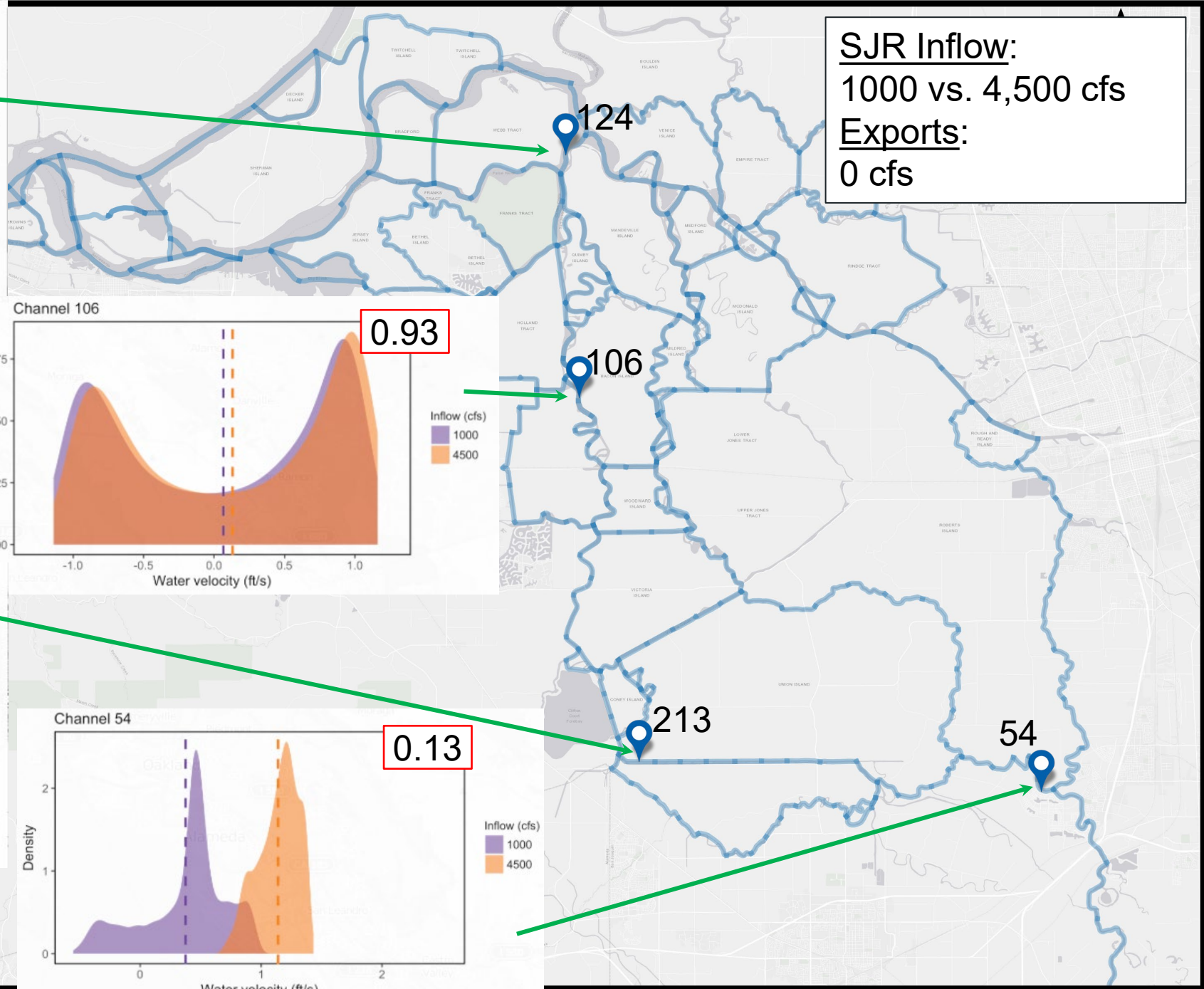
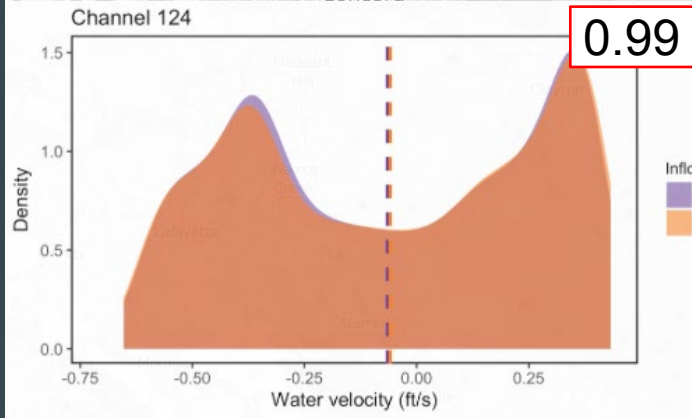
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## **SJR Inflow effects on the distribution of velocities**



