

The Presence and Relative Abundance of Delta Smelt in the Sacramento Deep Water Shipping Channel

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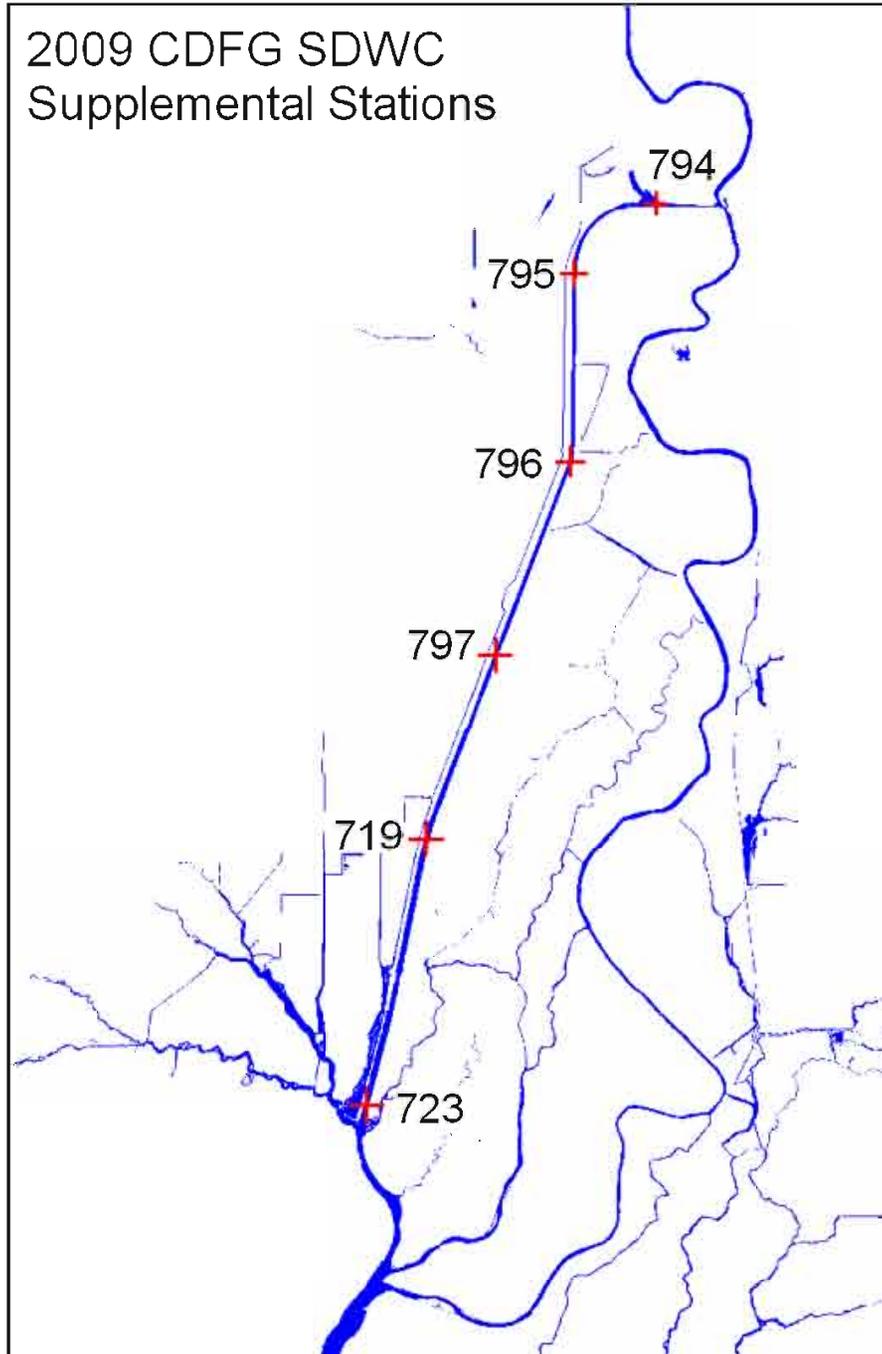
Interagency Ecological Program
2010 Annual Workshop
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Two Questions

