

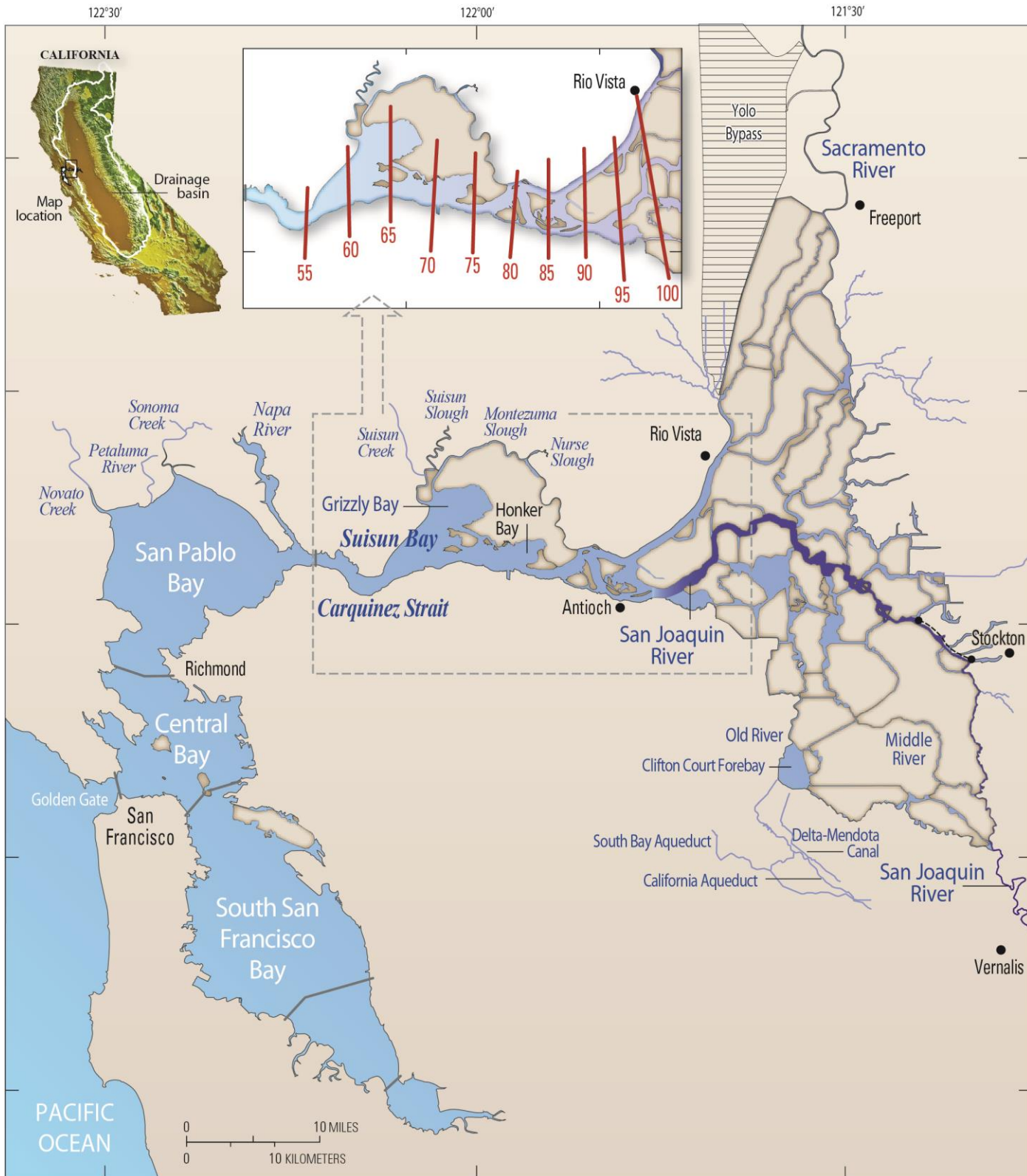
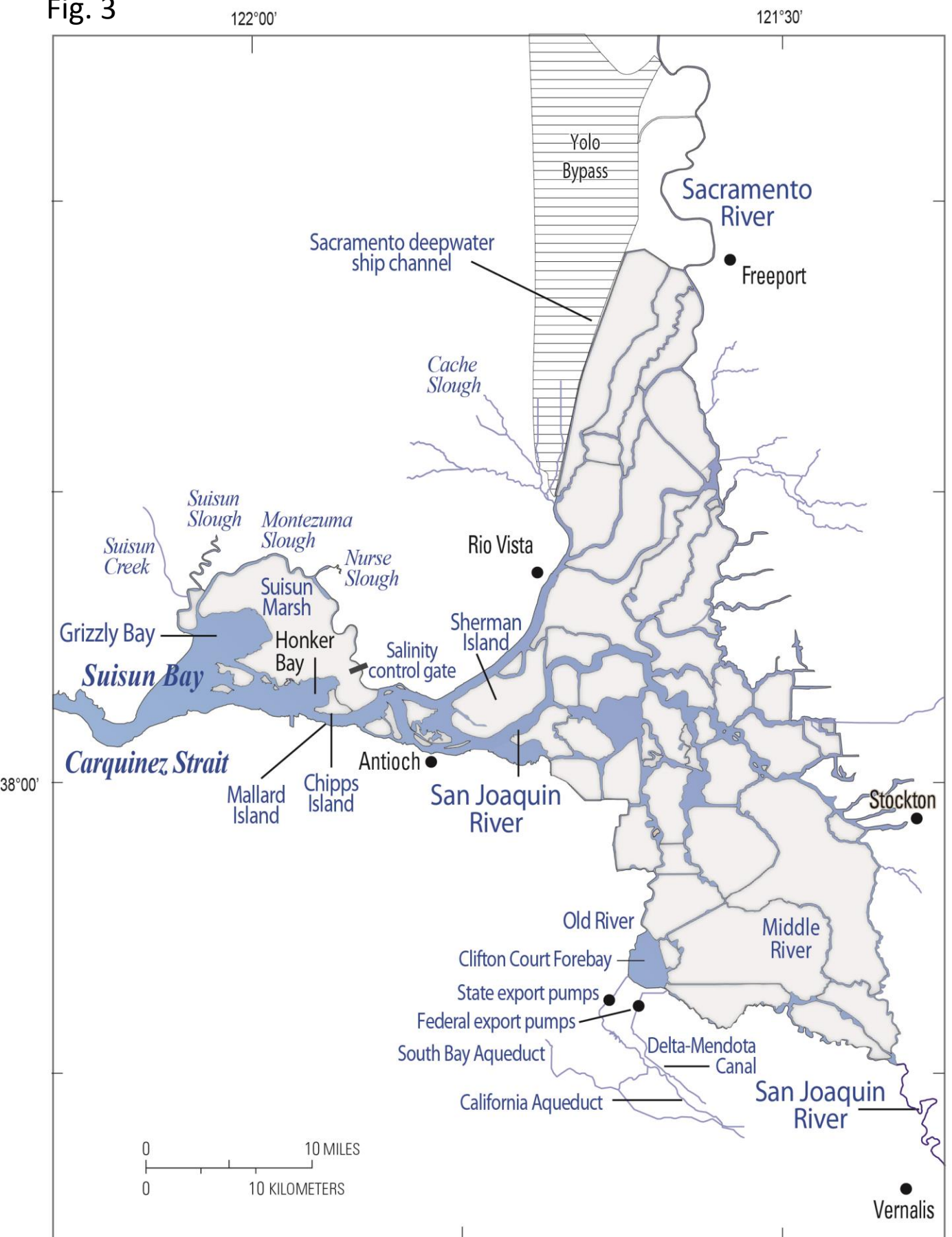
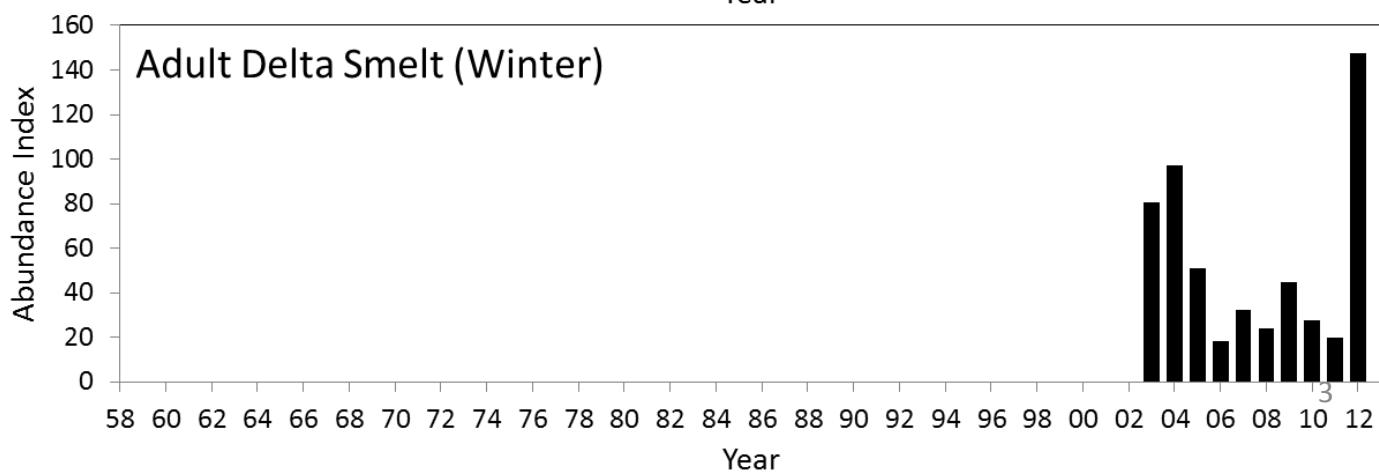
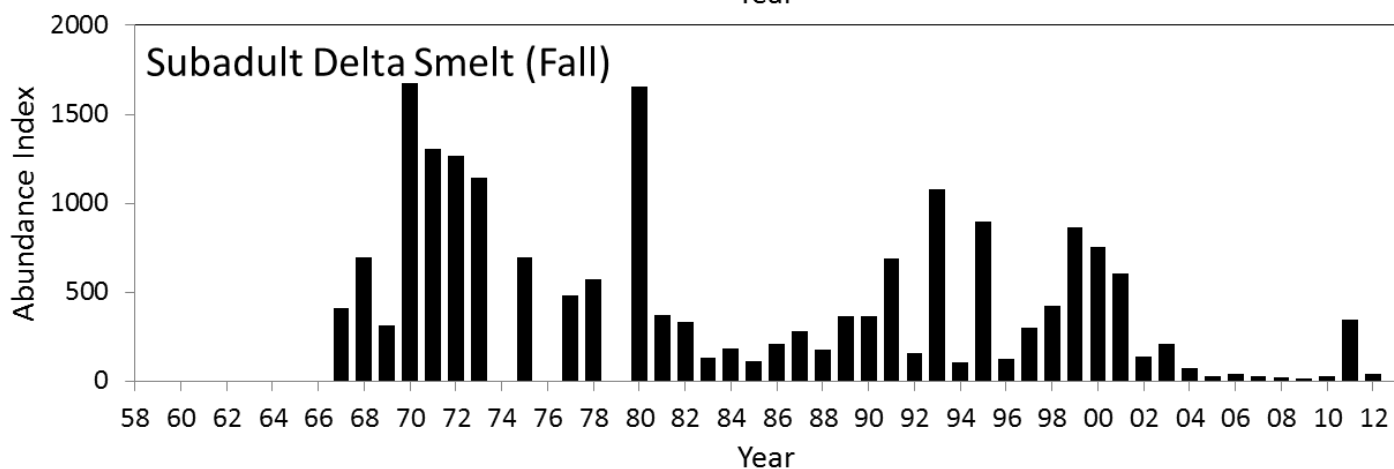
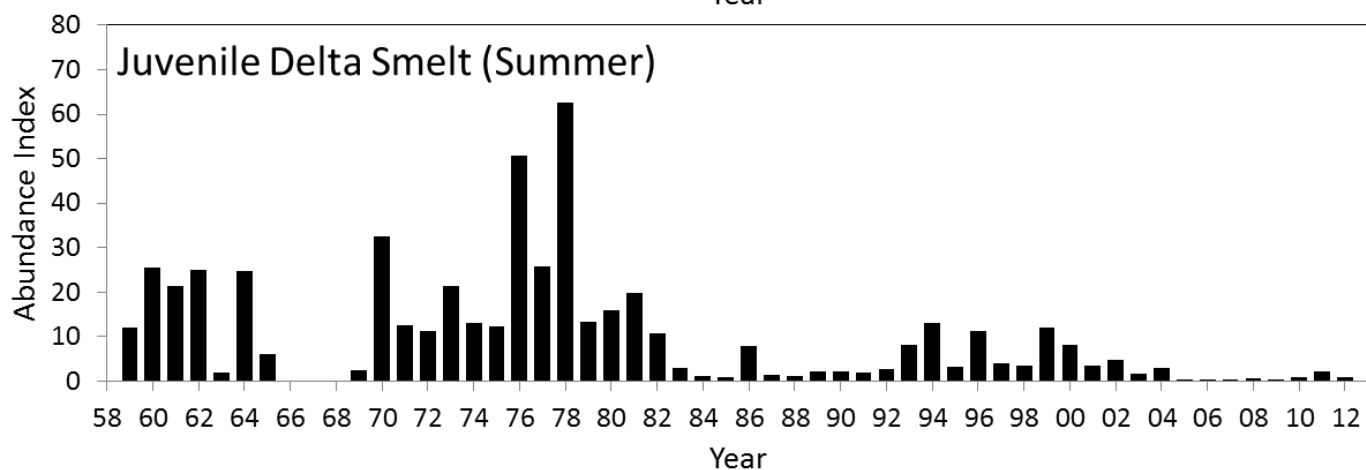
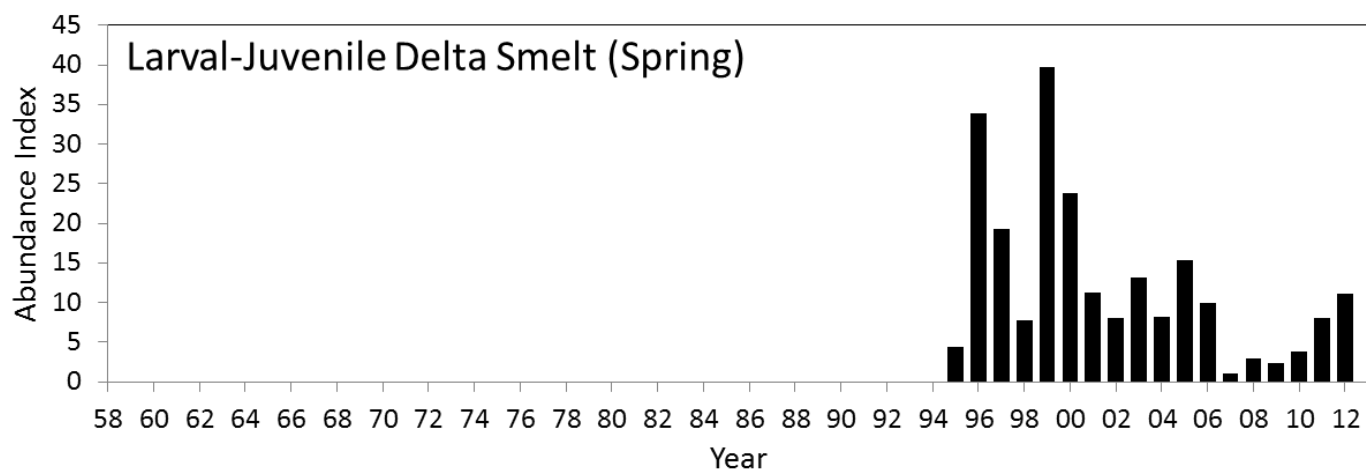