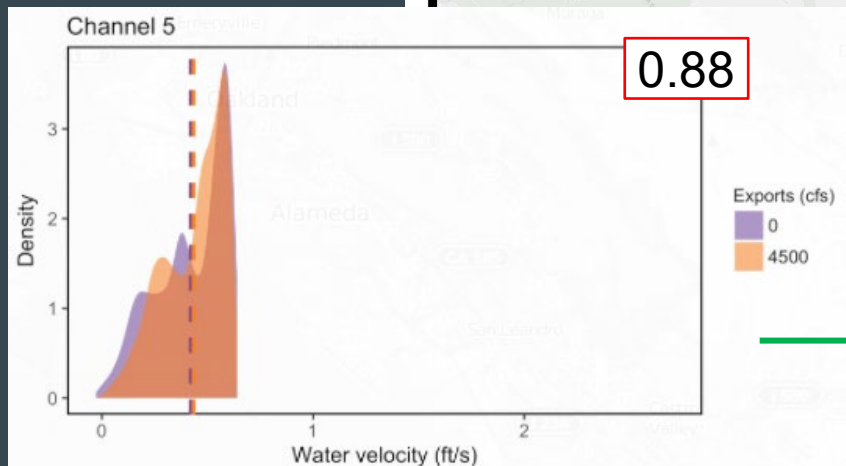
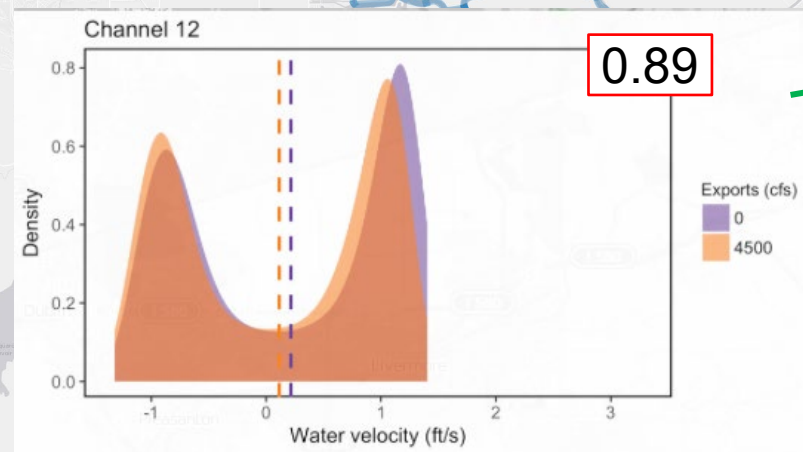
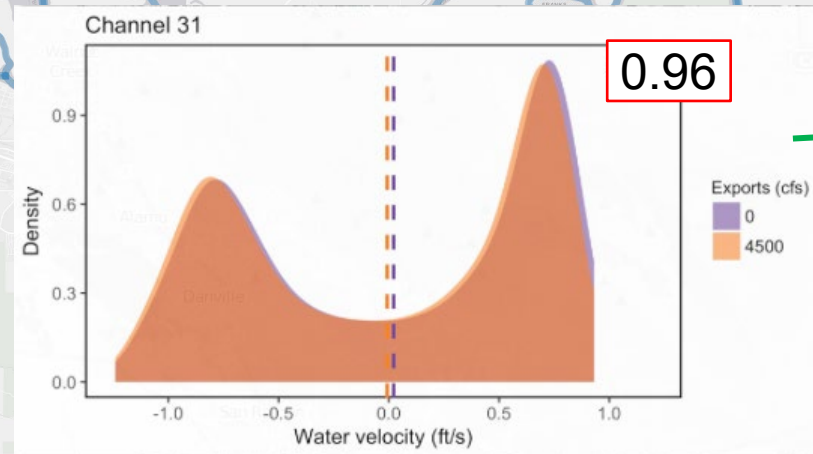
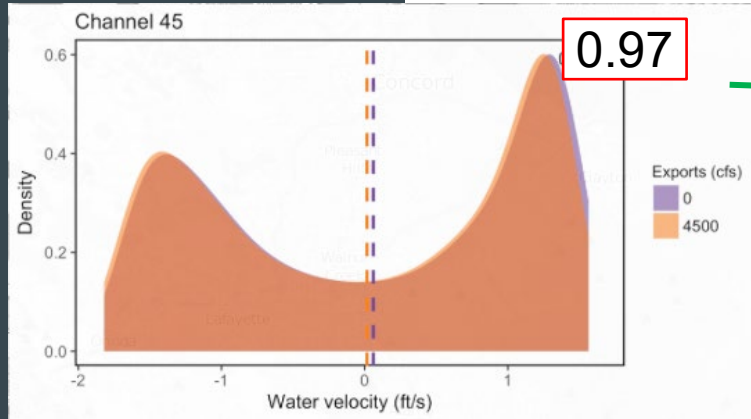
SJR Inflow:  
1000 vs. 4,500 cfs  
Exports:  
0 cfs