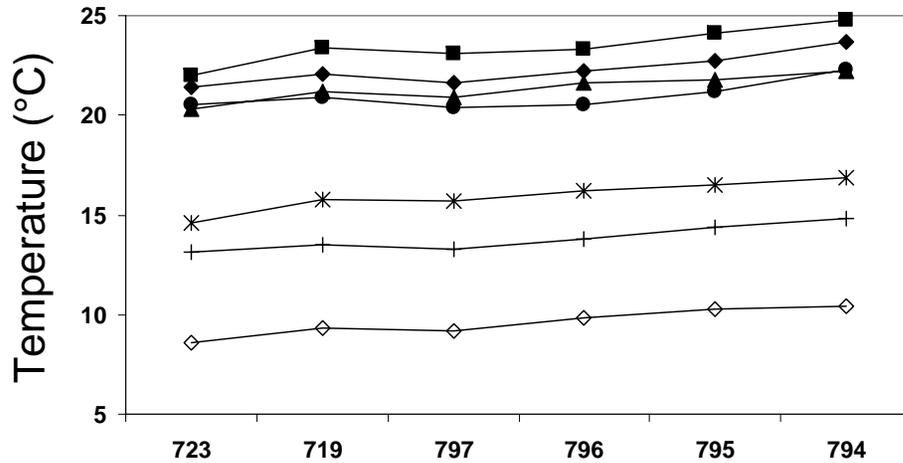
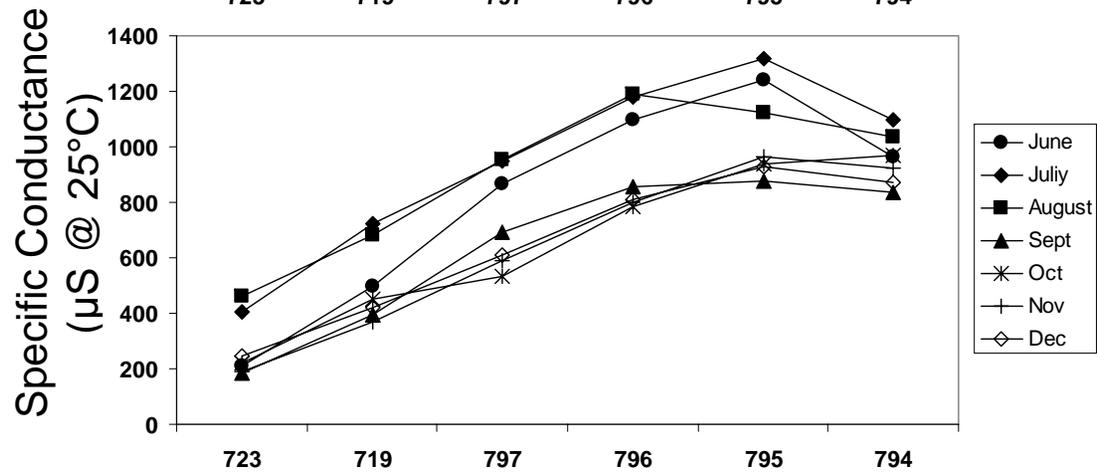
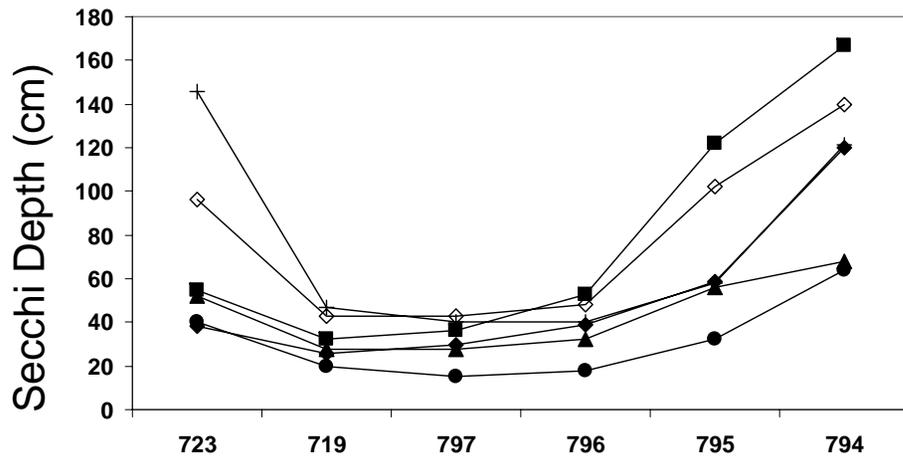
- Do delta smelt use the Sacramento Deep Water Channel (SDWC) during the Summer and Fall?
- To what extent are they using it during the Summer and Fall?