Fig. 3





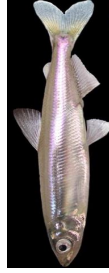
Winter

Upstream migration
after first flush



Fall

Maturation in low
salinity zone



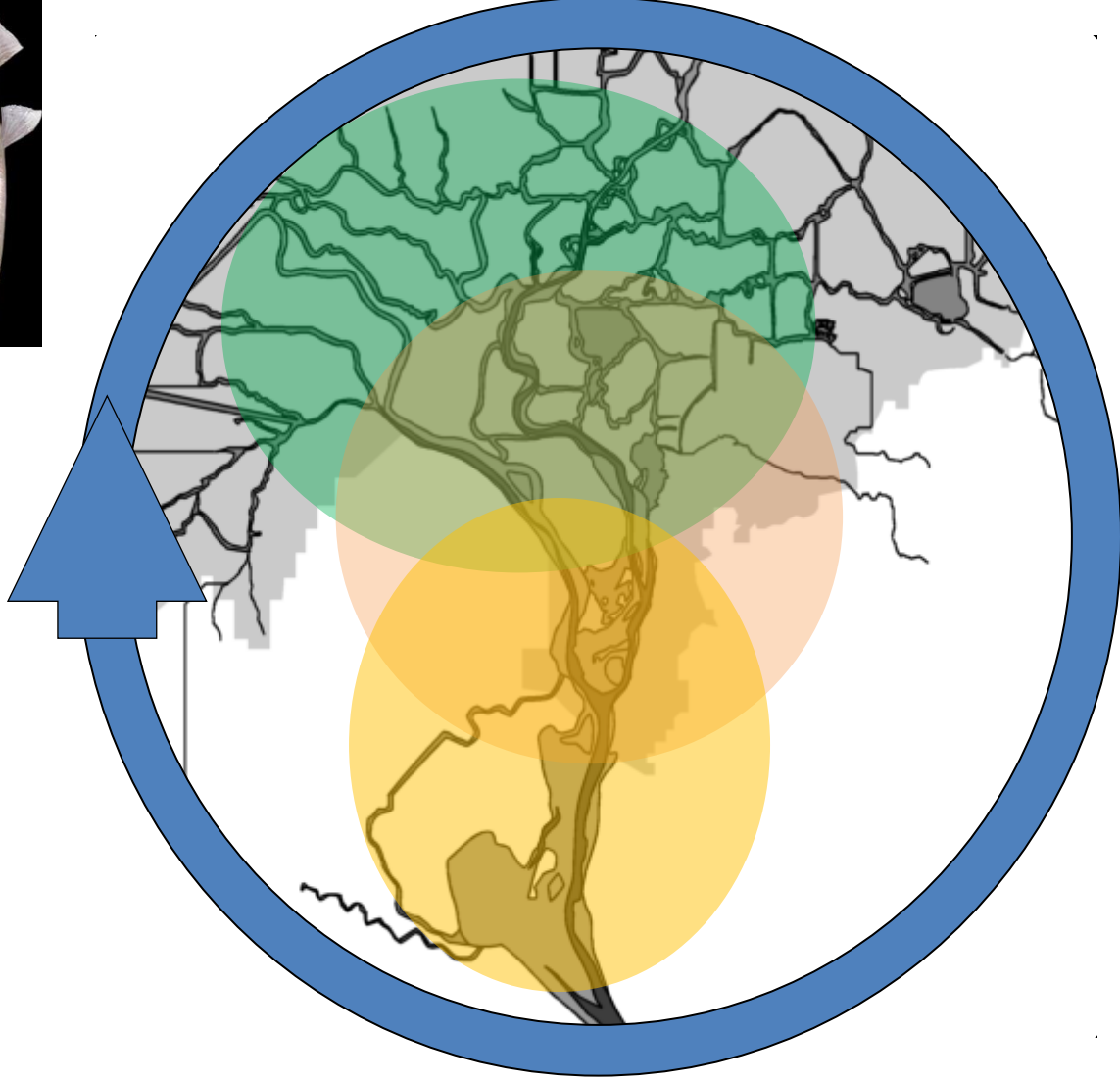
Spring

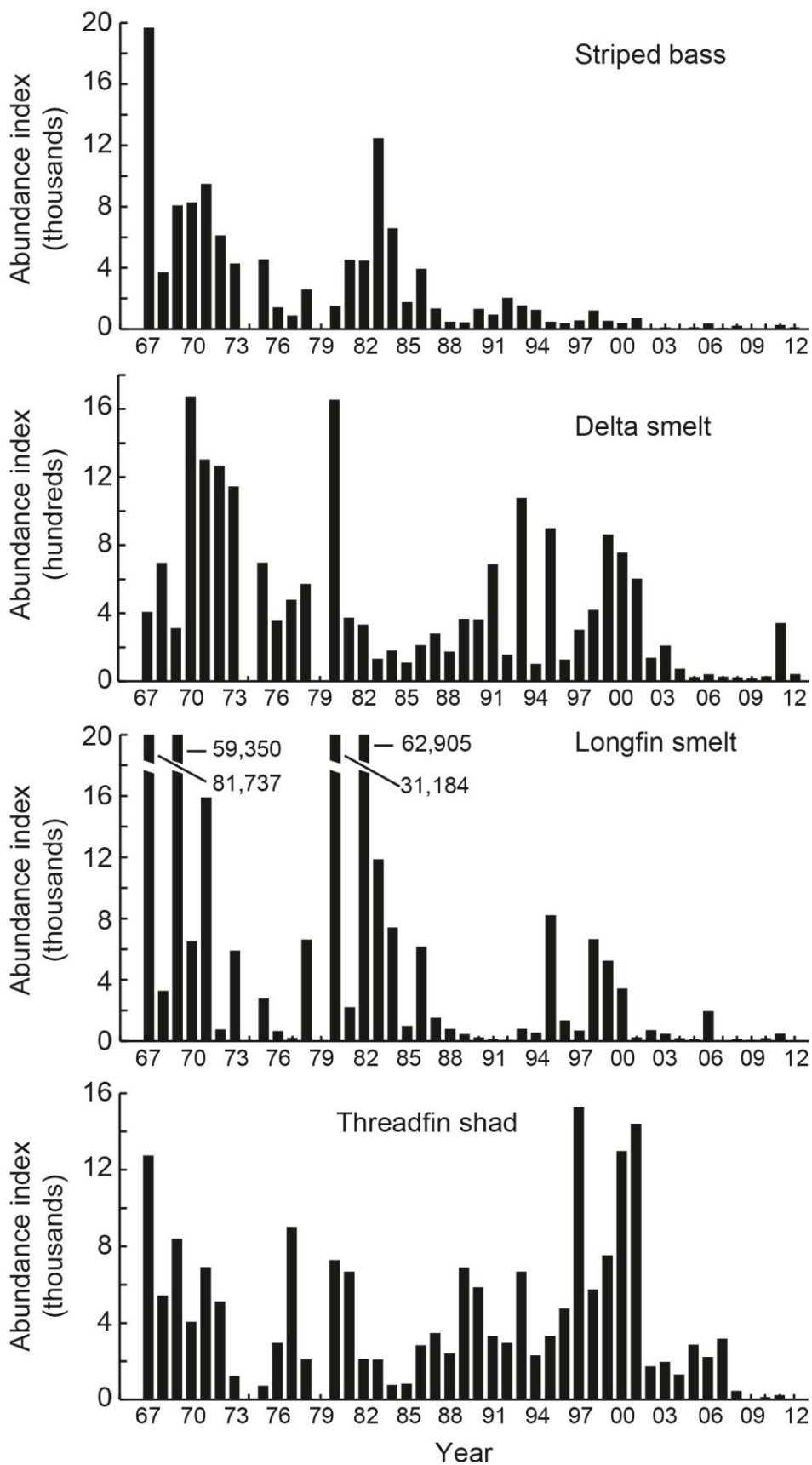
Spawning in
fresh water

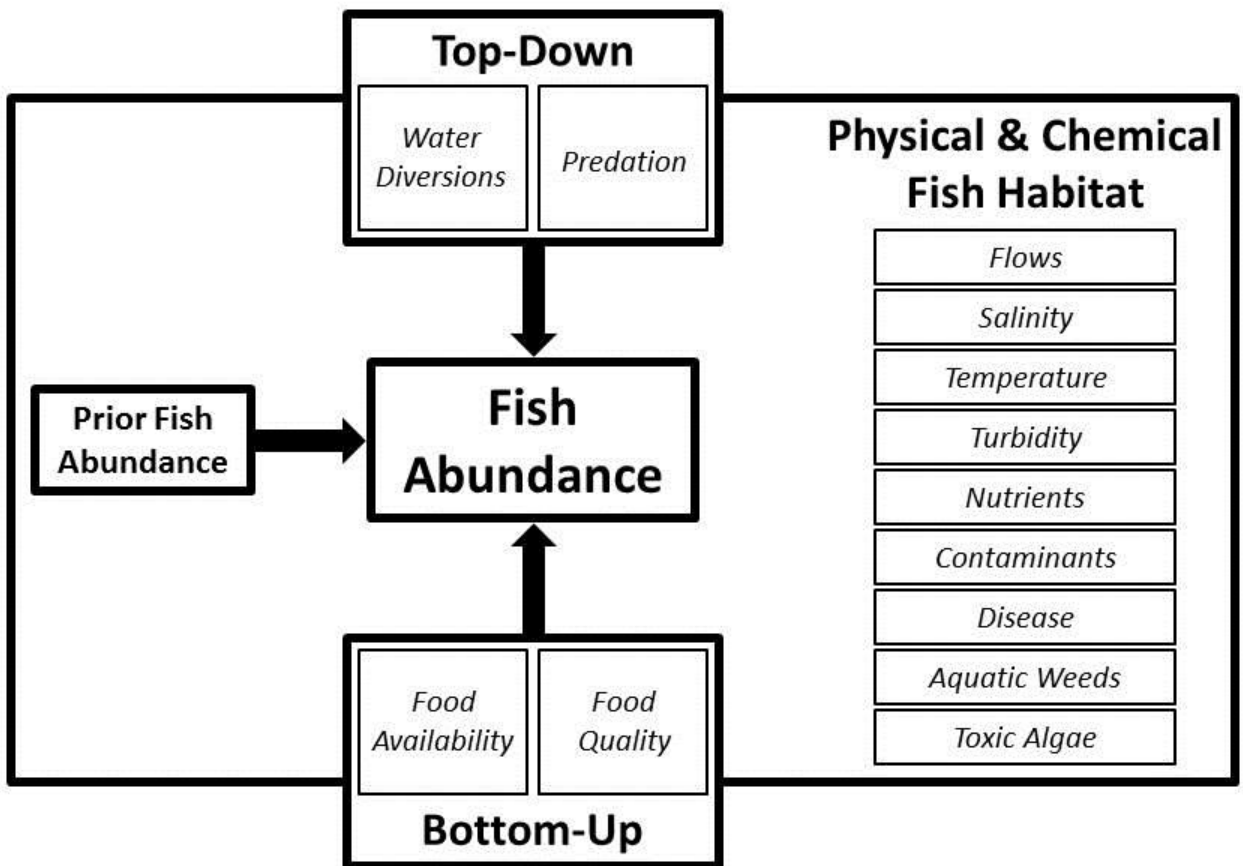


Summer

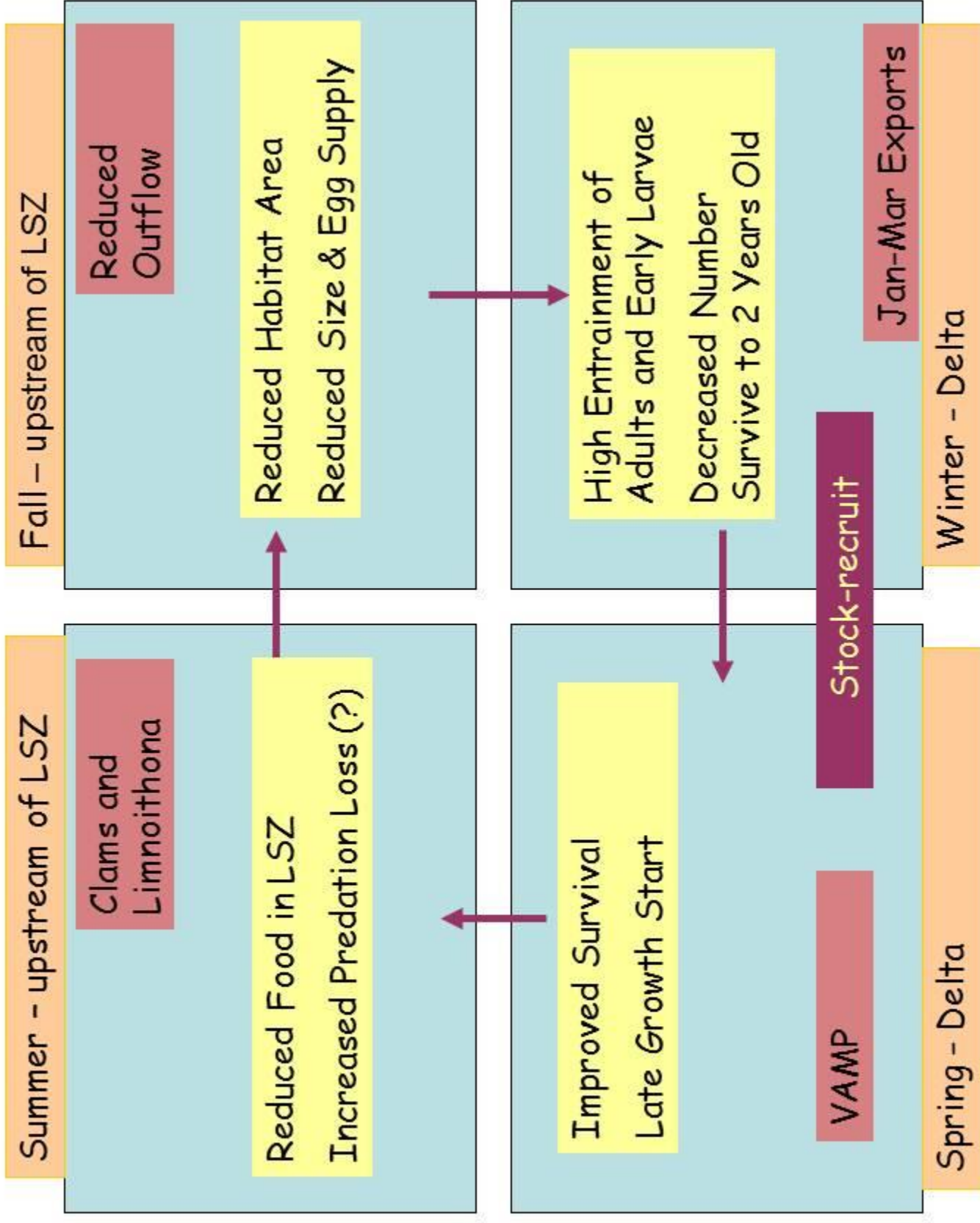
Migration to and rearing in
low salinity zone

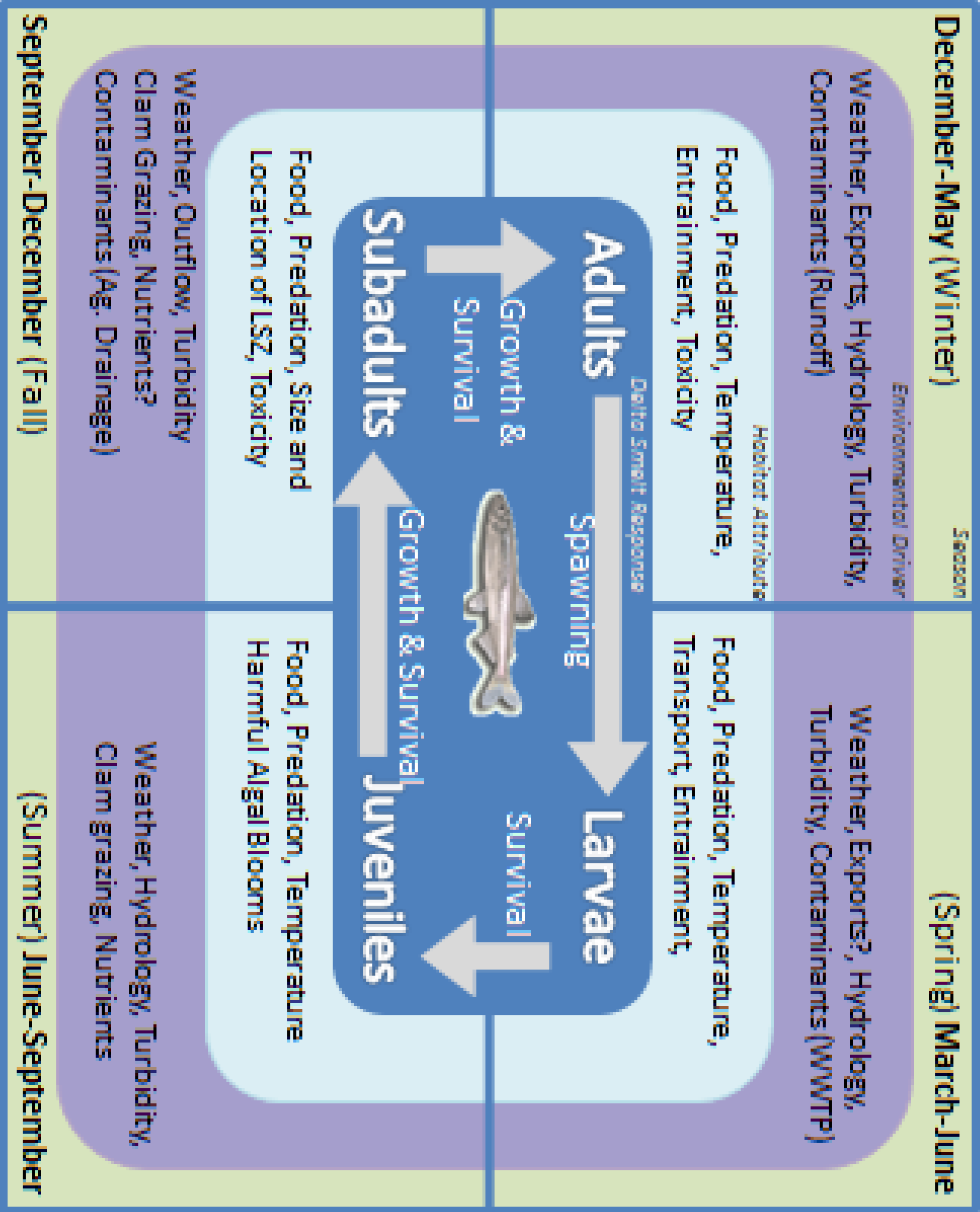






DELTA SMELT





December-May (Winter)

Adults

Transition Probability

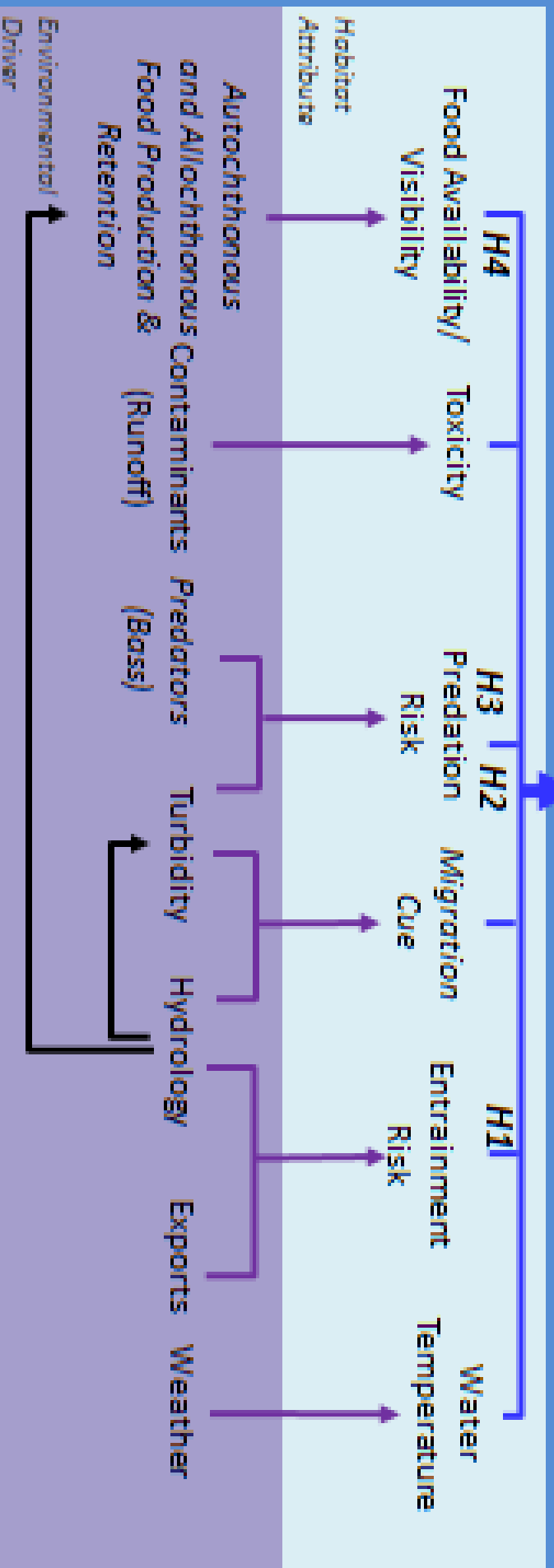
Learn More

Survival, Maturation, Fecundity

(Number, Size, Distribution)

Datto Smart Response

(Number of eggs & spawns/female), and **Spawning**



March-June (Spring)

Eggs & Larvae

H1a

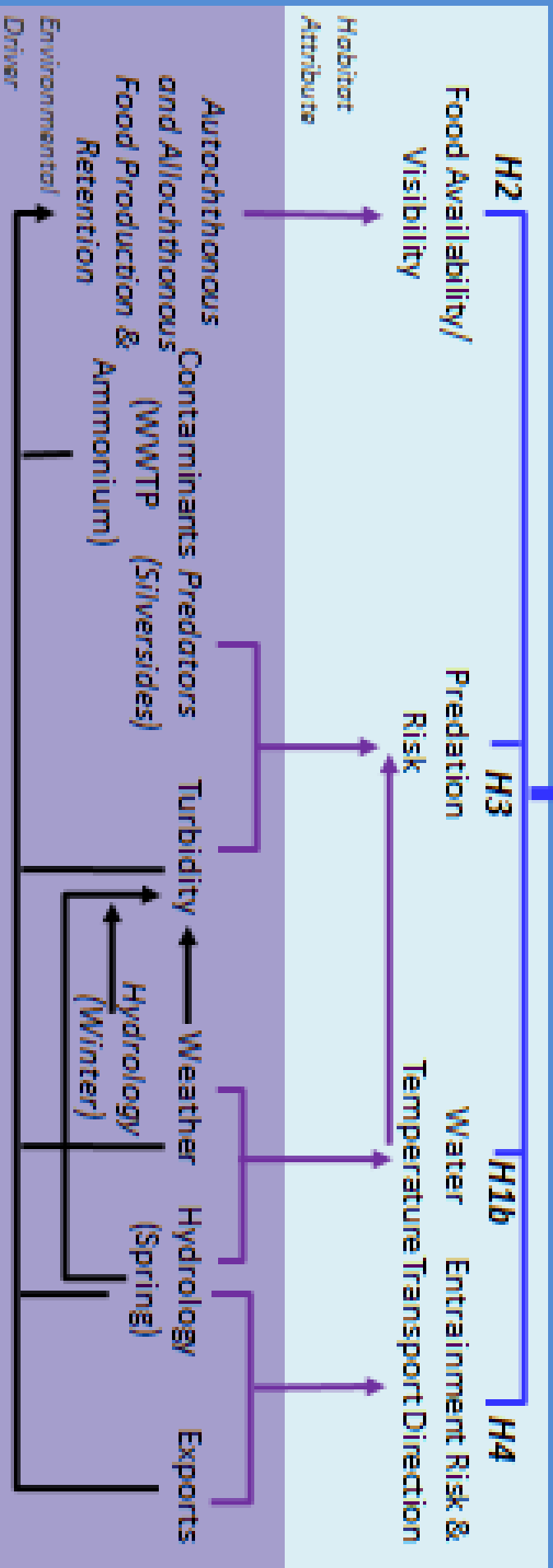
Transition Probability

Juveniles

(Number, Size, Distribution)

Feeding Success, Growth, and **Survival**

Delta Smelt
Response



June-September (Summer)

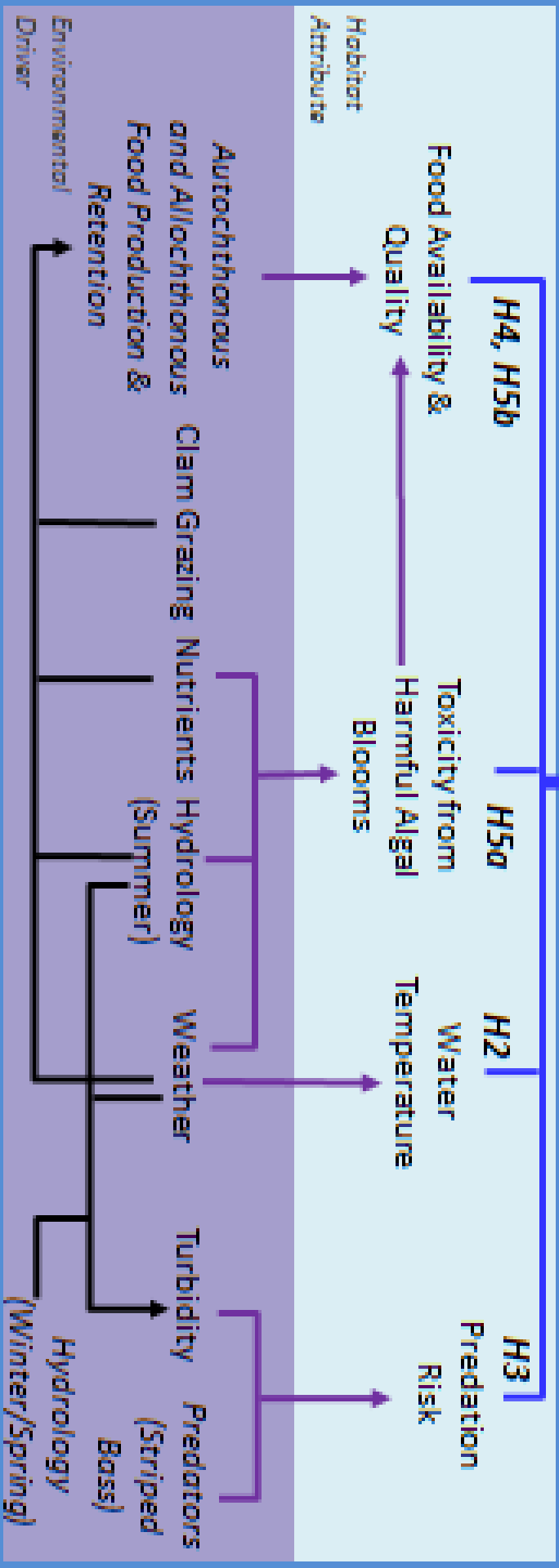


Juveniles

Subadults
(Number, Size, Distribution)

Delta Smelt Response

Growth & Survival



Subadults

H1

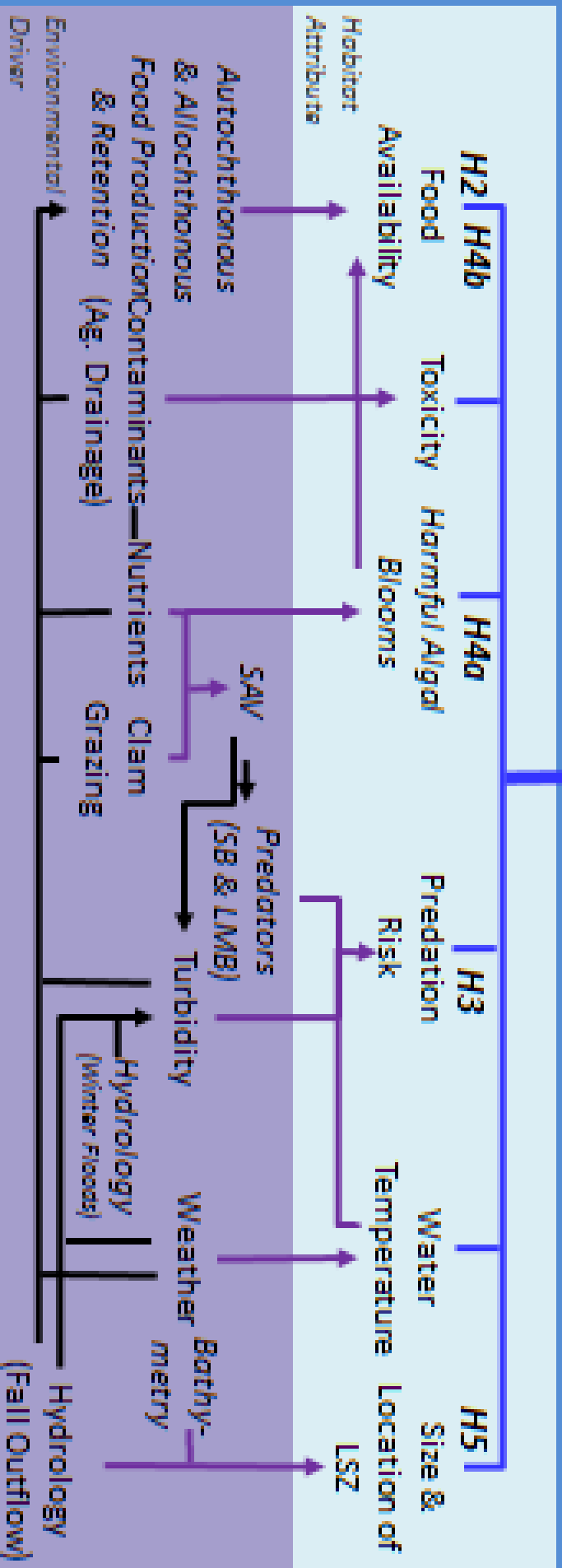
Transition Probability

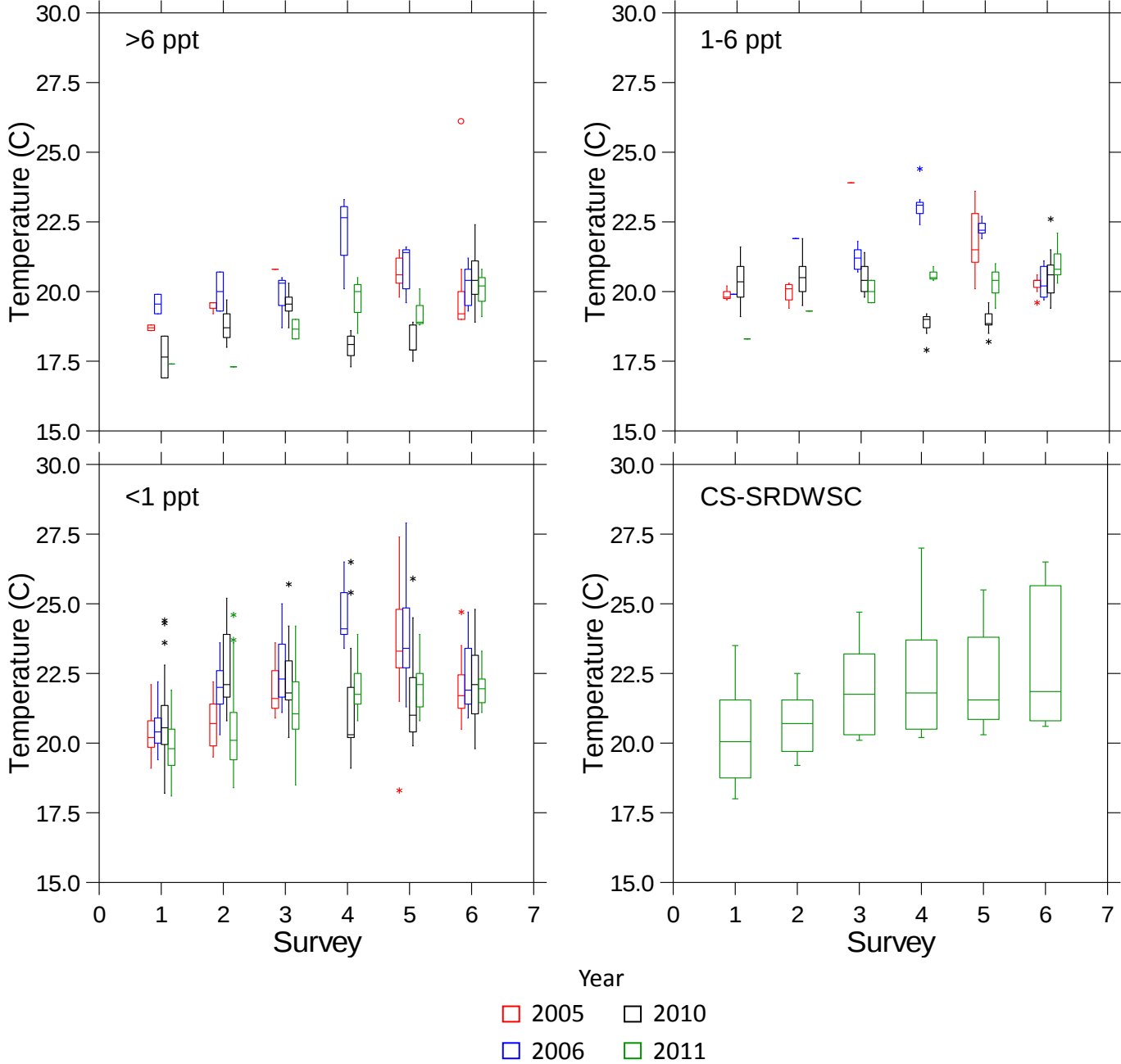
Adults

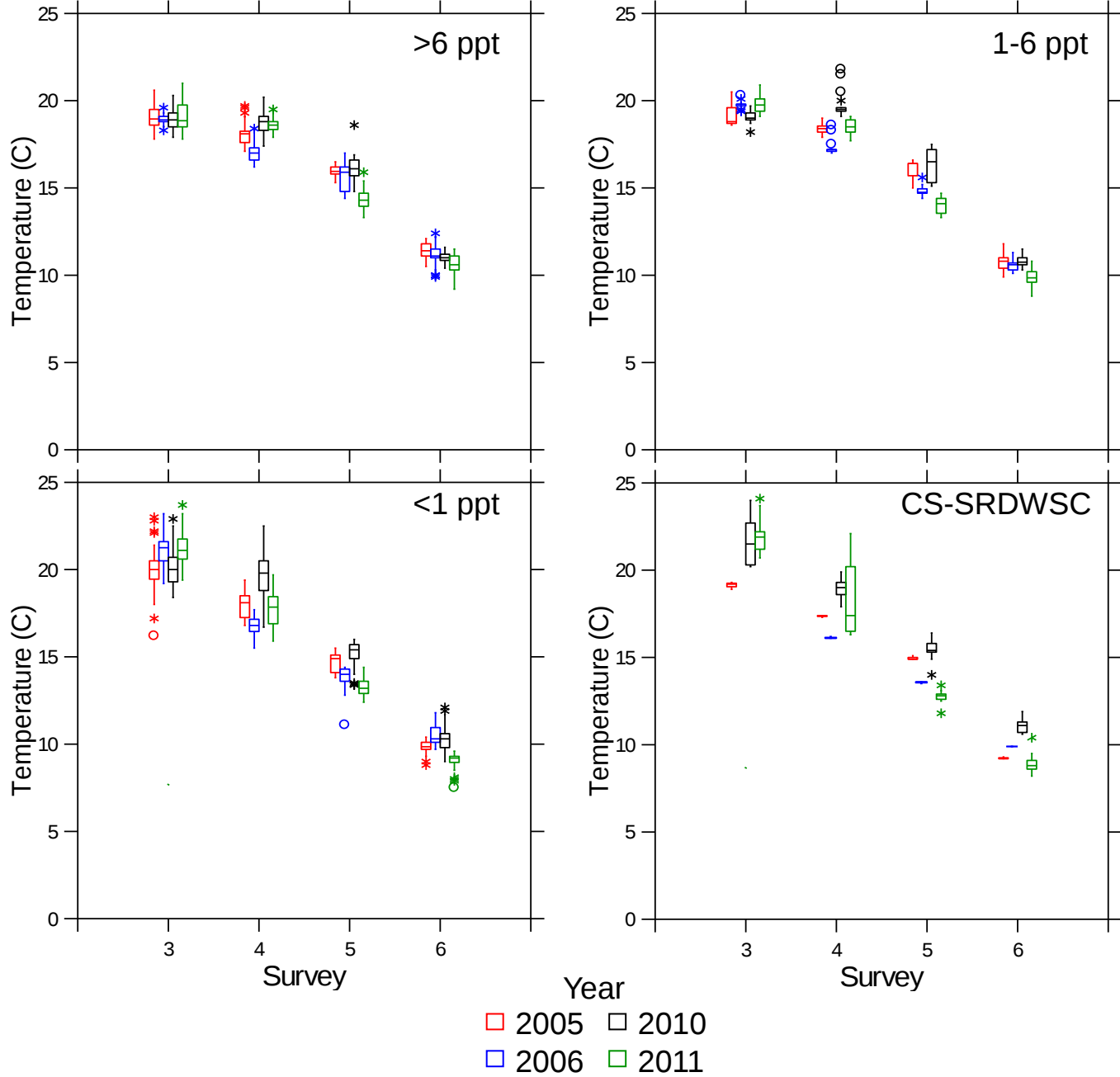
(Number, Size, Distribution)