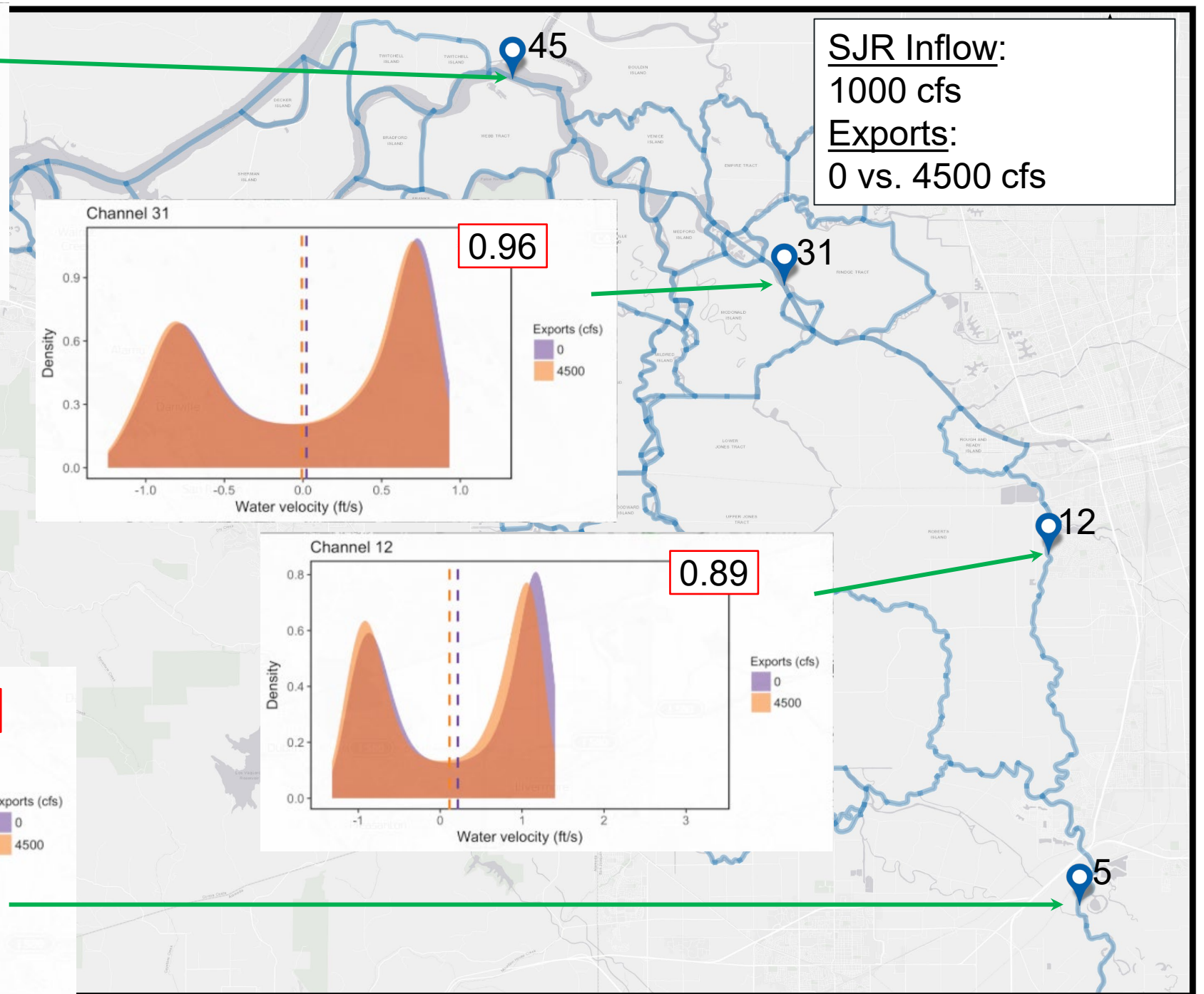


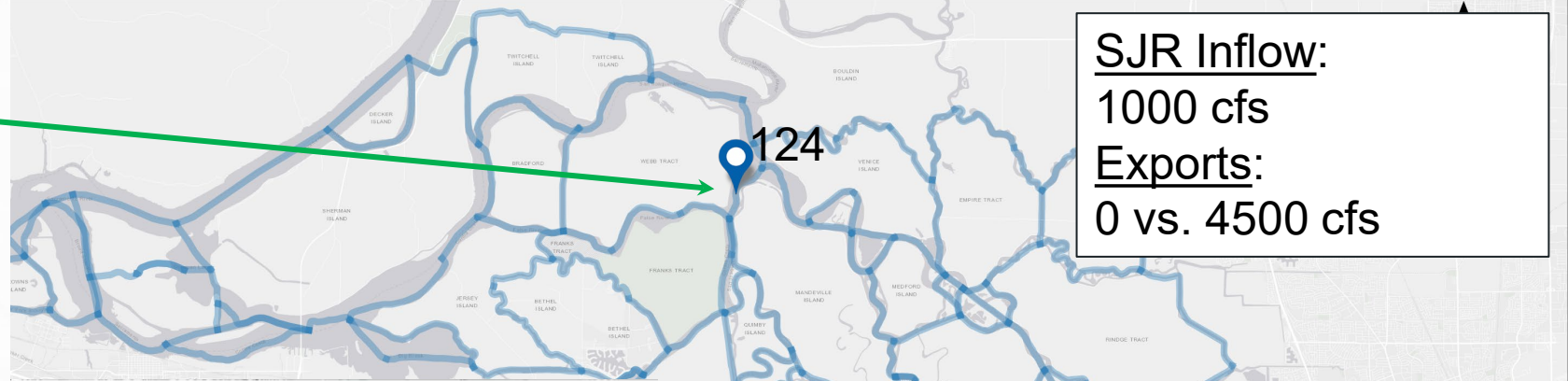
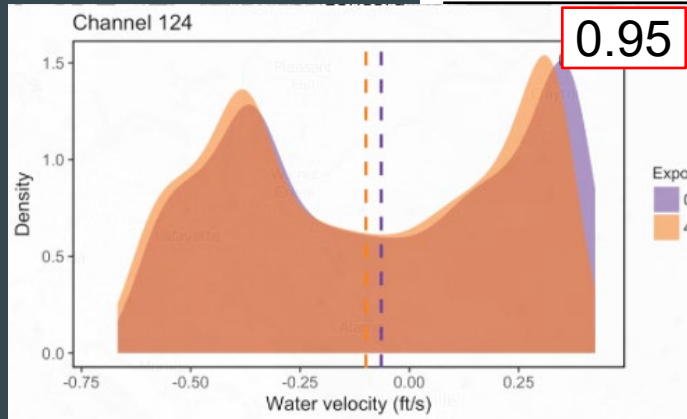
## Export effects on the distribution of velocities