2009 CDFG SDWC
Supplemental Stations

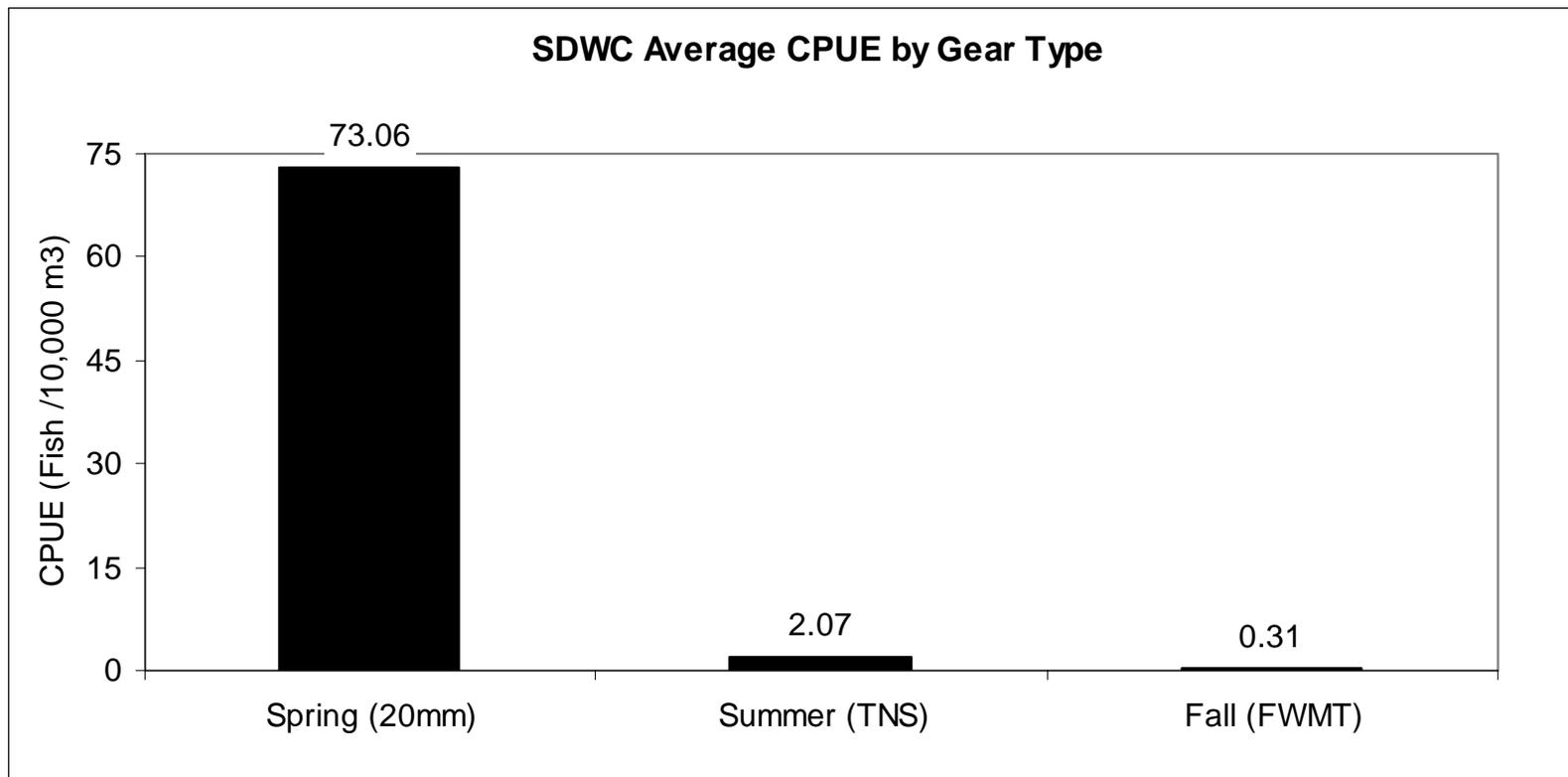


Methods

- Sample the entire length of the SDWC
- Piggy-backed on CDFG Surveys
 - Spring: 20mm Survey (post-larval)
 - Summer: Townet Survey (juvenile)
 - Fall: Fall Mid-Water Trawl (sub-adult)
 - Followed existing Survey protocols
- Sample monthly from June to December