Growth & Survival

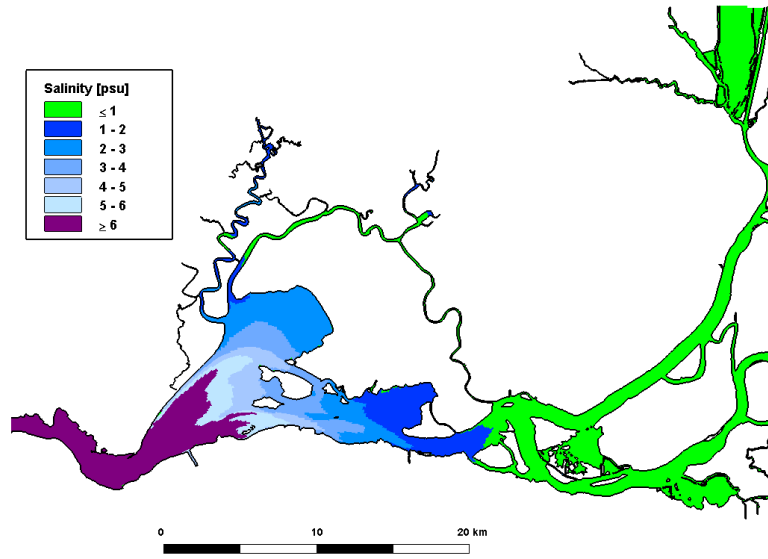
Delta Smelt
Response



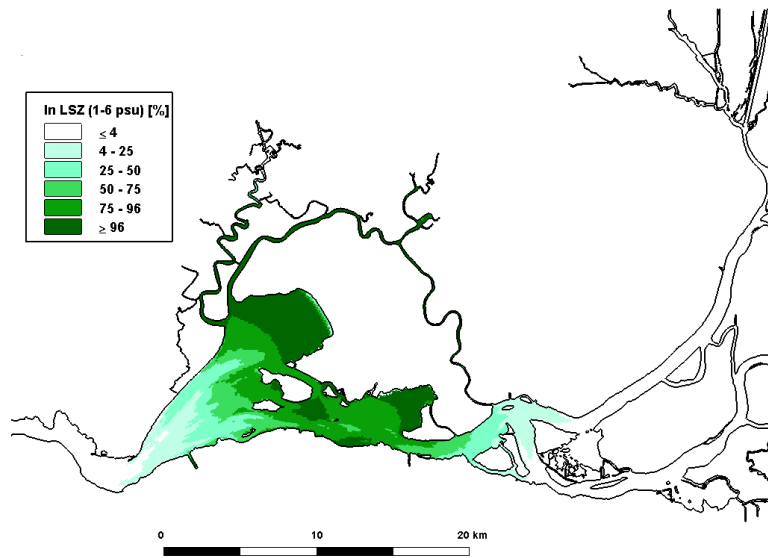




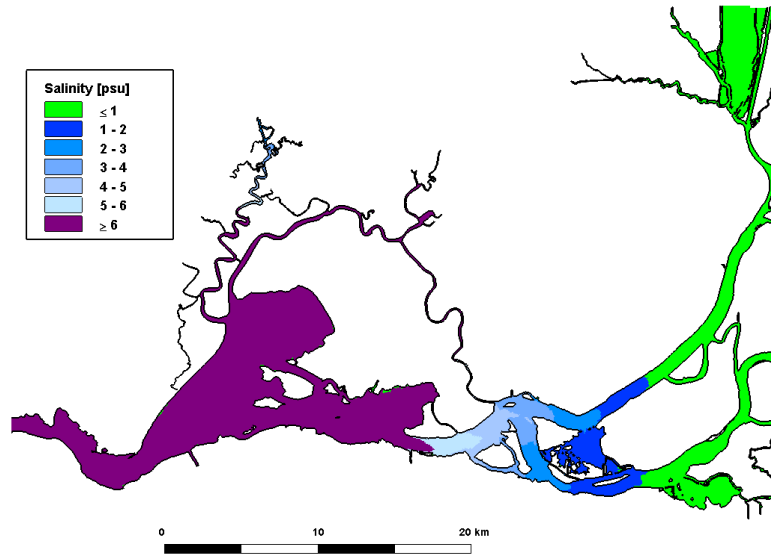
Daily-Average Depth-Averaged Salinity



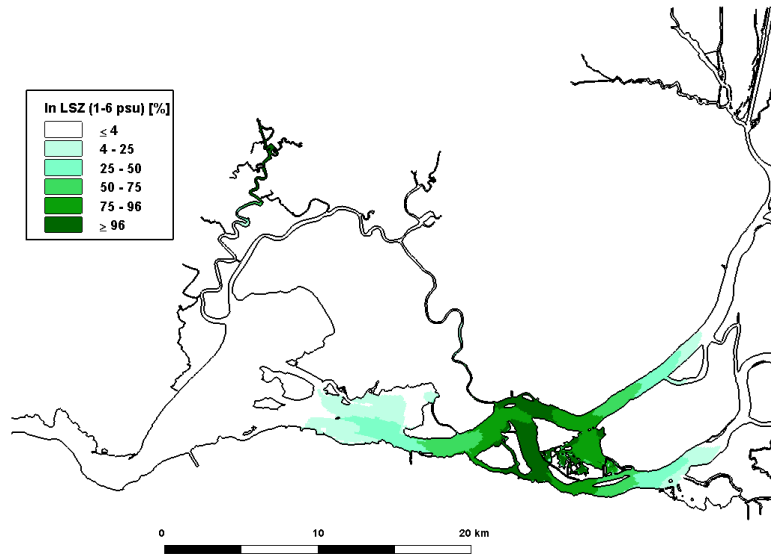
Daily-Average Depth-Averaged Salinity

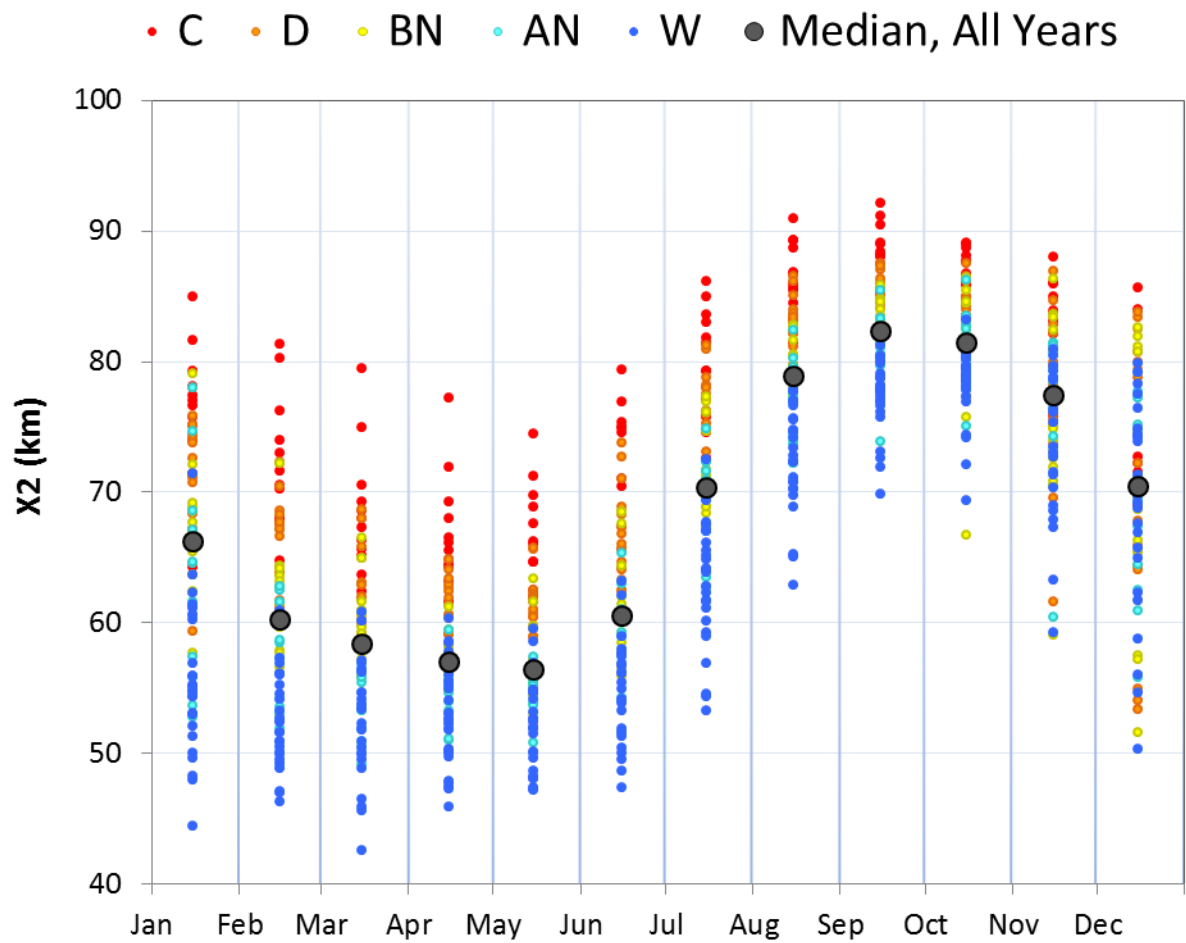


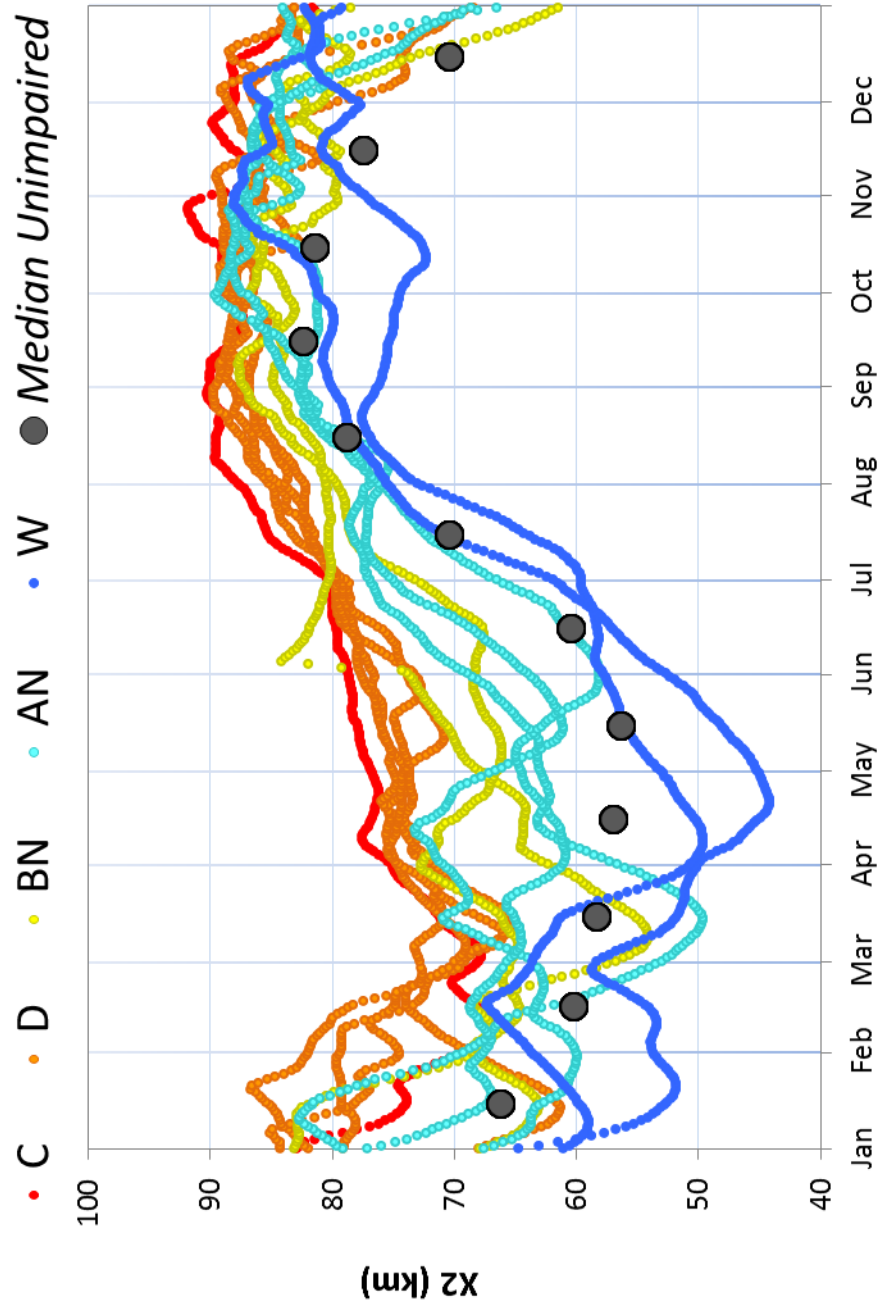
Daily-Average Depth-Averaged Salinity

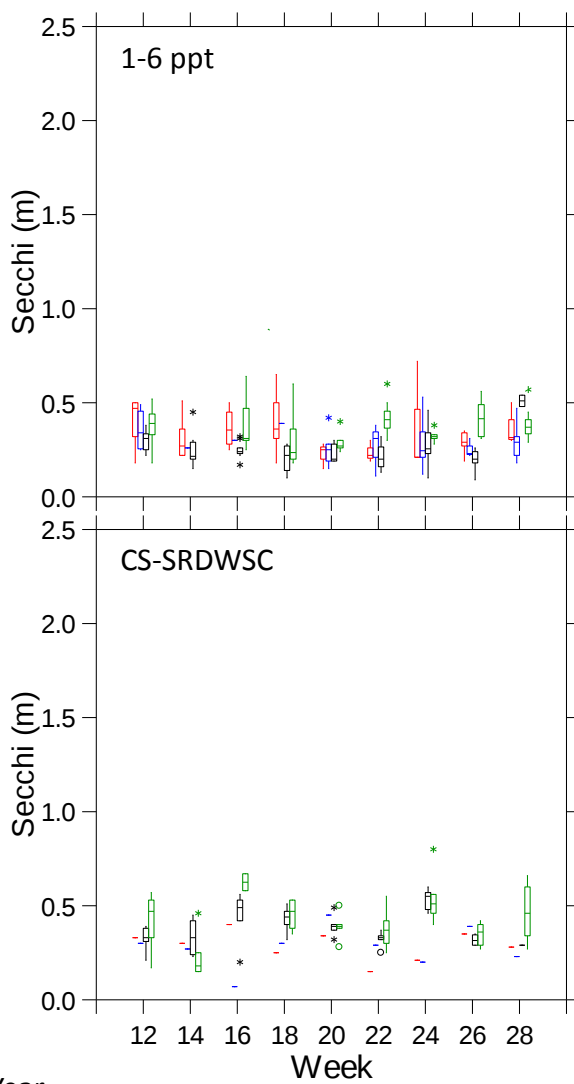
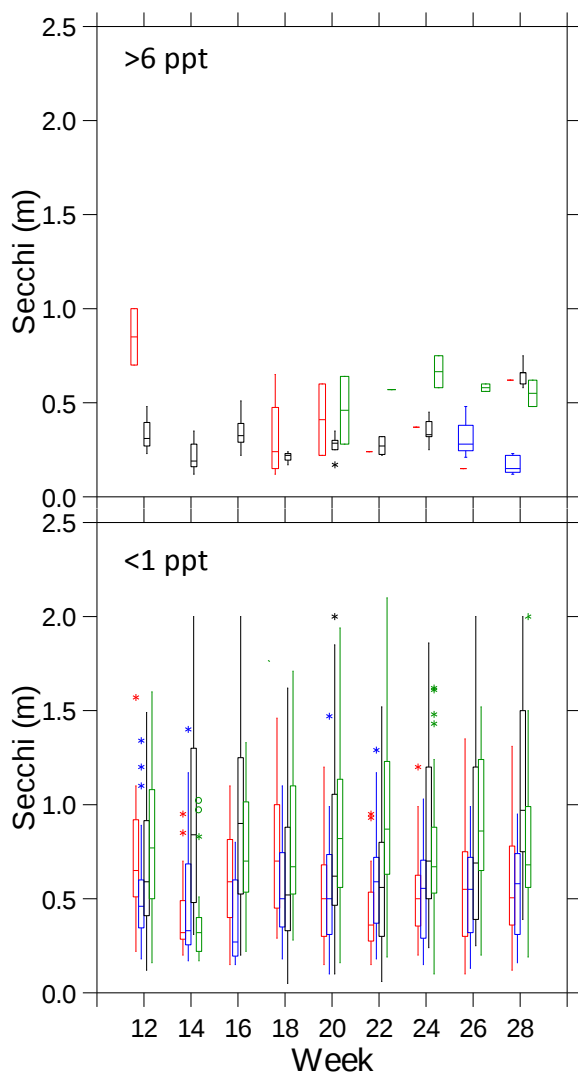