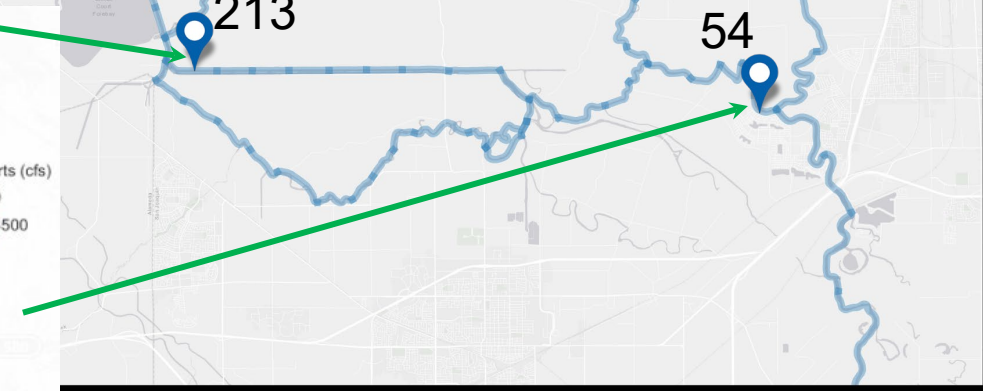
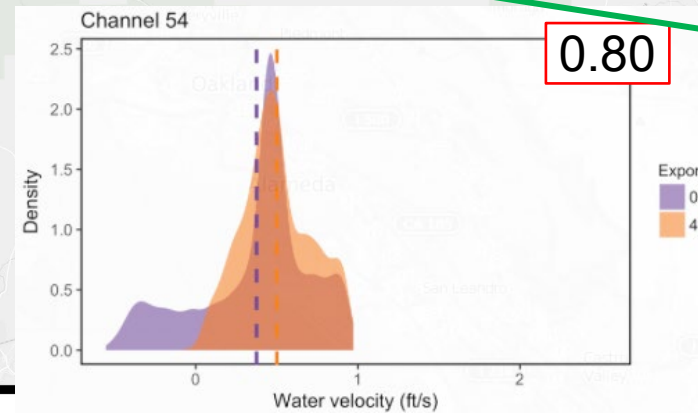
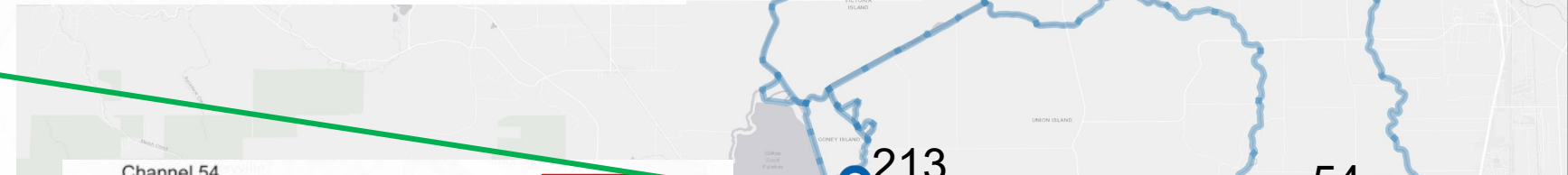
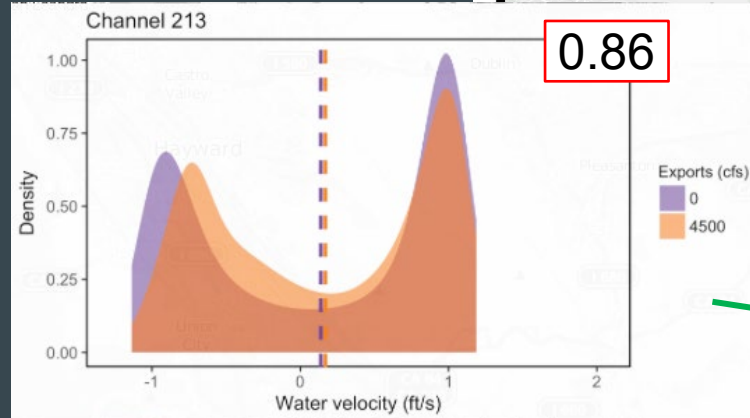
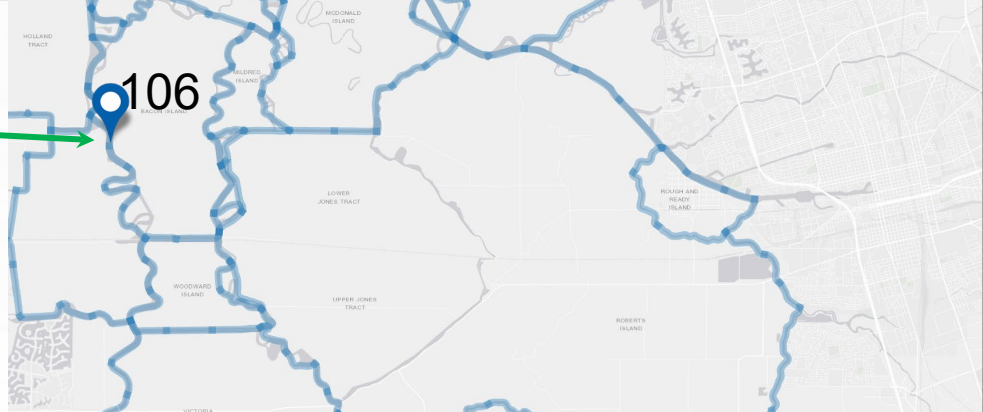
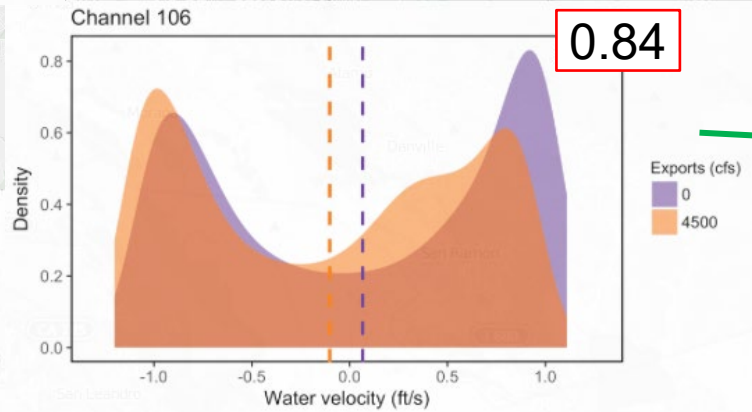