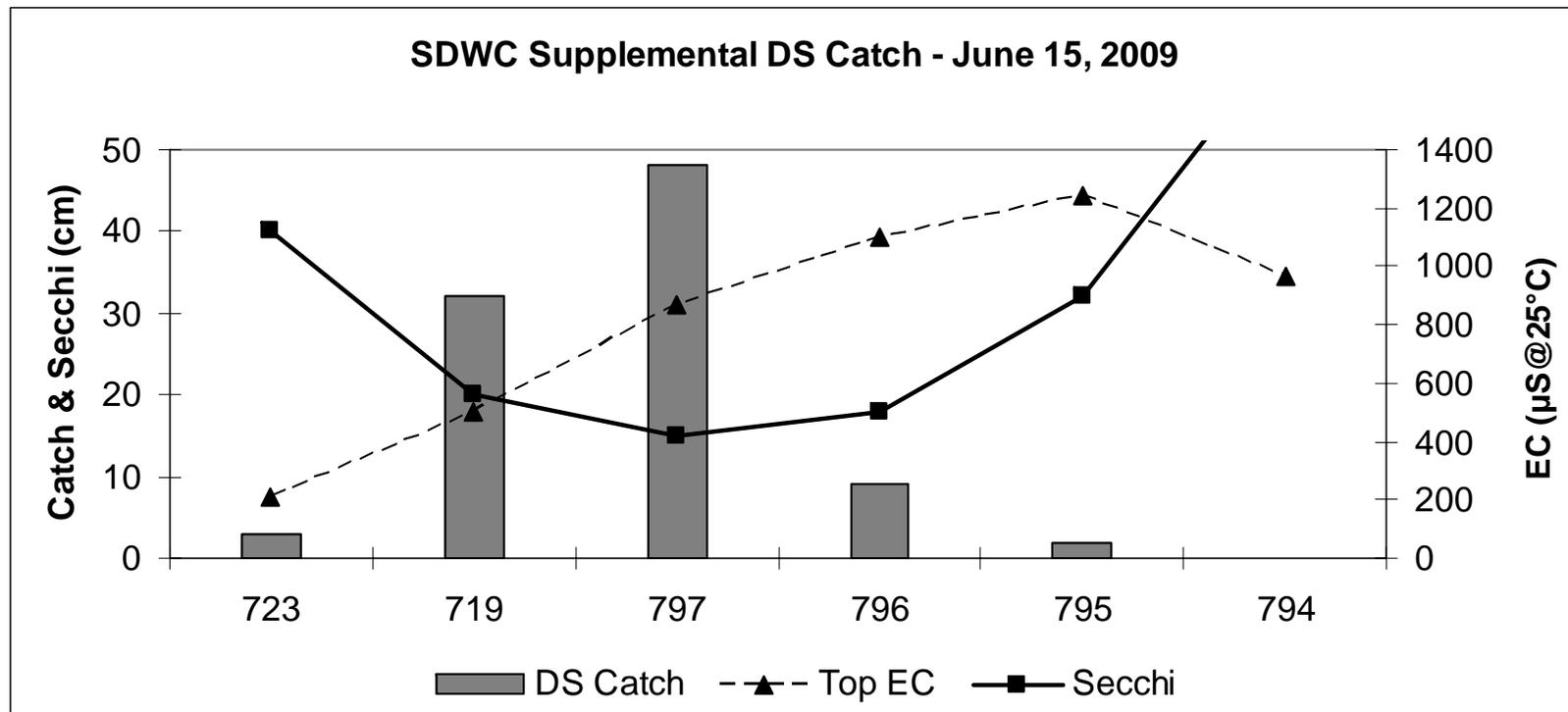


Catch Results



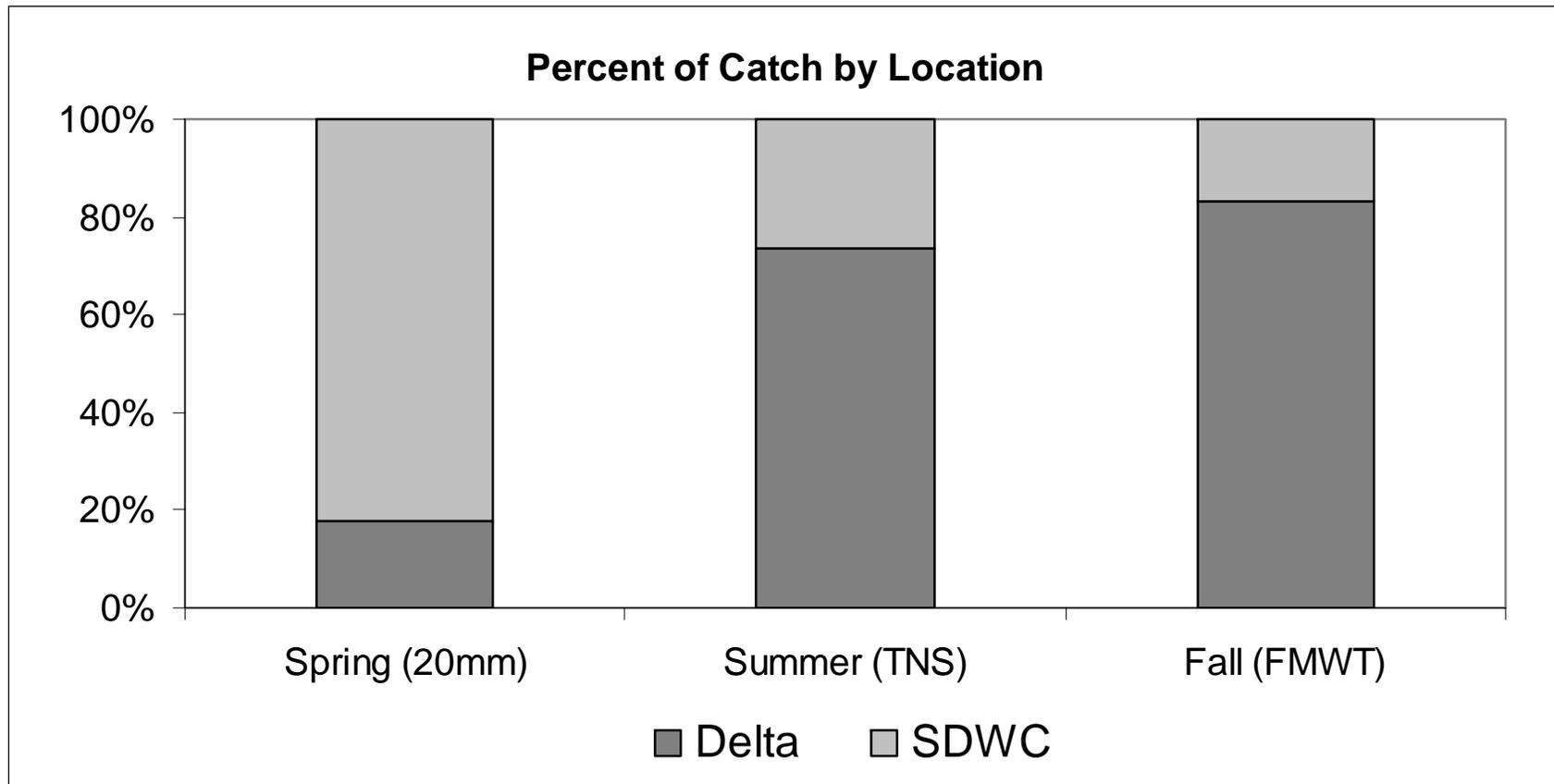
Catch Results

- Increased Smelt Catch
 - Lower Secchi Depths & Elevated EC's



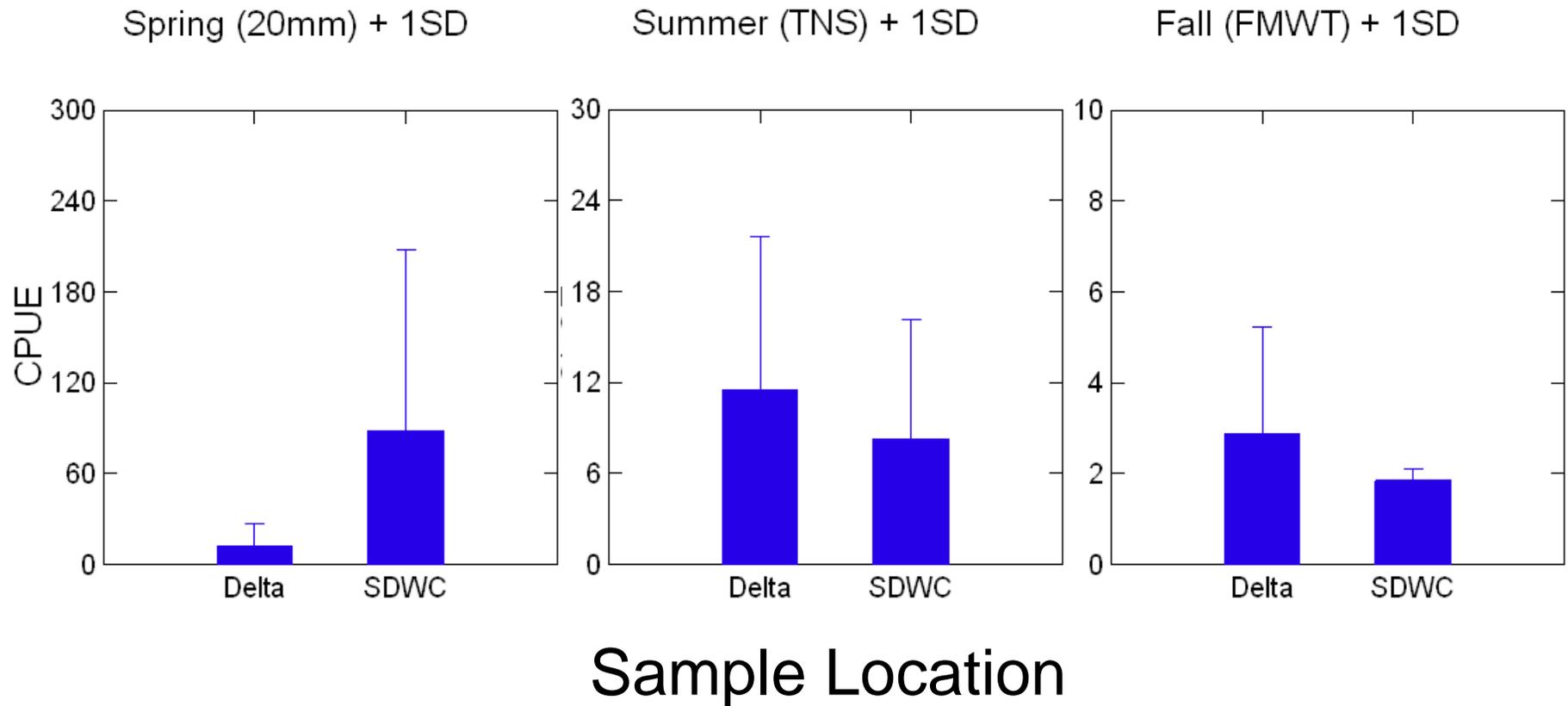
Discussion

- Delta – SDWC Comparison



Discussion

- Delta – SDWC Density Comparison



Conclusions:

- Two Questions:

- Do delta smelt use the Sacramento Deep Water Channel (SDWC) during the Summer and Fall?

YES!

- To what extent are they using it during the Summer and Fall?

To the same extent as the rest of the entire Estuary

Acknowledgements:

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