Daily-Average Depth-Averaged Salinity





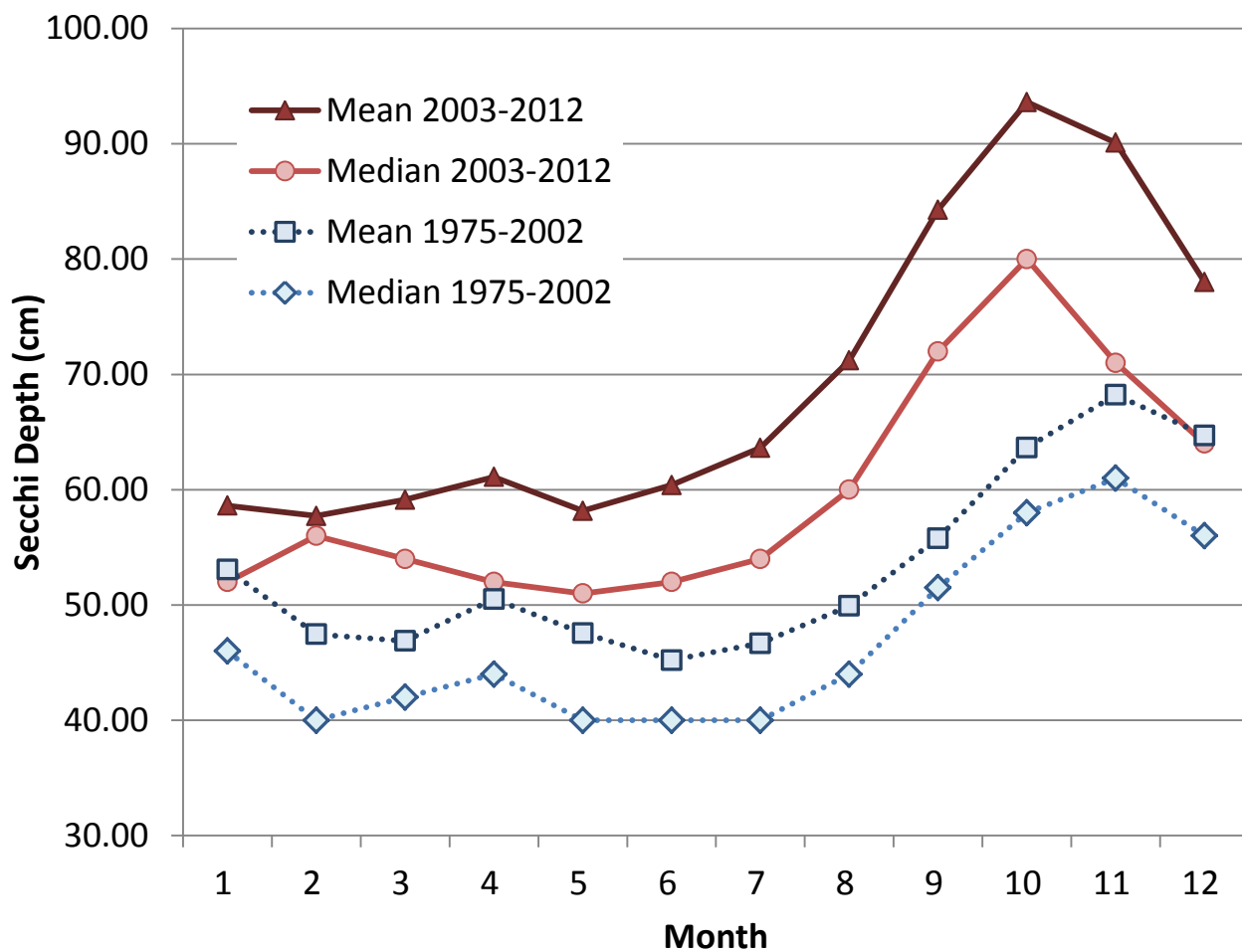




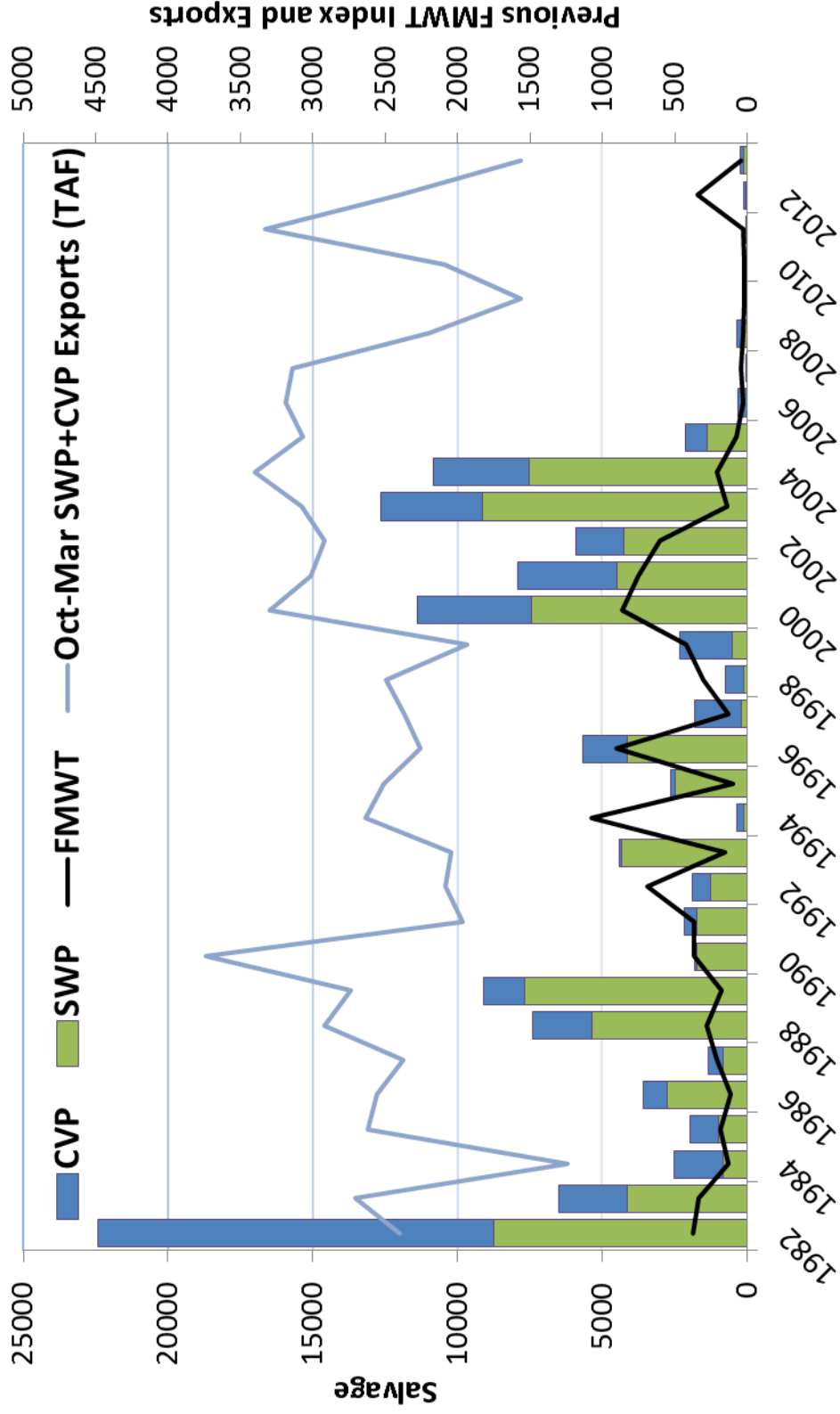
Year

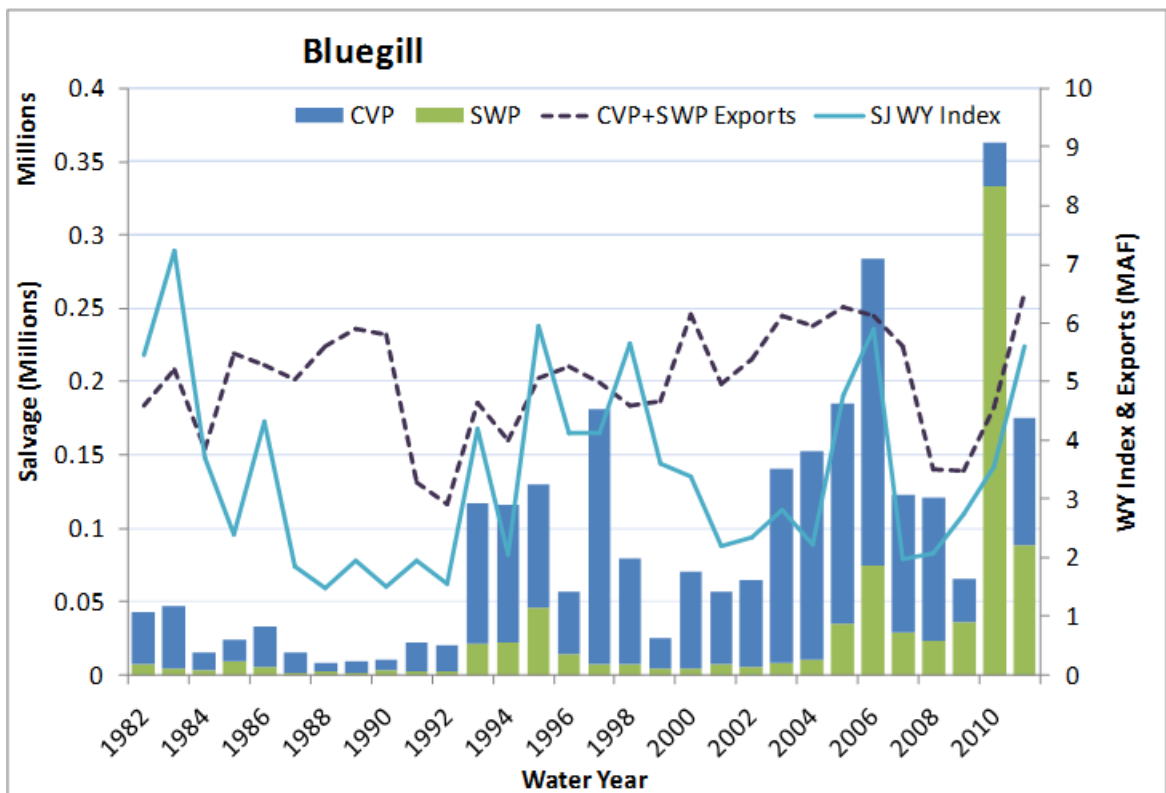
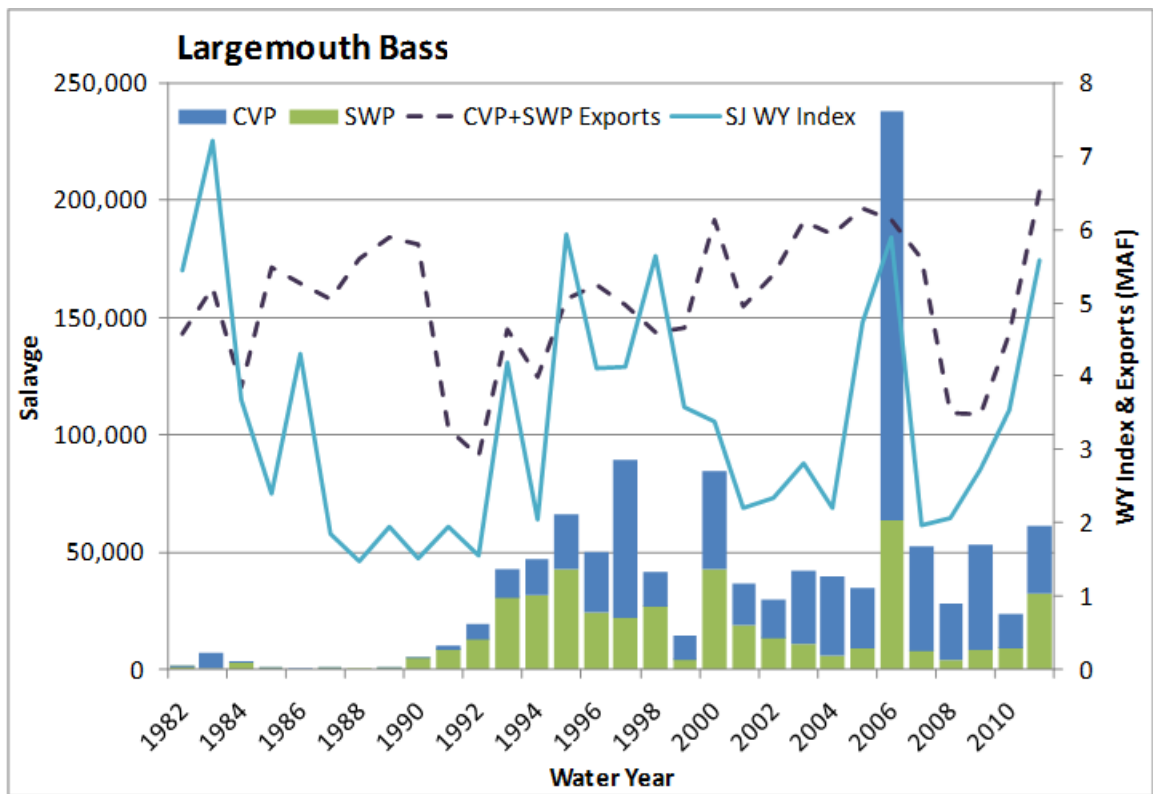
2005 2010

2006 2011

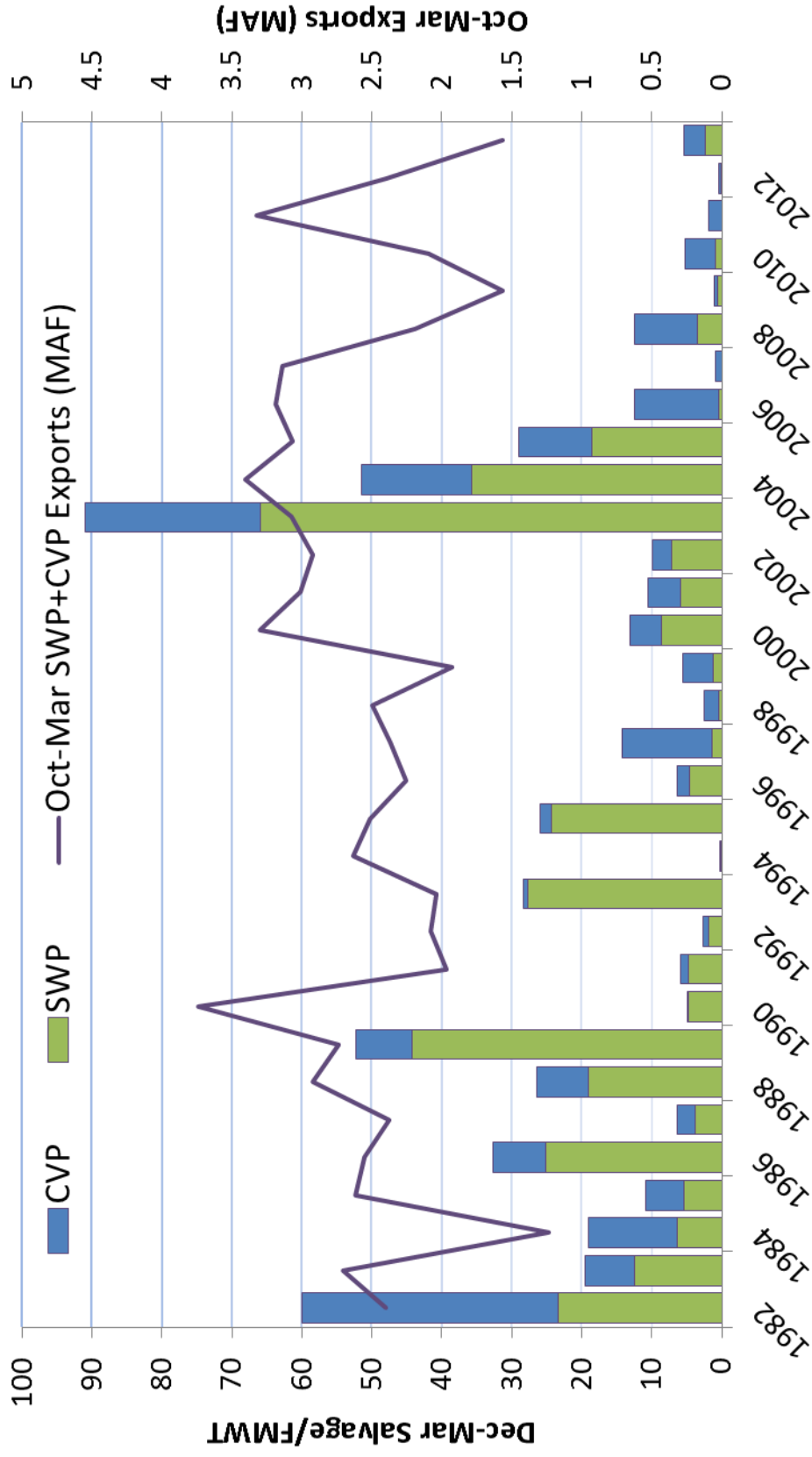


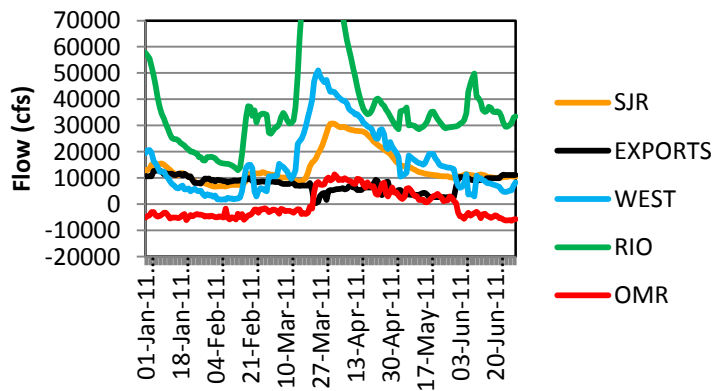
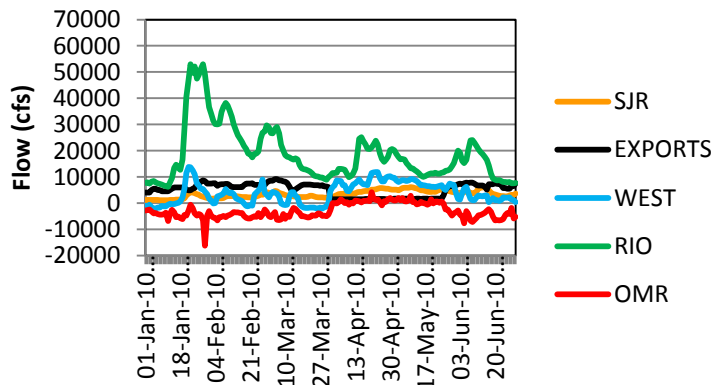
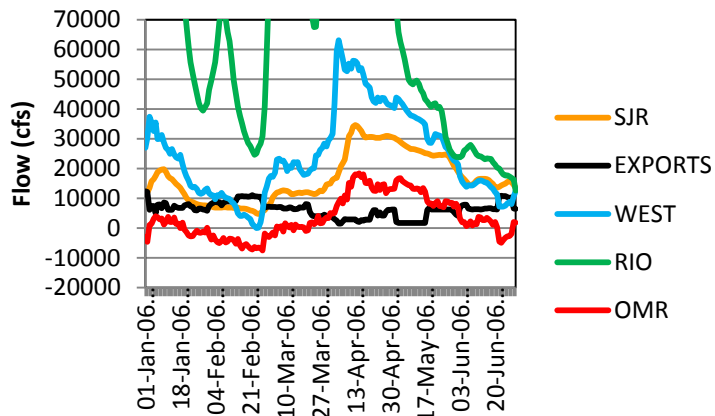
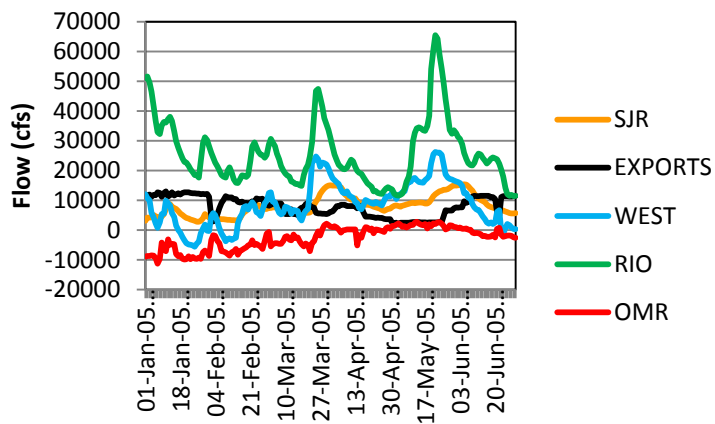
Dec-Mar Delta Smelt Salvage, Previous FMWT Index, and Exports

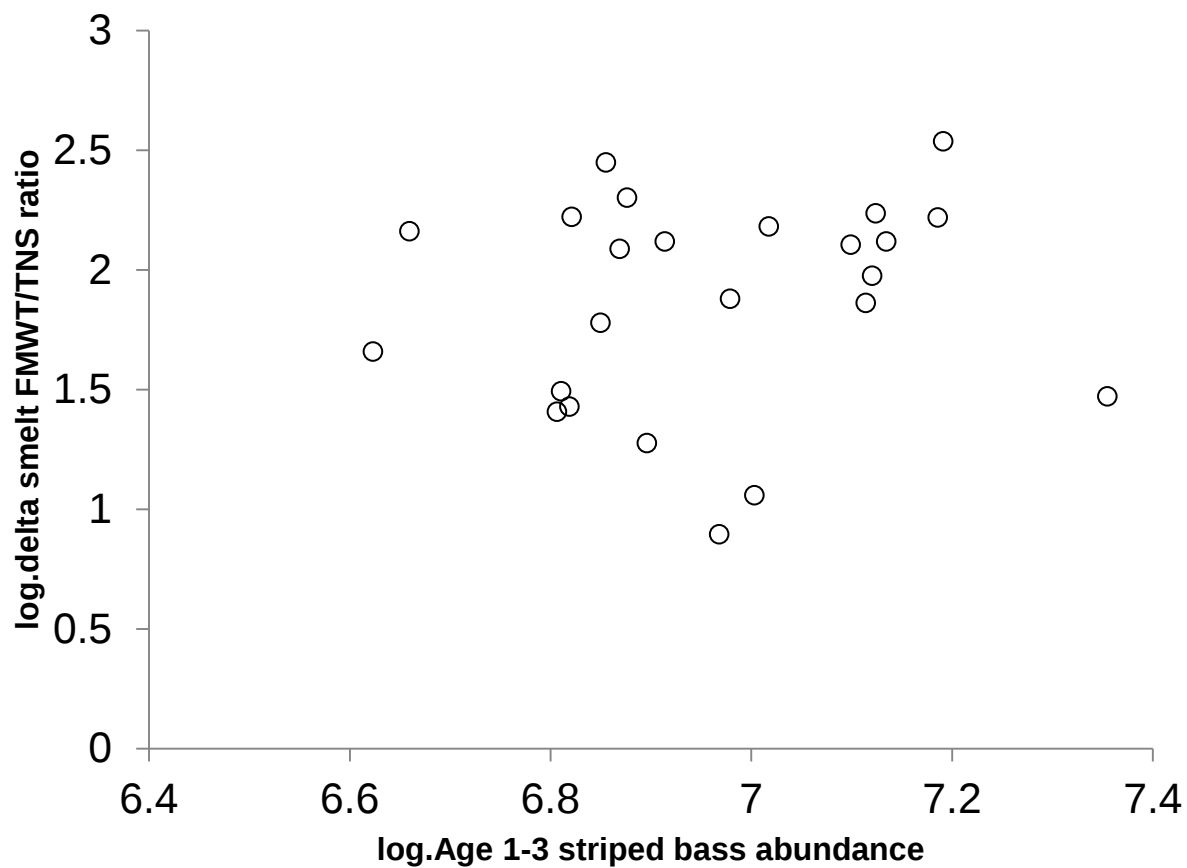


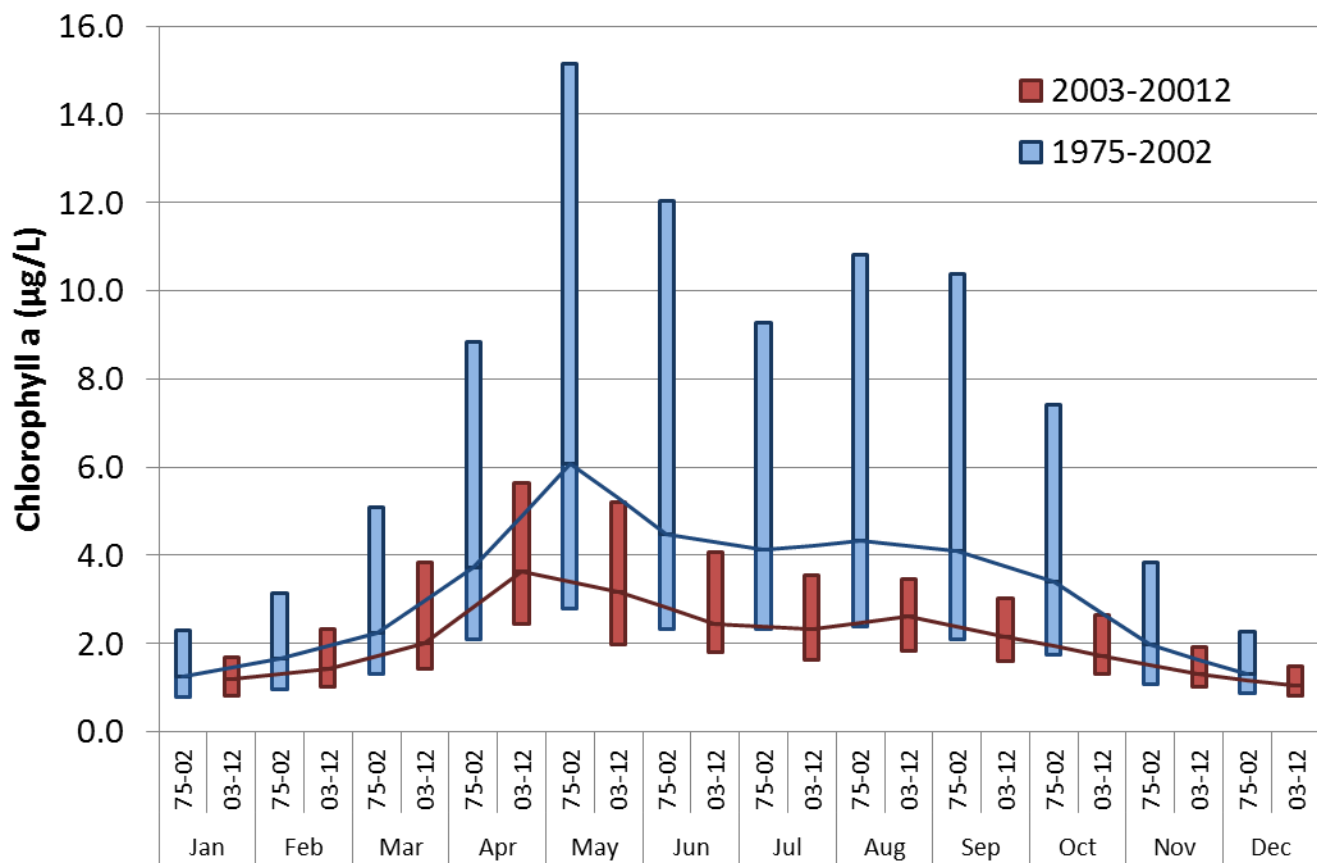


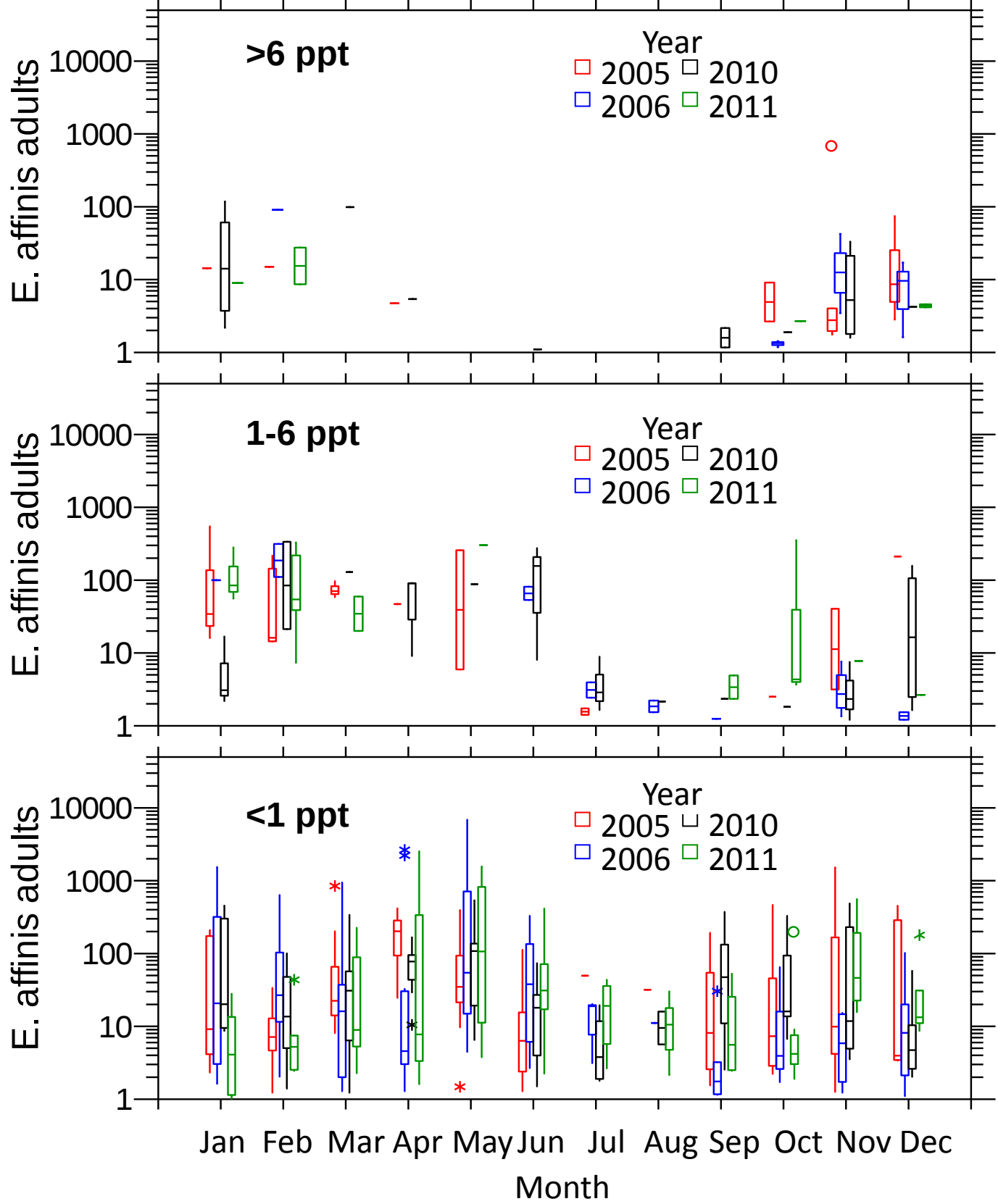
Ratio: Dec-Mar Delta Smelt Salvage / Previous FMWT Index