SJR Inflow:  
1000 cfs  
Exports:  
0 vs. 4500 cfs



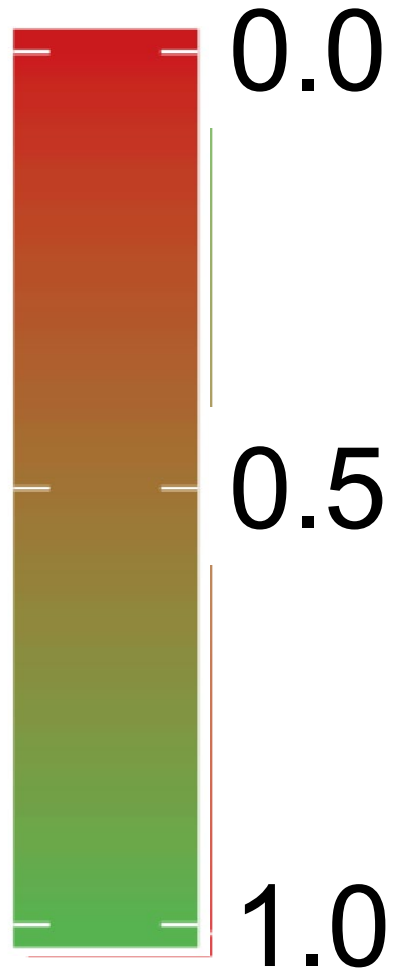


SJR Inflow:  
1000 cfs  
Exports:  
0 vs. 4500 cfs



0 1 2 3 mi

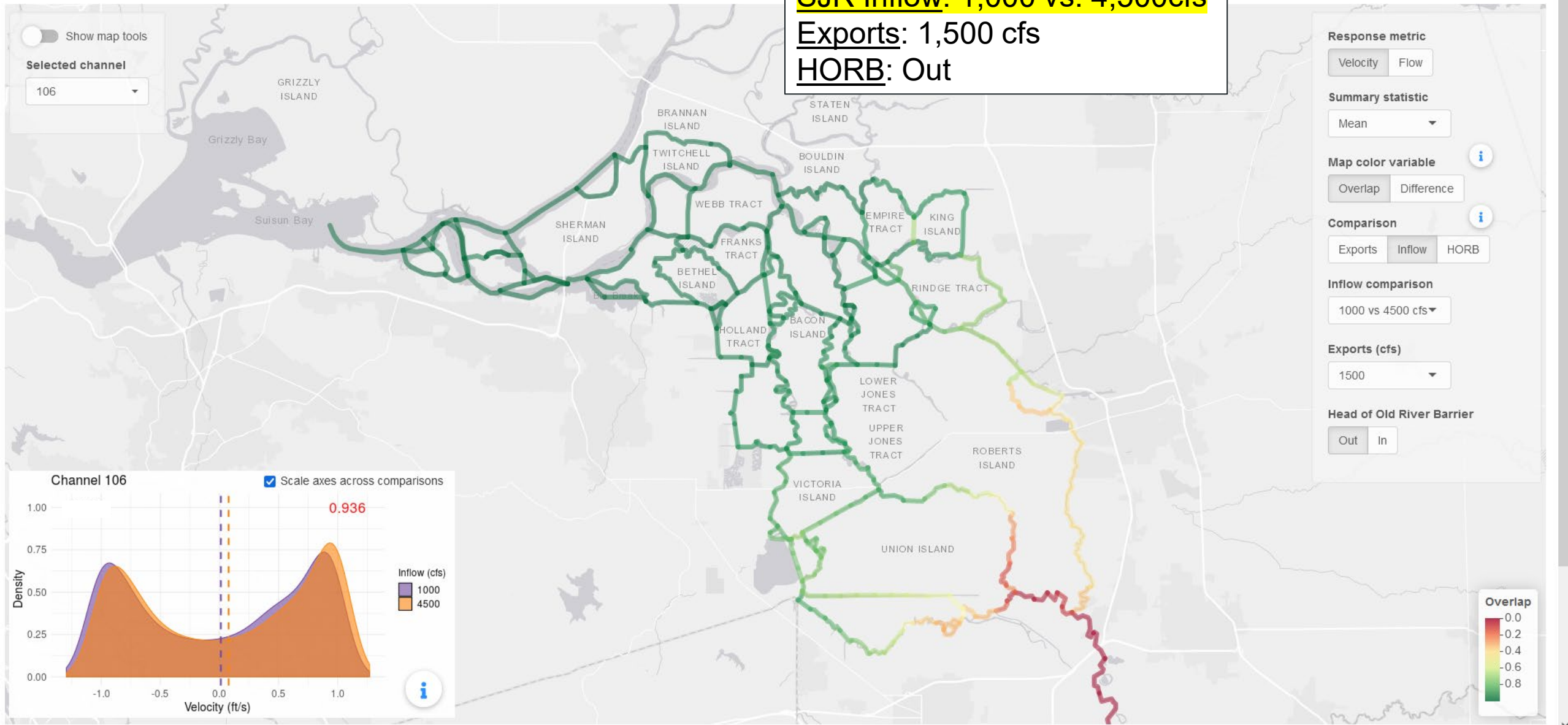