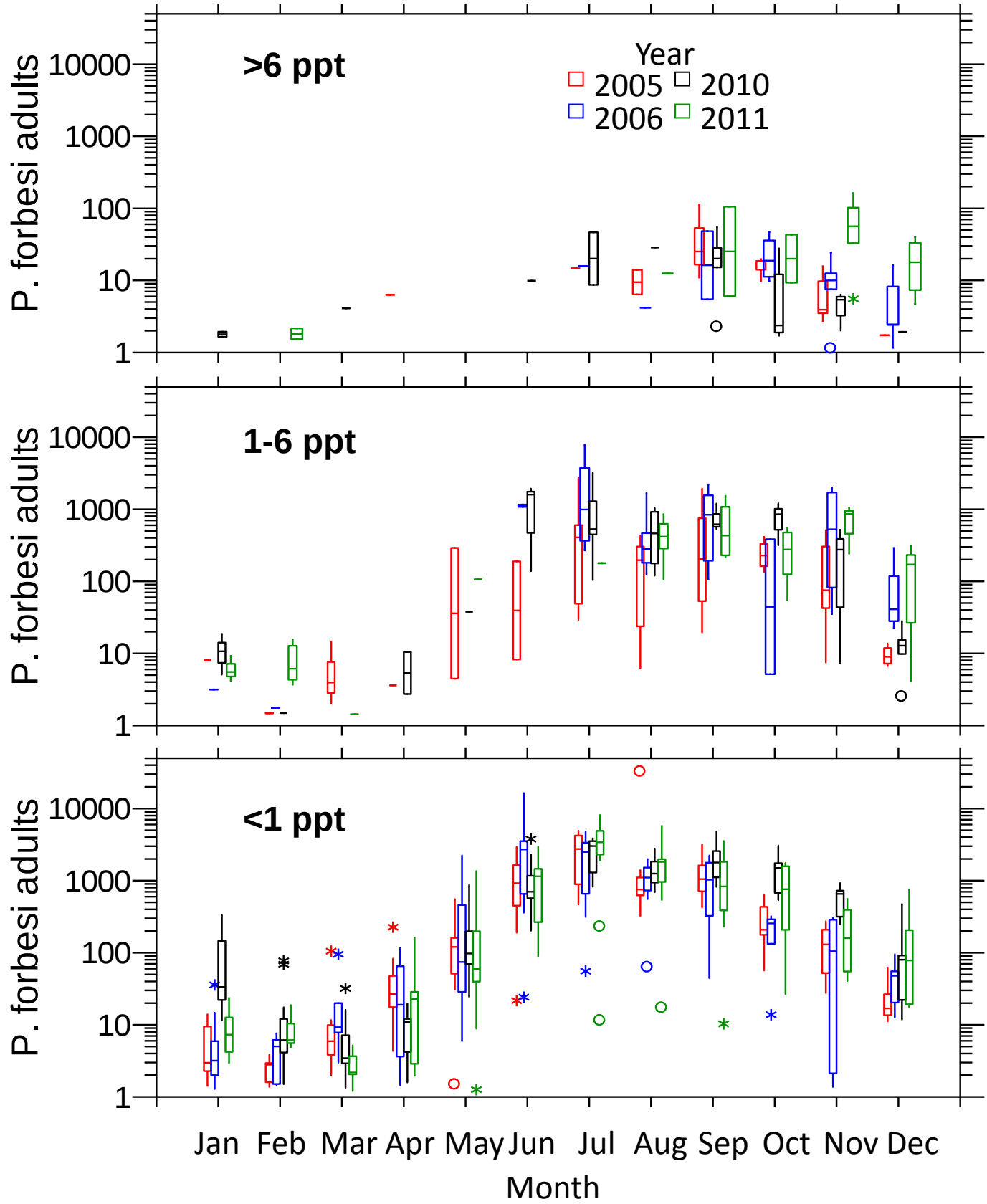


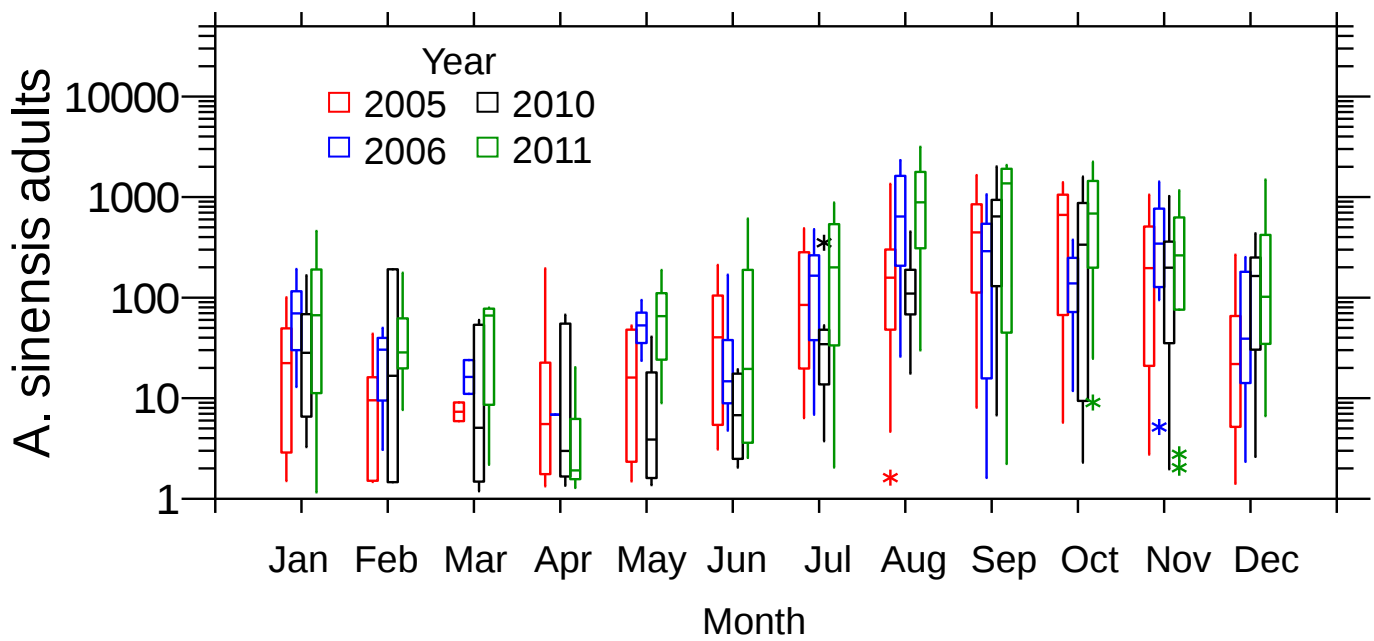


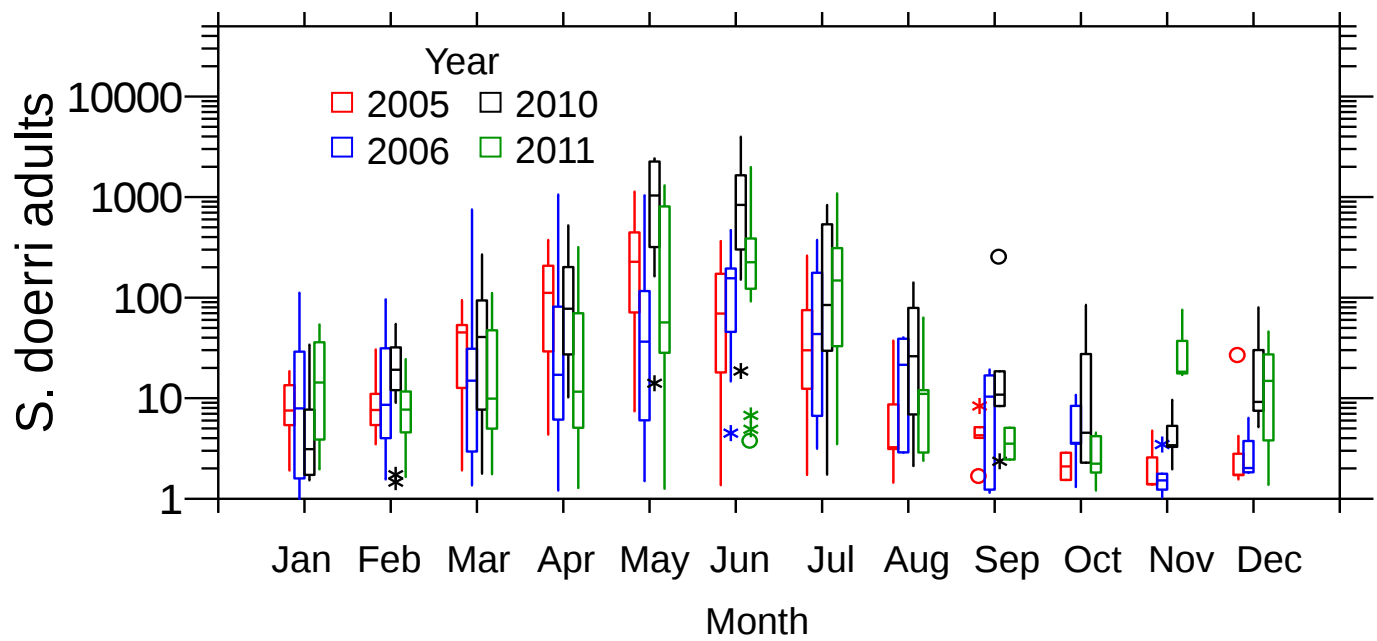


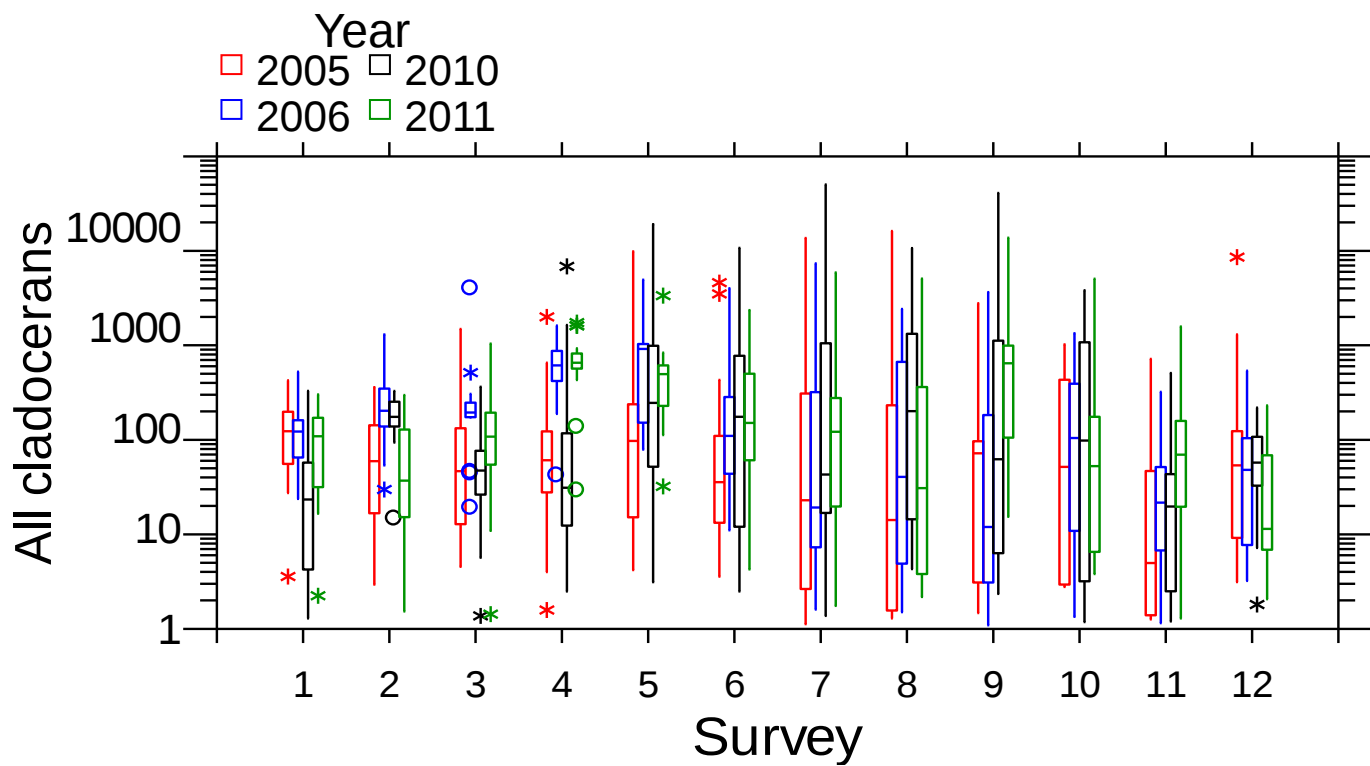


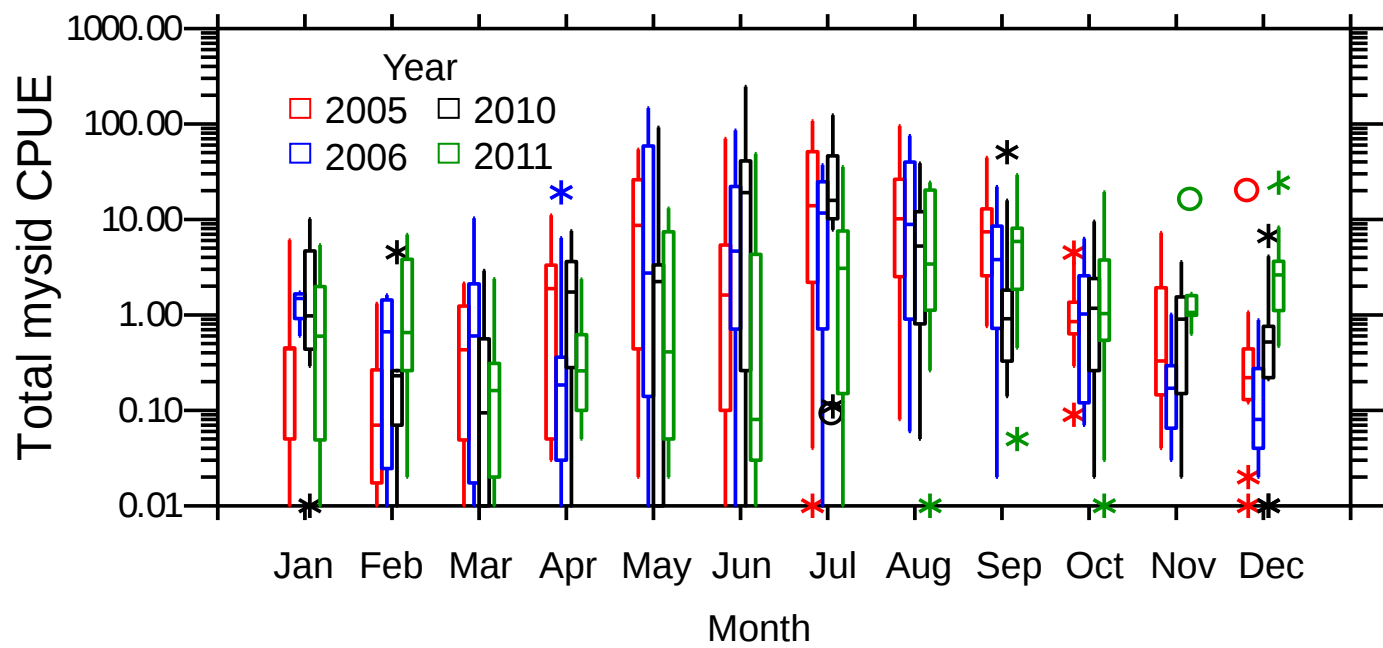




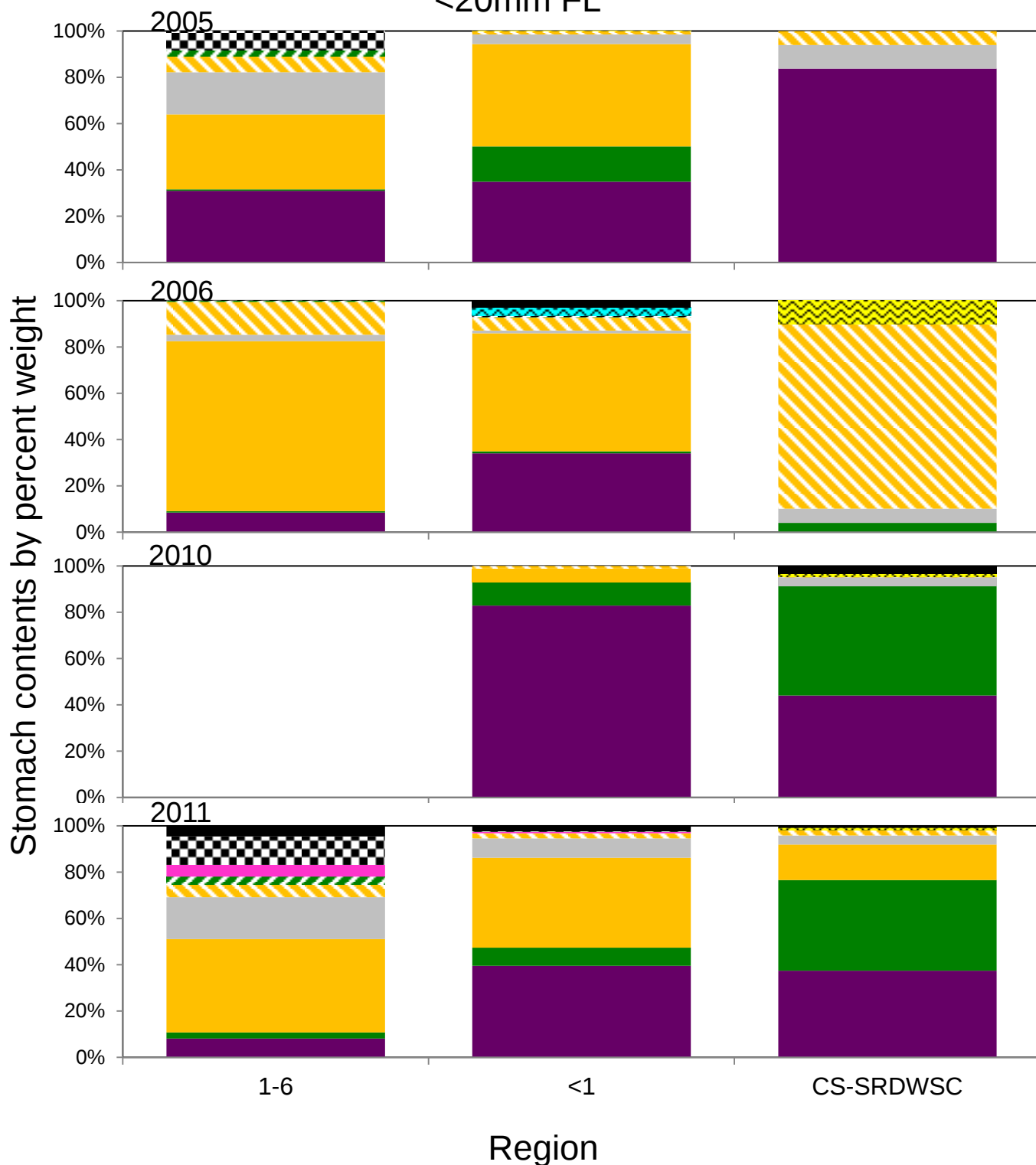








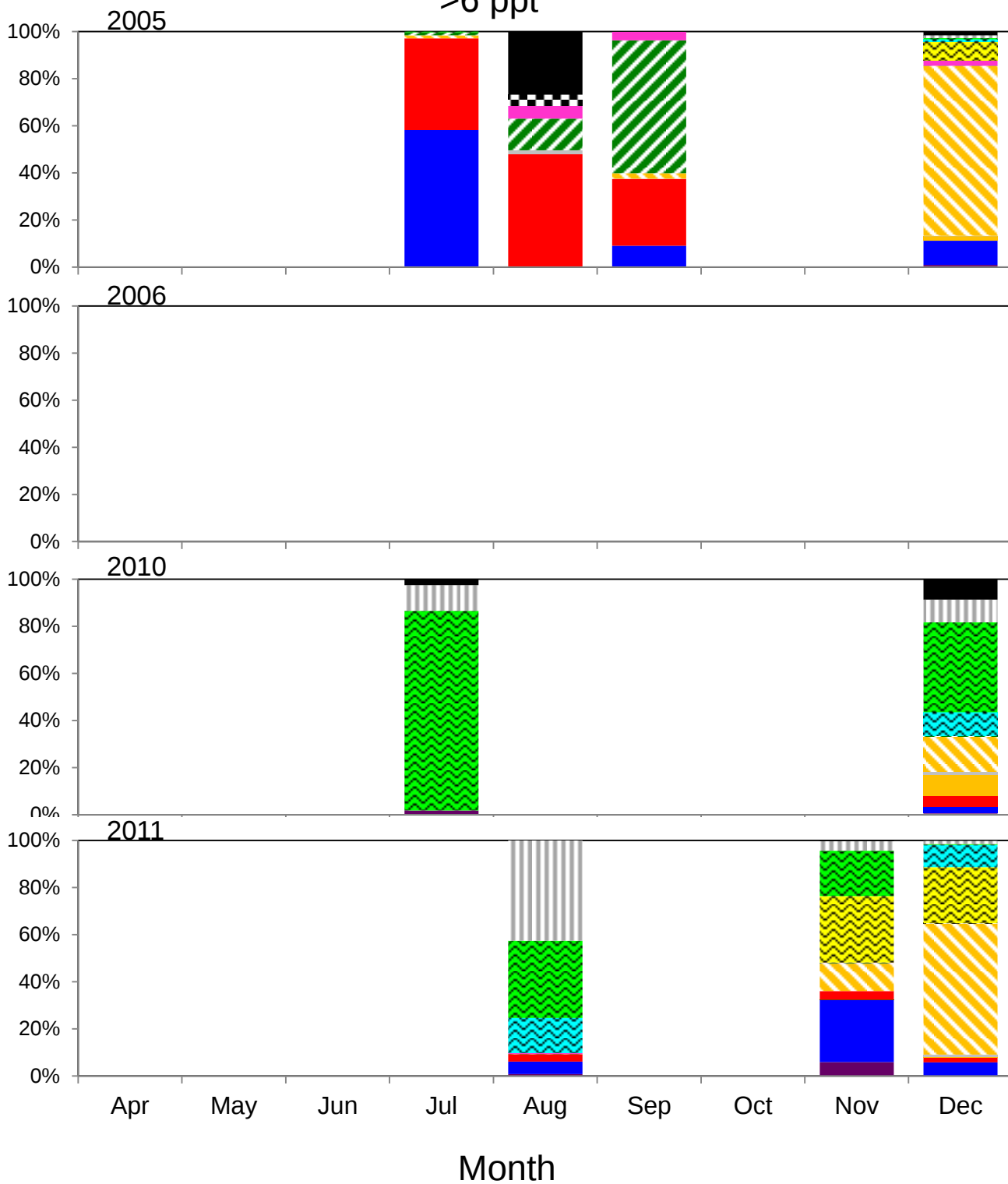
<20mm FL



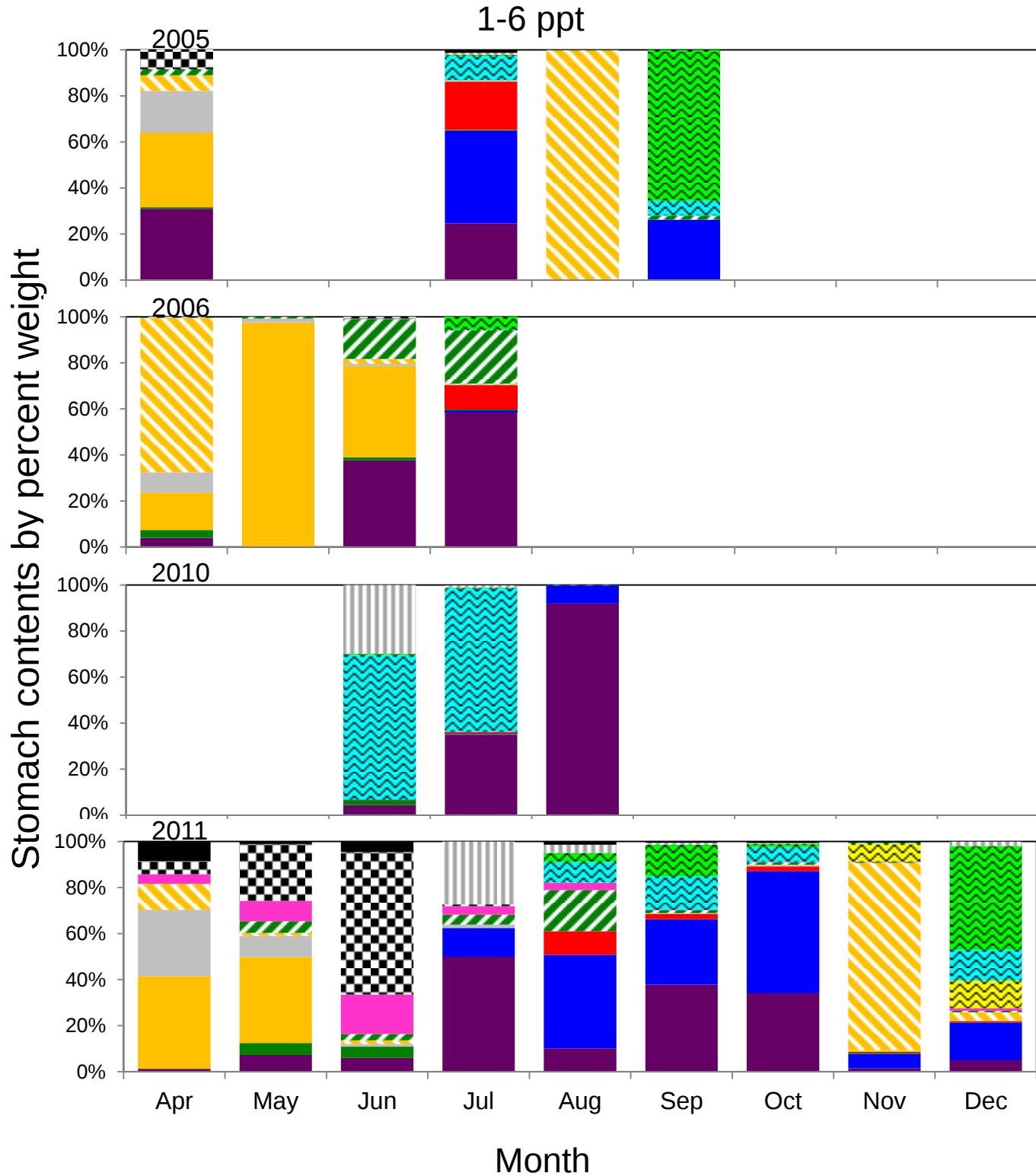
- Pseudo. spp.*
- E. affinis*
- Harpacticoids
- Amphipods
- Other calanoids
- Copepod nauplii
- Cumaceans
- A. sinensis*
- Other cyclopoids
- Fish
- S. doerri*
- Tortanus* spp.
- Cladocerans
- Other
- Mysids
- Limno. spp.*

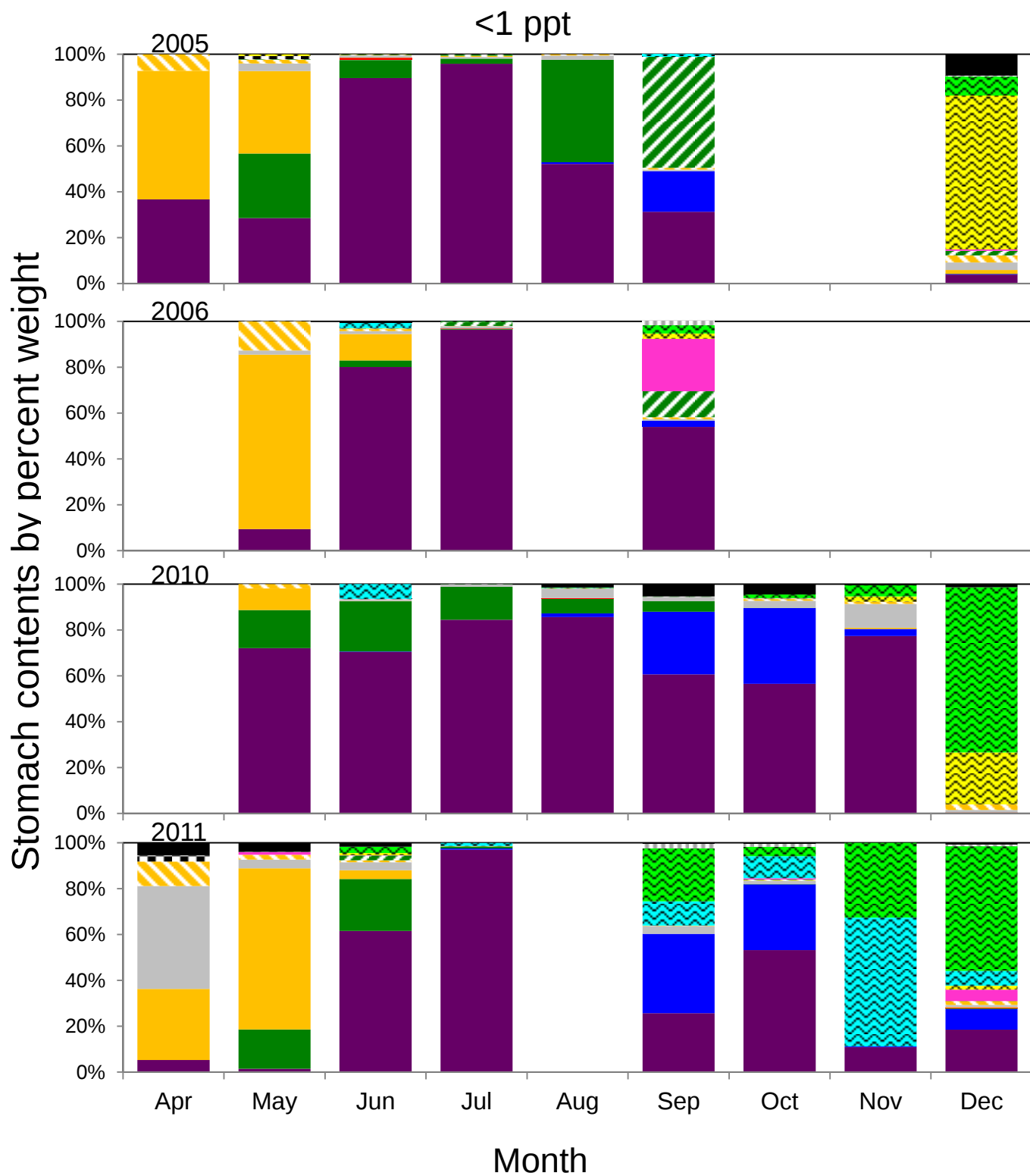
Stomach contents by percent weight

>6 ppt

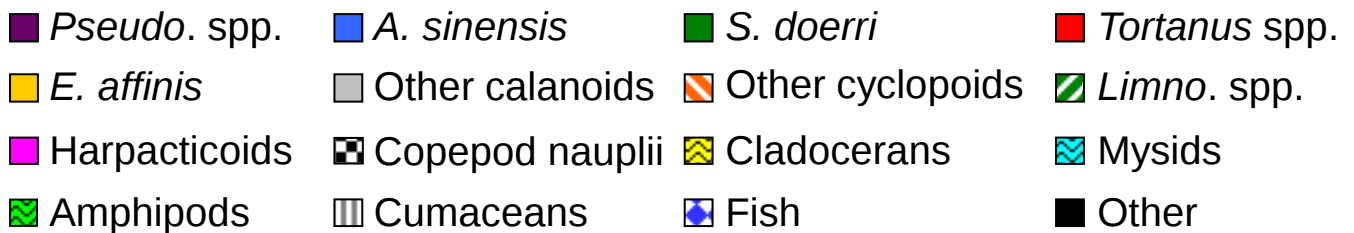
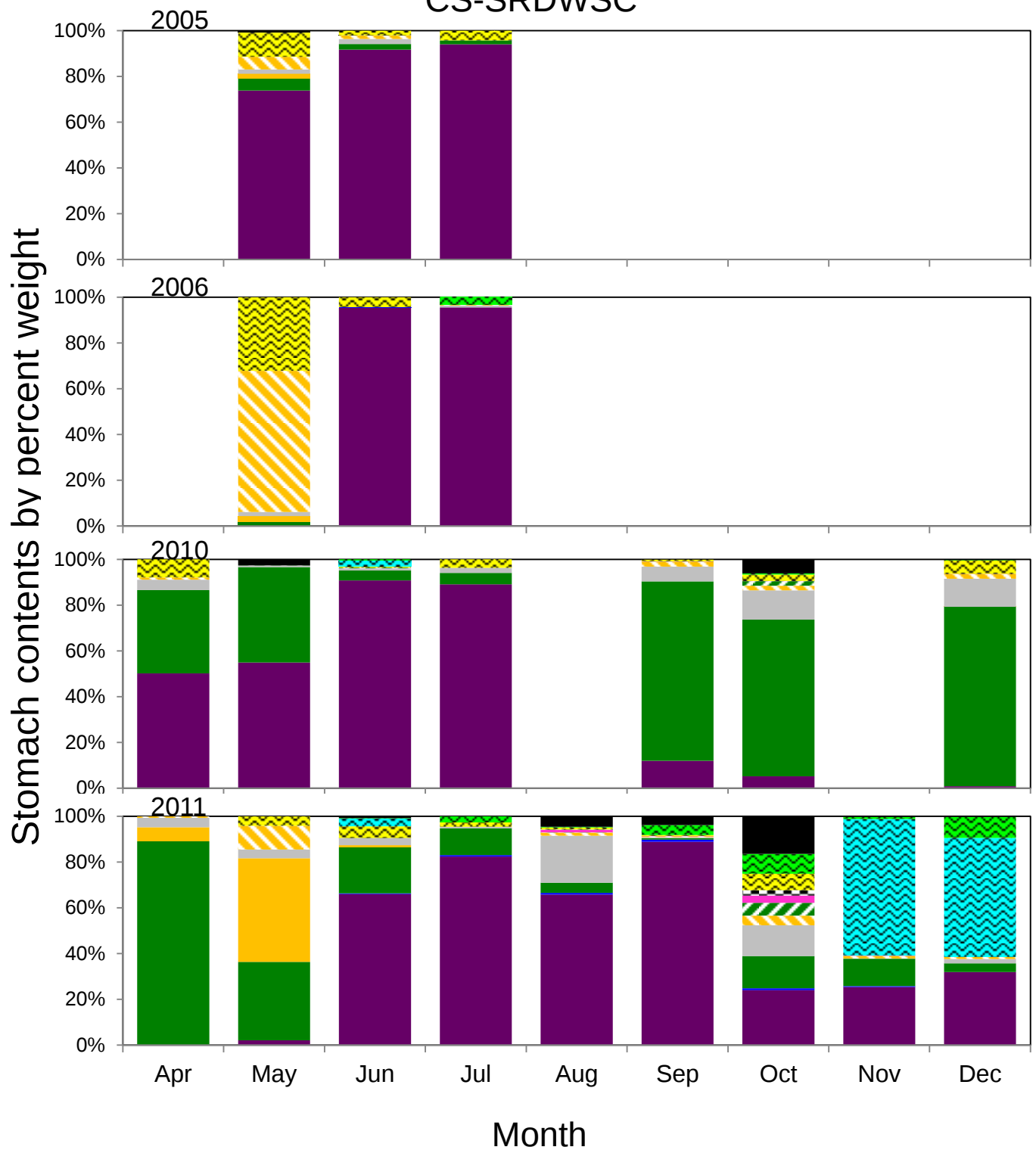


- | | | | |
|---------------------|--------------------|------------------|----------------------|
| <i>Pseudo.</i> spp. | <i>A. sinensis</i> | <i>S. doerri</i> | <i>Tortanus</i> spp. |
| <i>E. affinis</i> | Other calanoids | Other cyclopoids | <i>Limno.</i> spp. |
| Harpacticoids | Copepod nauplii | Cladocerans | Mysids |
| Amphipods | Cumaceans | Fish | Other |

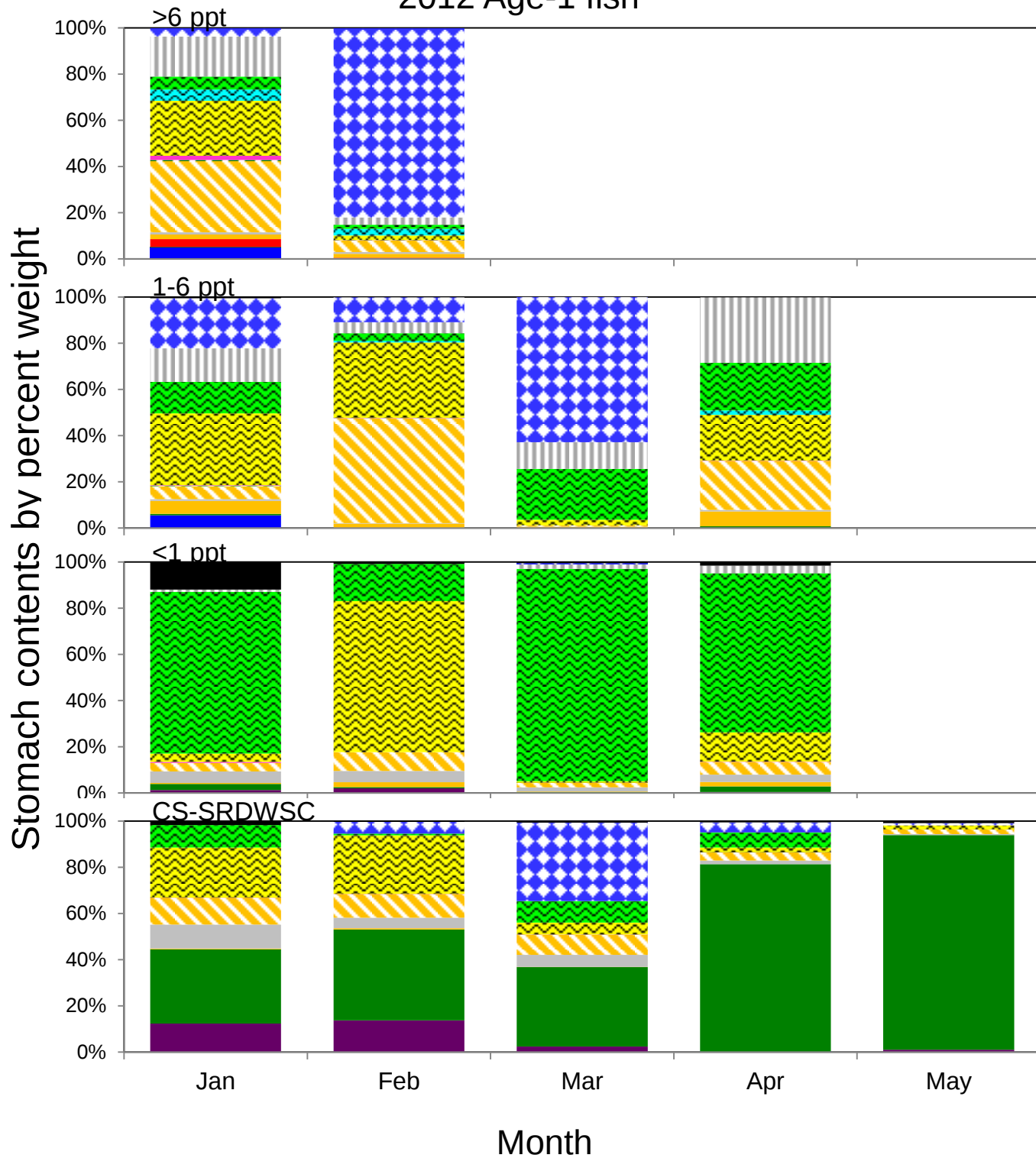




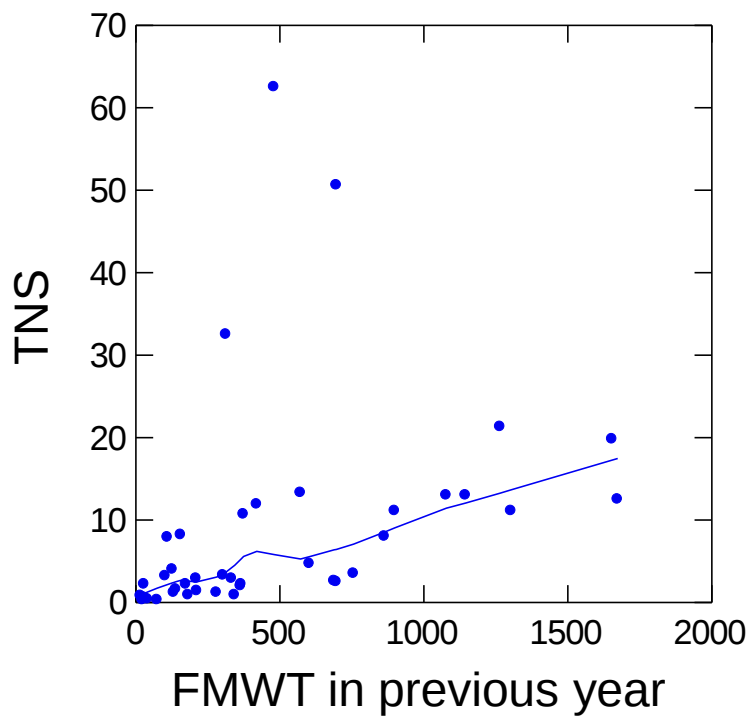
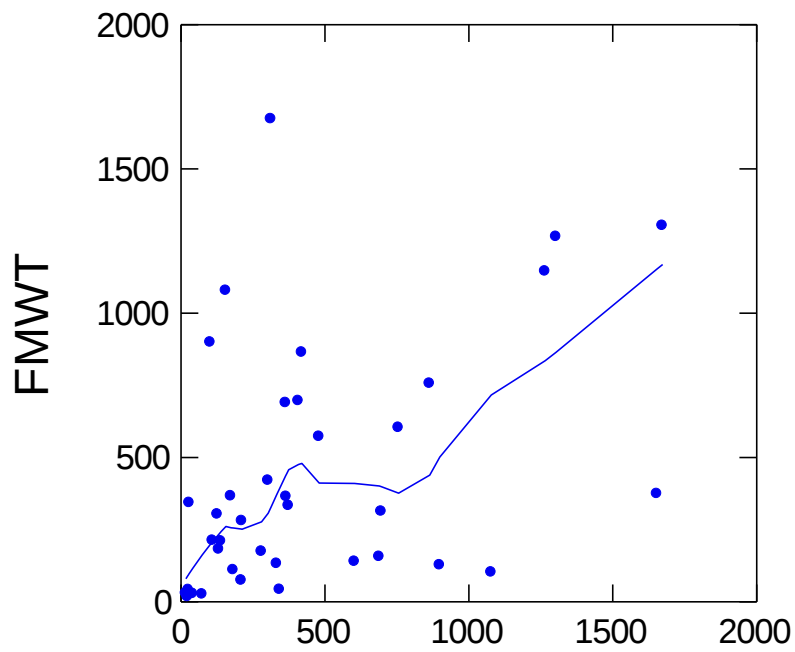
CS-SRDWSC

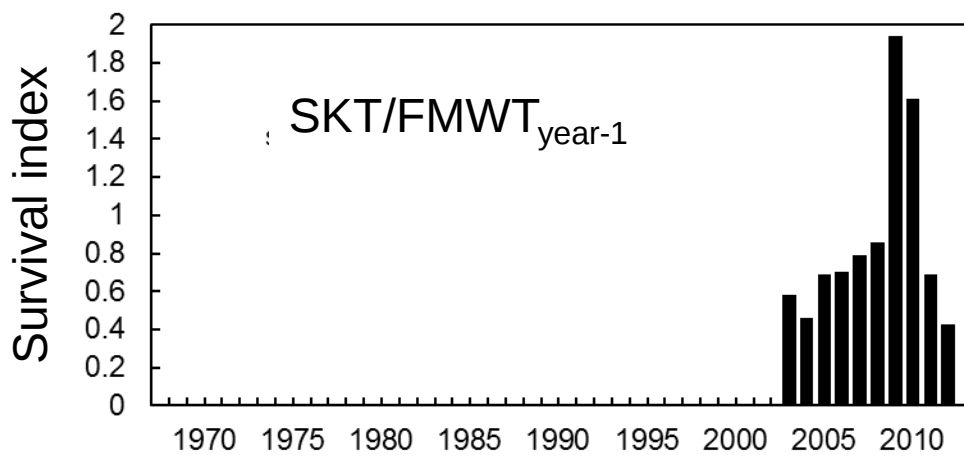
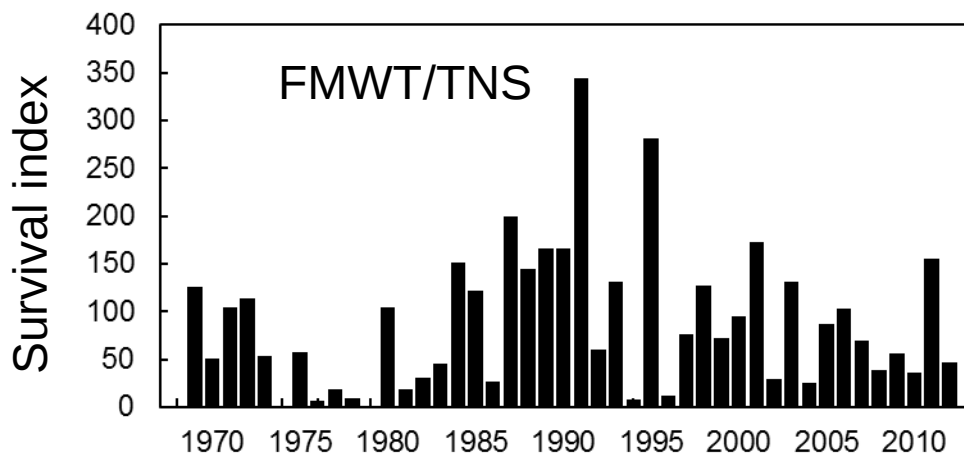
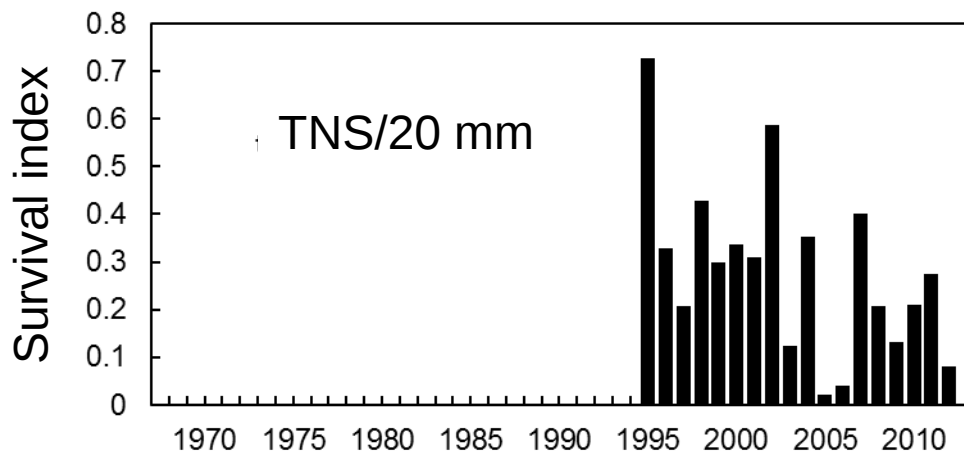