# Proportion Overlap



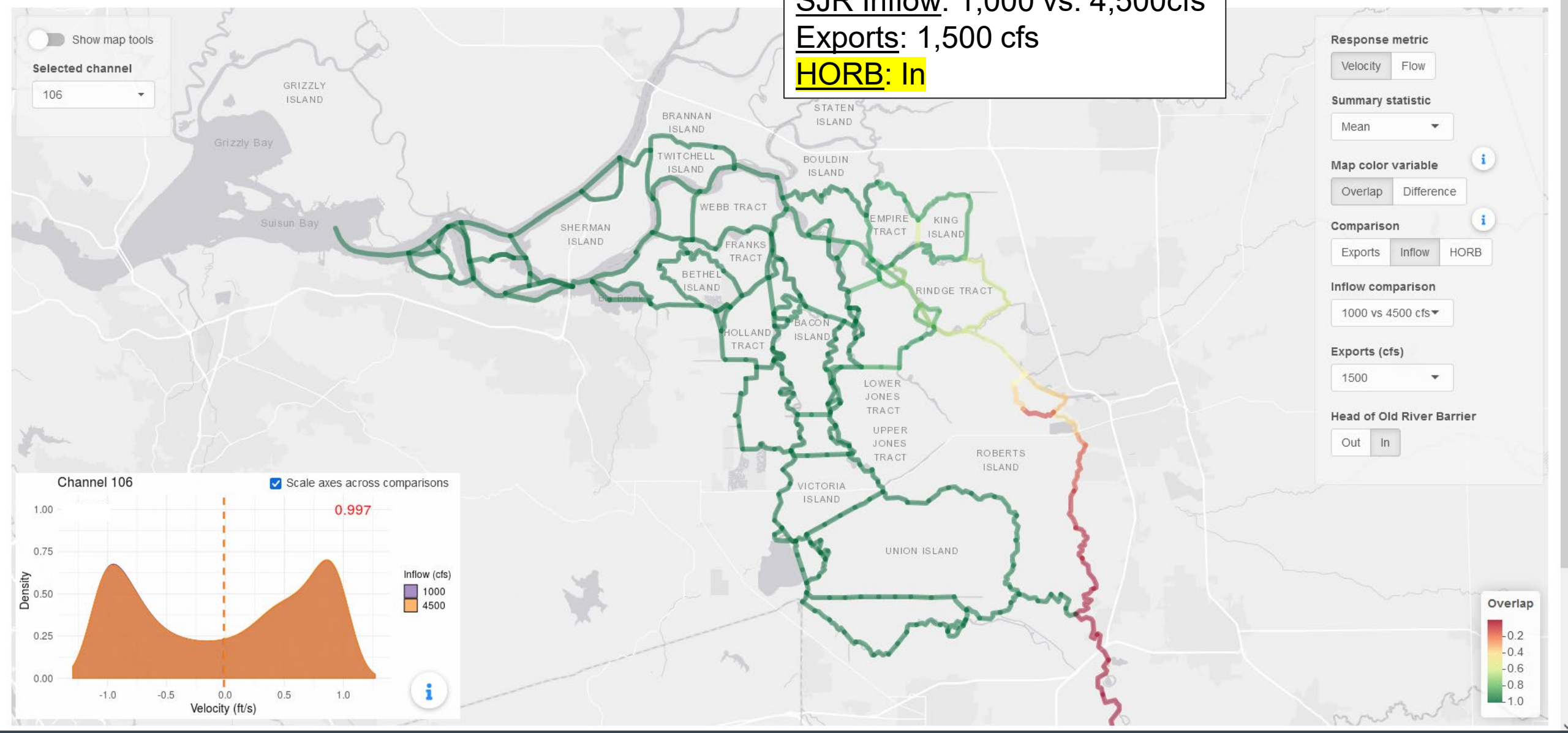


**SJR inflow effects on velocity  
change**

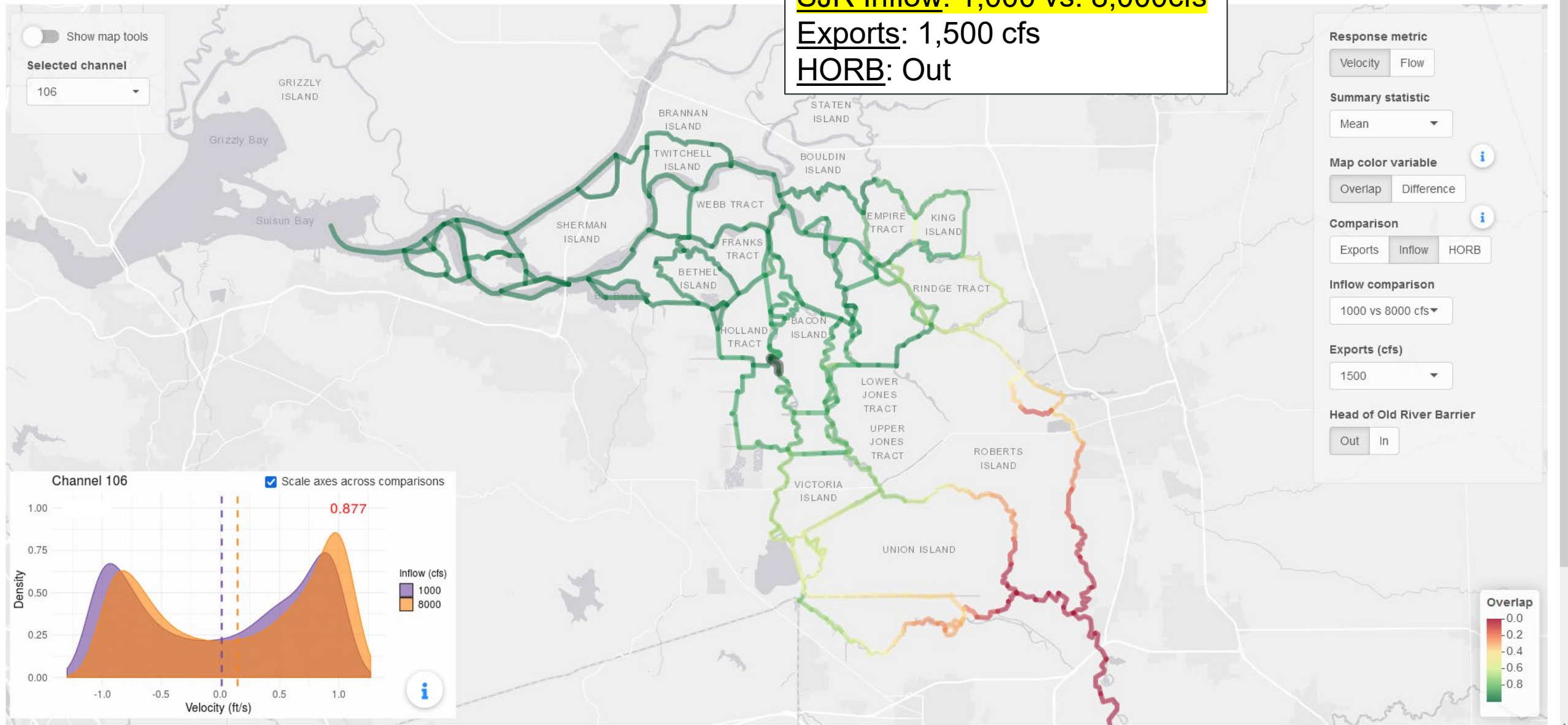
**SJR Inflow: 1,000 vs. 4,500cfs**  
**Exports: 1,500 cfs**  
**HORB: Out**



SJR Inflow: 1,000 vs. 4,500cfs  
Exports: 1,500 cfs  
HORB: In



**SJR Inflow: 1,000 vs. 8,000cfs**  
**Exports: 1,500 cfs**  
**HORB: Out**



**Export effects on velocity change**





SJR Inflow: 1,000 cfs  
Exports: 0 vs. 7,500 cfs  
HORB: Out