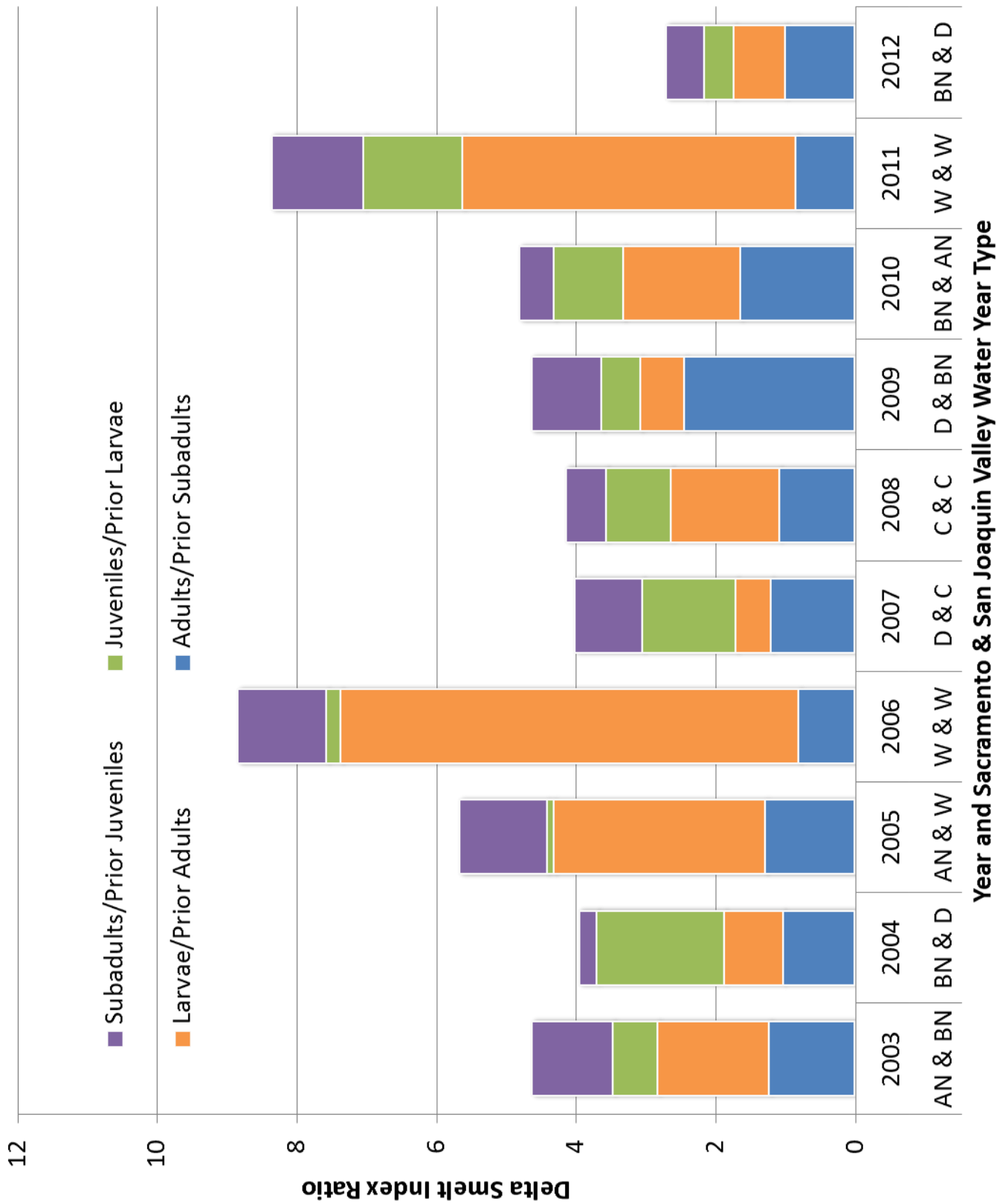
2012 Age-1 fish

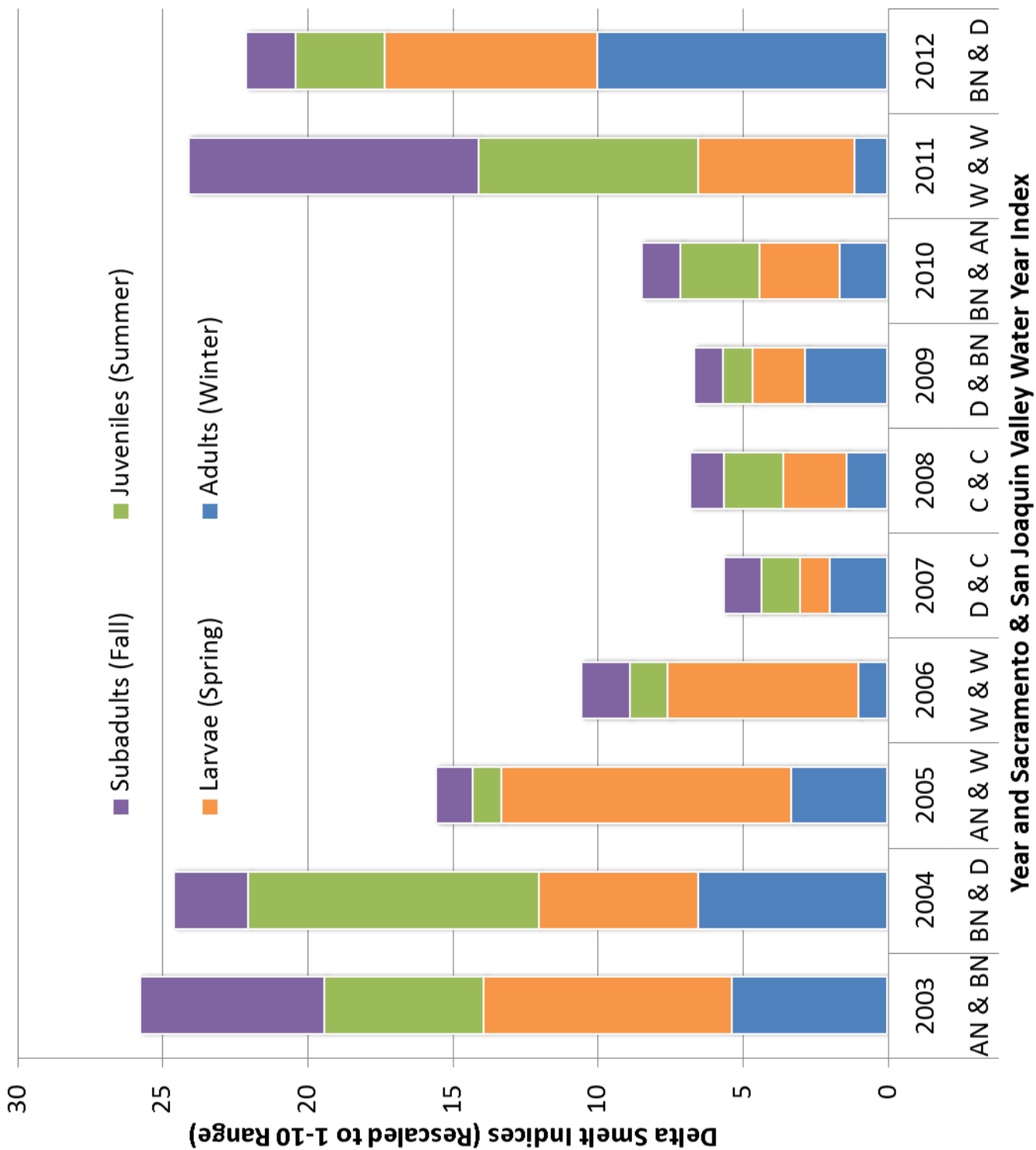


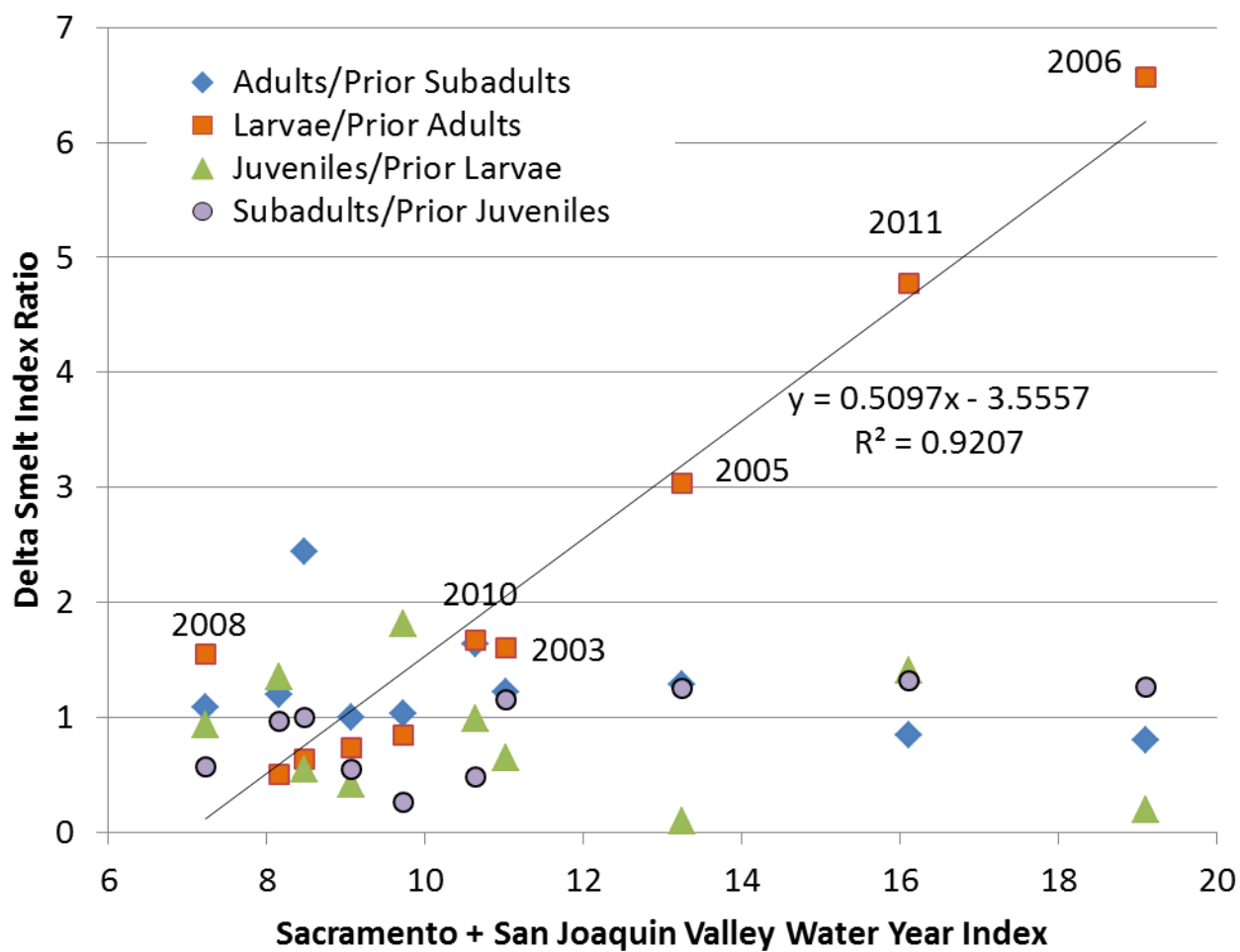
- | | | | |
|---------------------|--------------------|------------------|----------------------|
| <i>Pseudo. spp.</i> | <i>A. sinensis</i> | <i>S. doerri</i> | <i>Tortanus spp.</i> |
| <i>E. affinis</i> | Other calanoids | Other cyclopoids | <i>Limno. spp.</i> |
| Harpacticoids | Copepod nauplii | Cladocerans | Mysids |
| Amphipods | Cumaceans | Fish | Other |



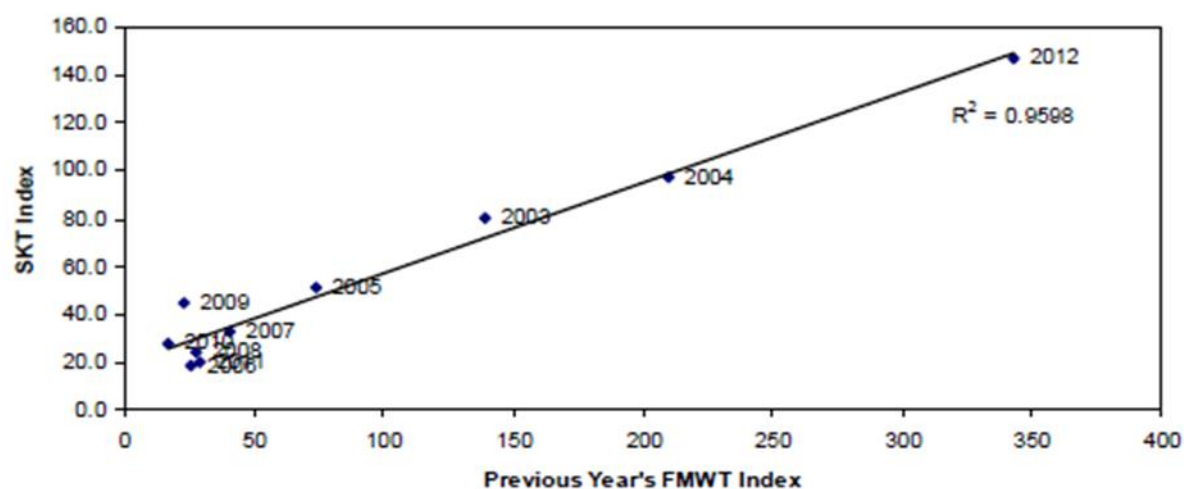


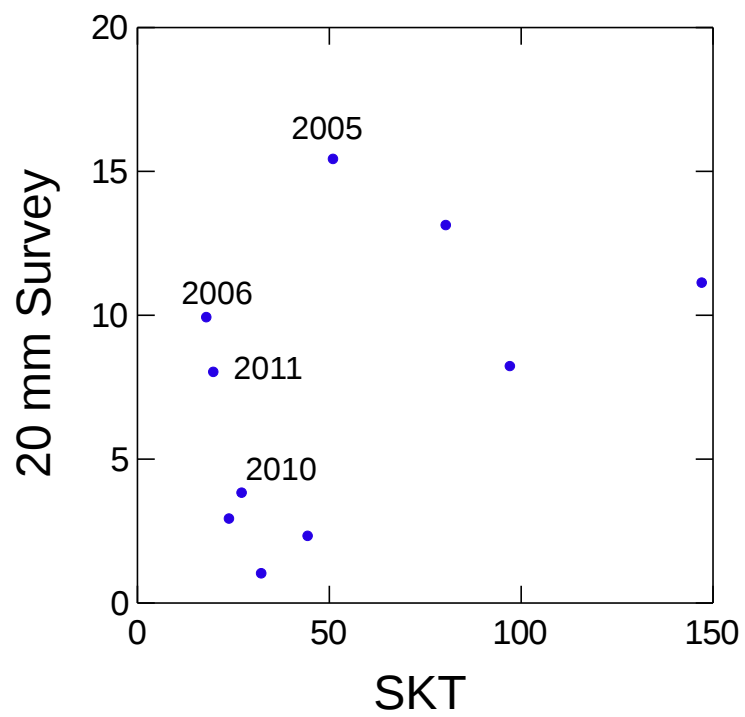


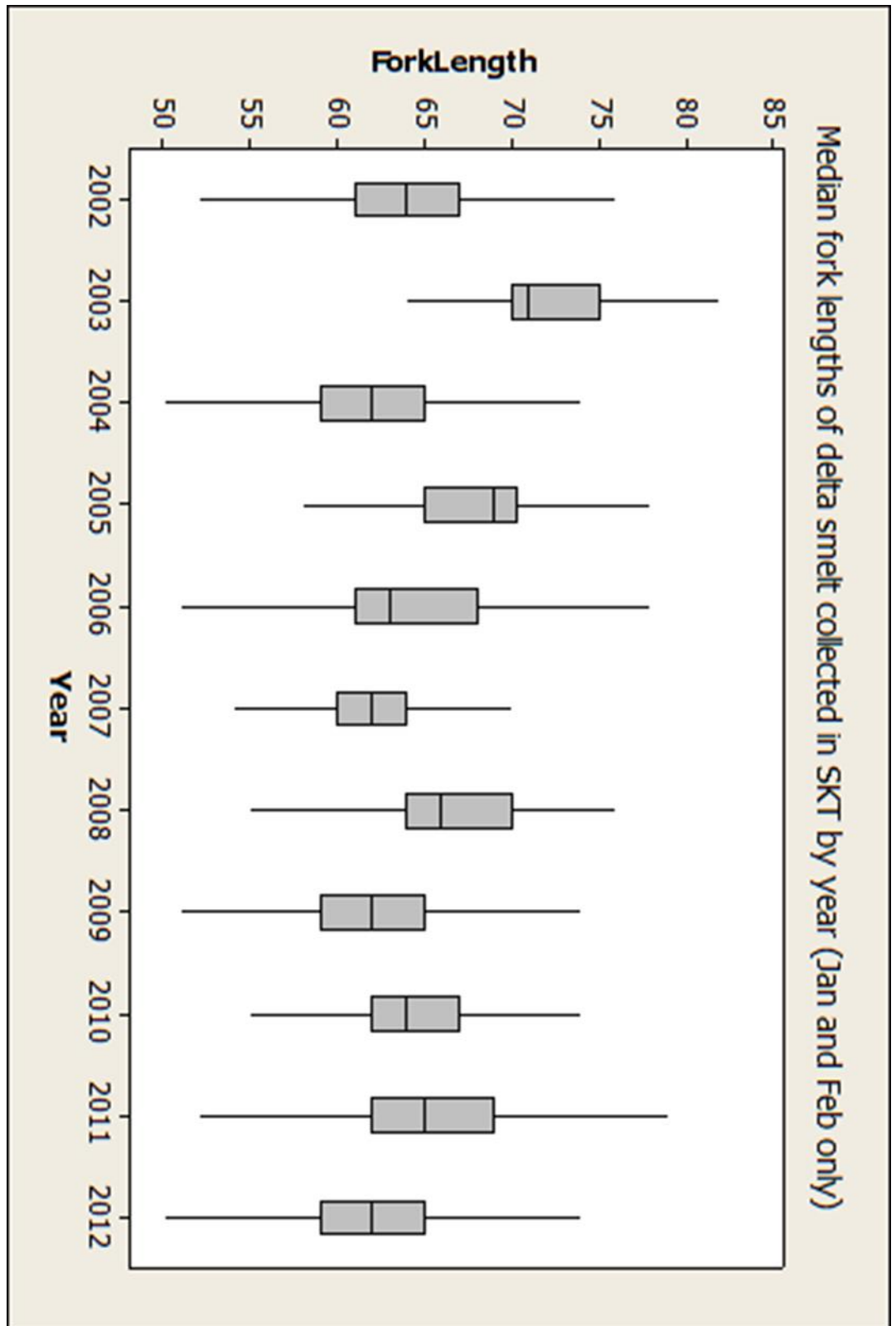


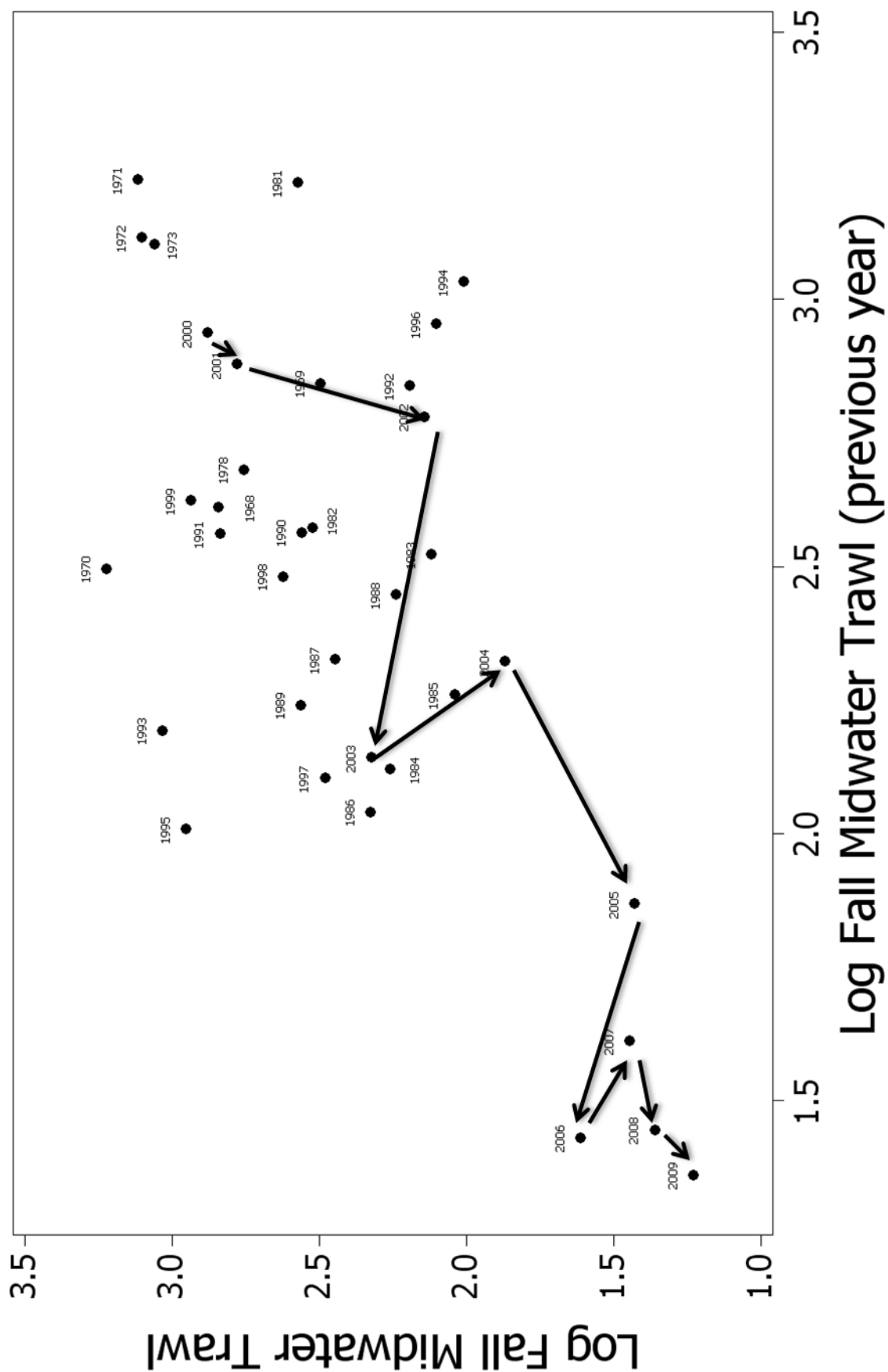


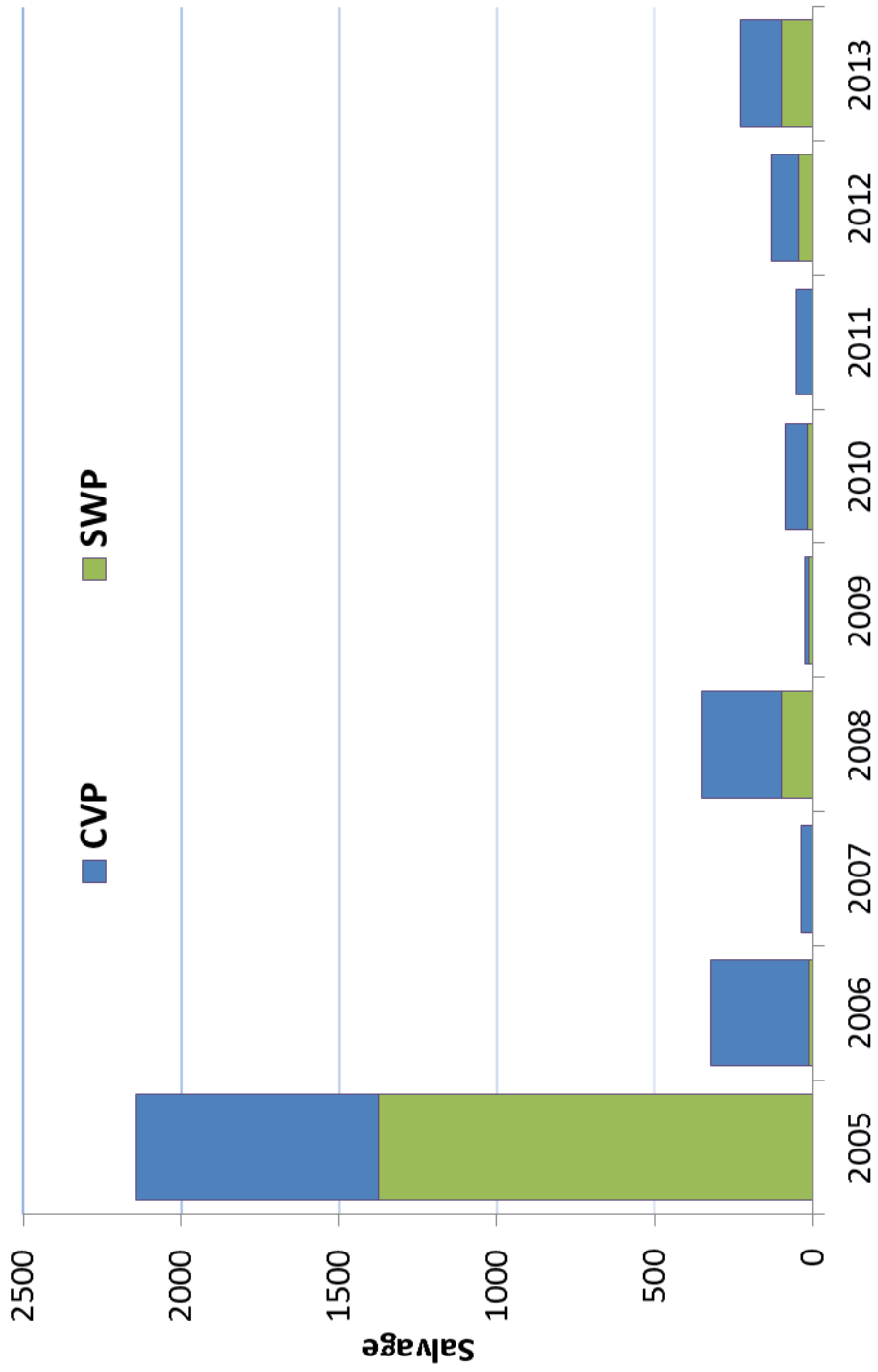
FMWT vs. SKT Delta Smelt Indices

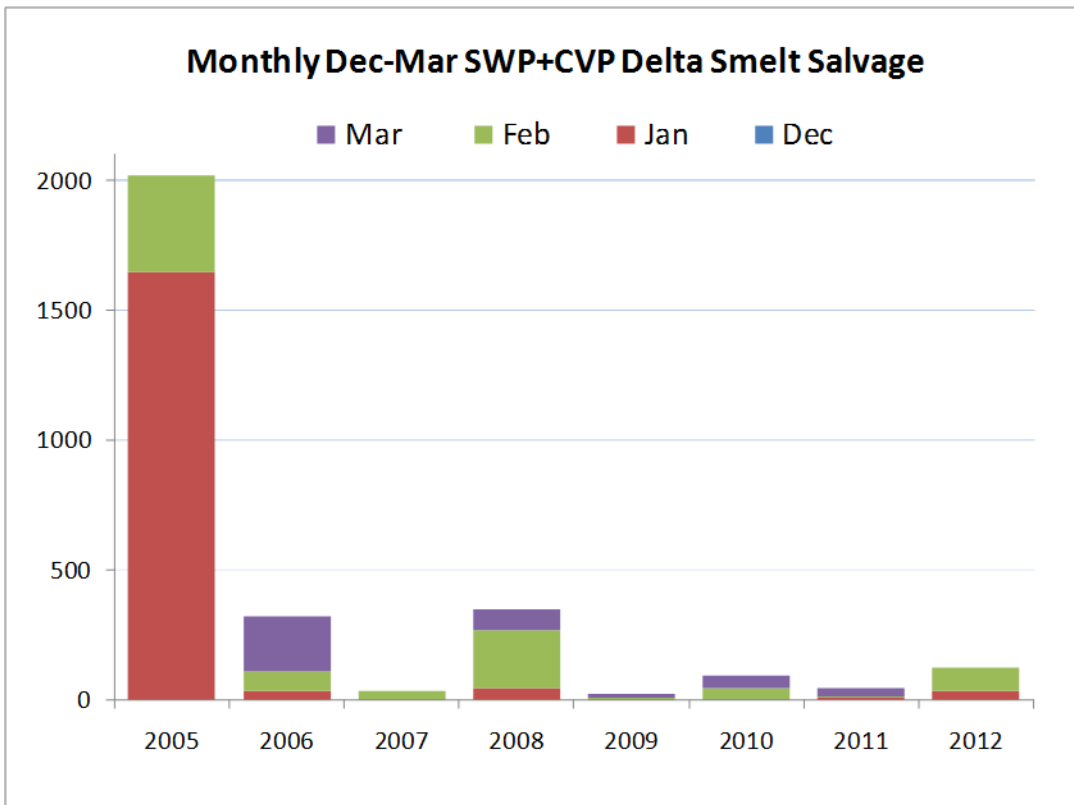




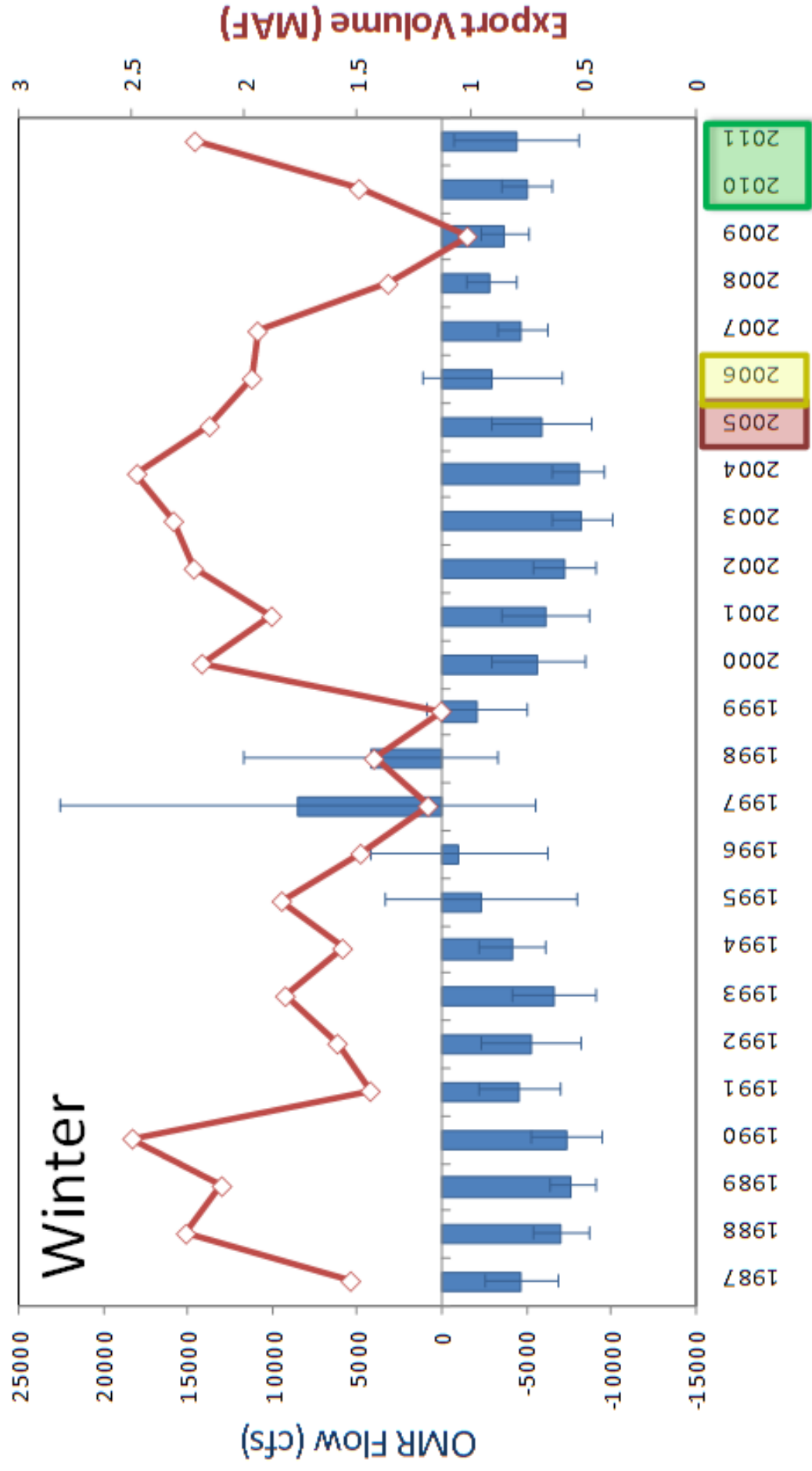


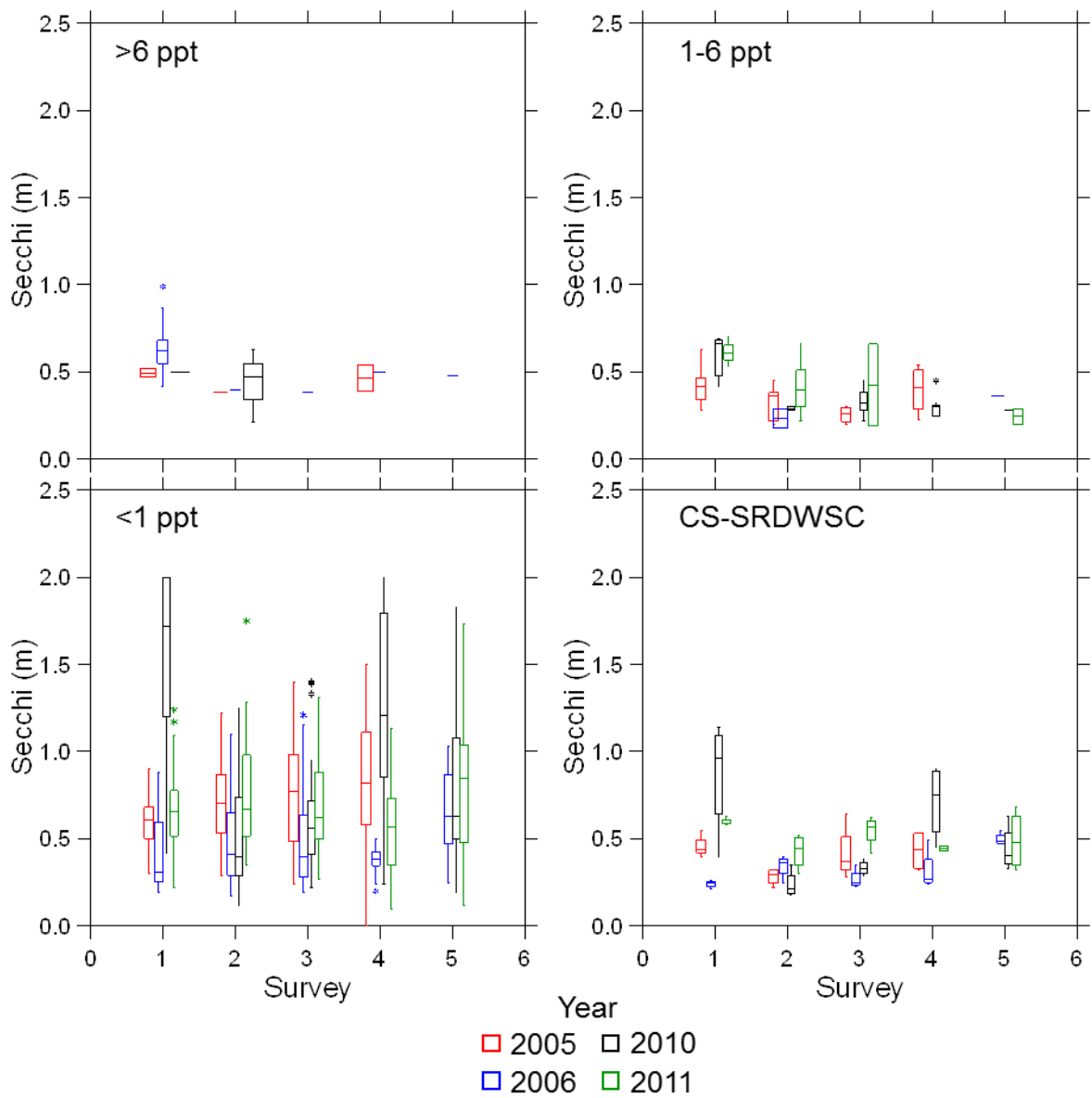


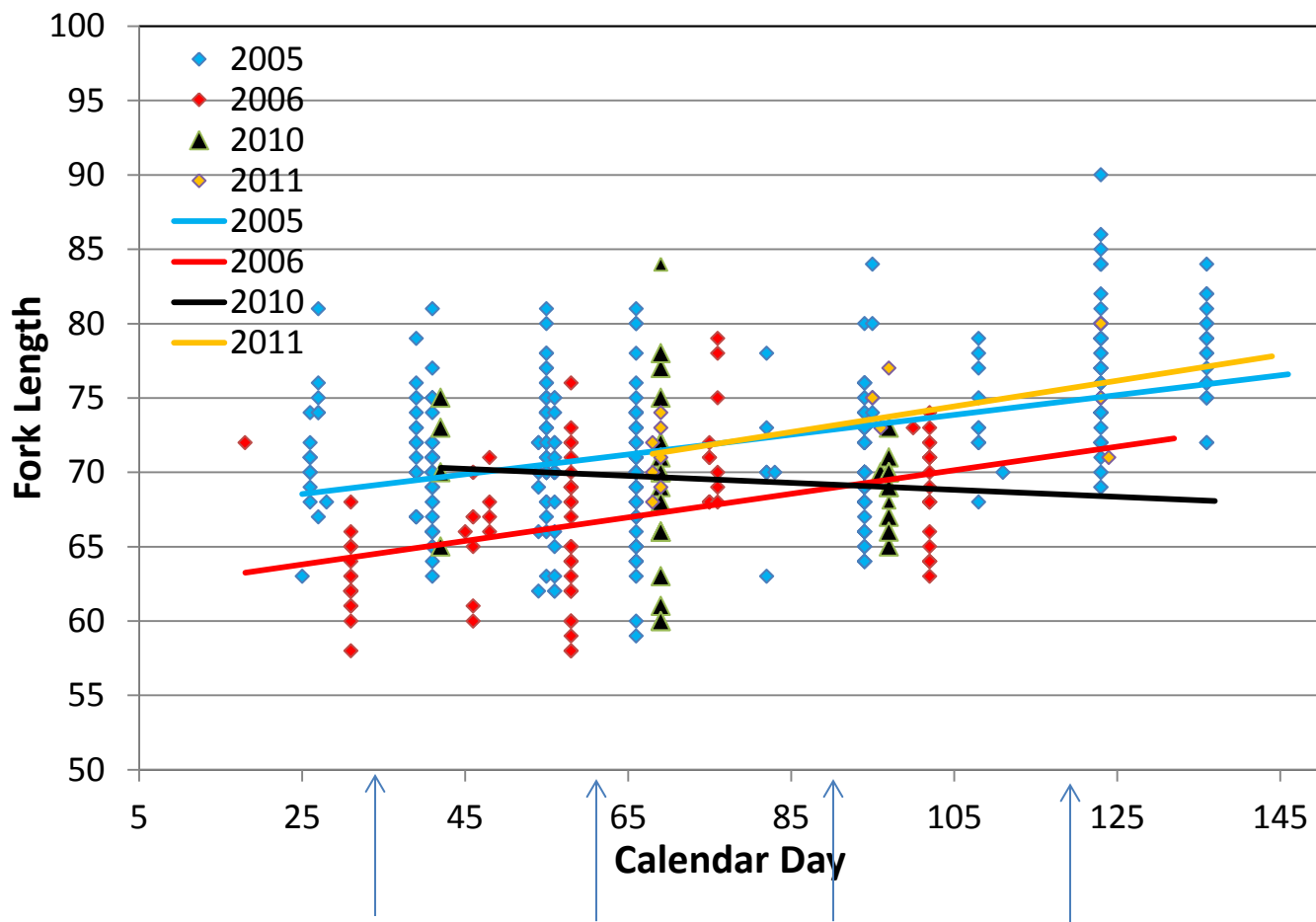


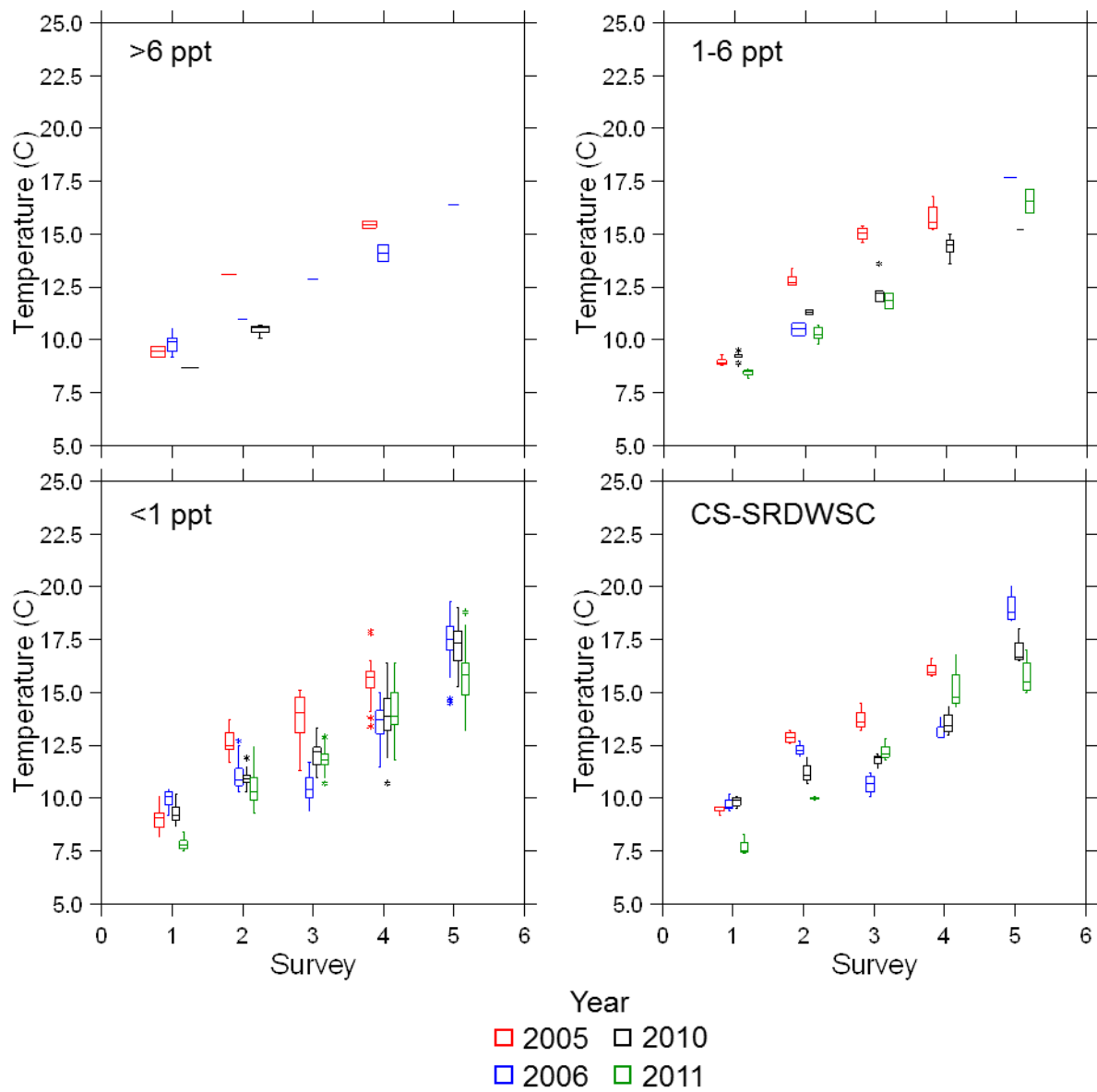


■ Average Dec-Mar OMR Flows $\pm$ 1 SD (cfs) ◆ Total Exports Dec-Mar (MAF)

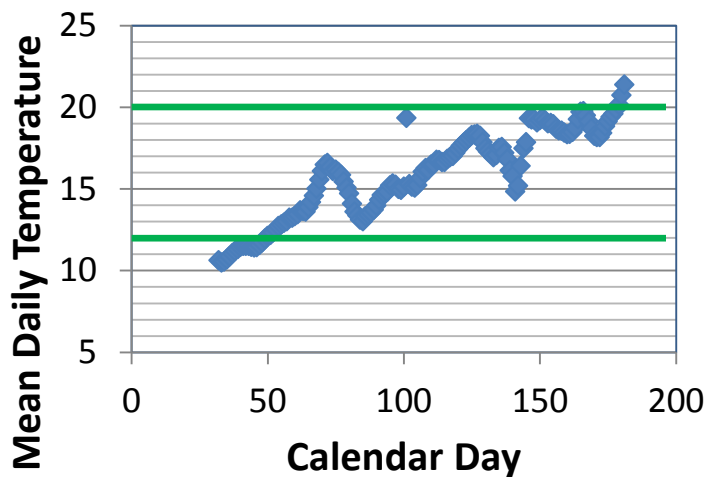




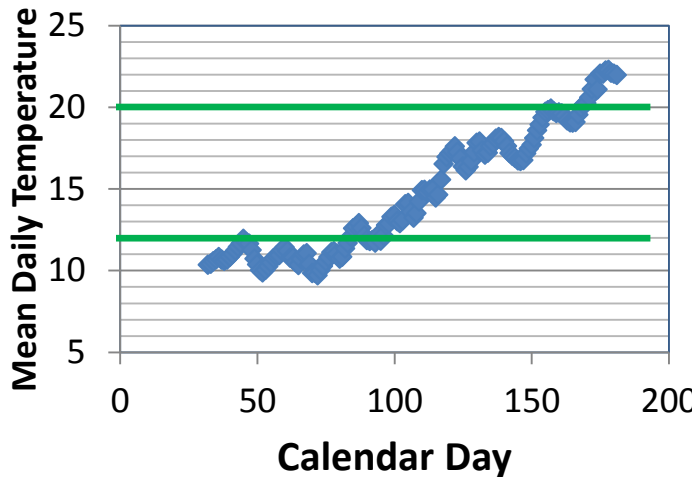




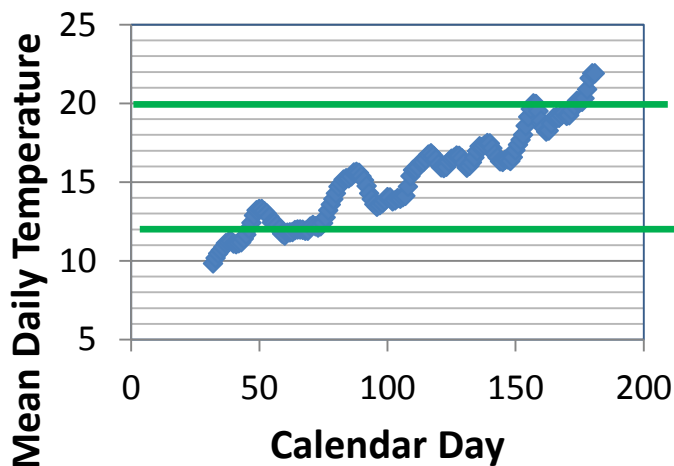
Rio Vista 2005 Temperatures



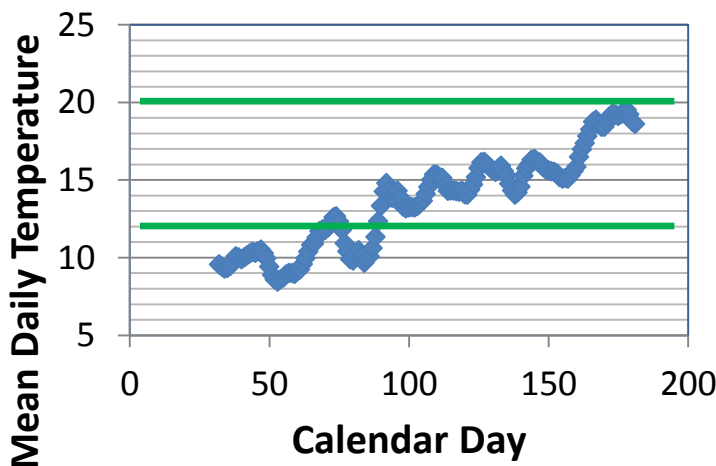
Rio Vista 2006 Temperatures

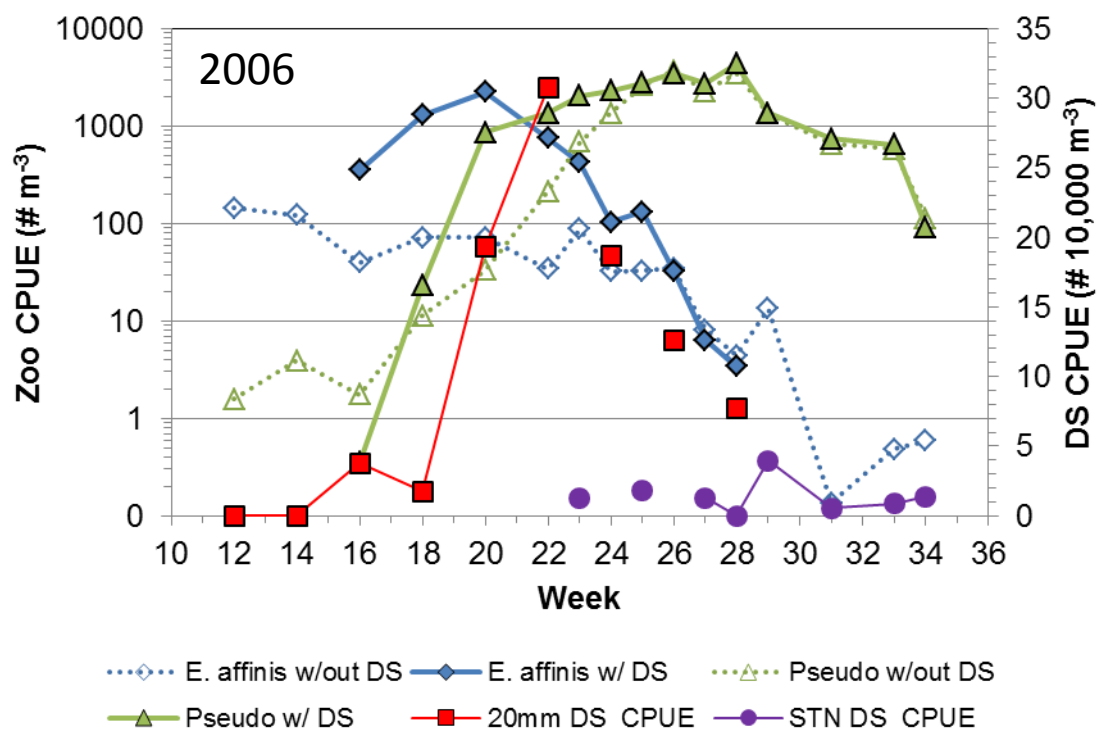
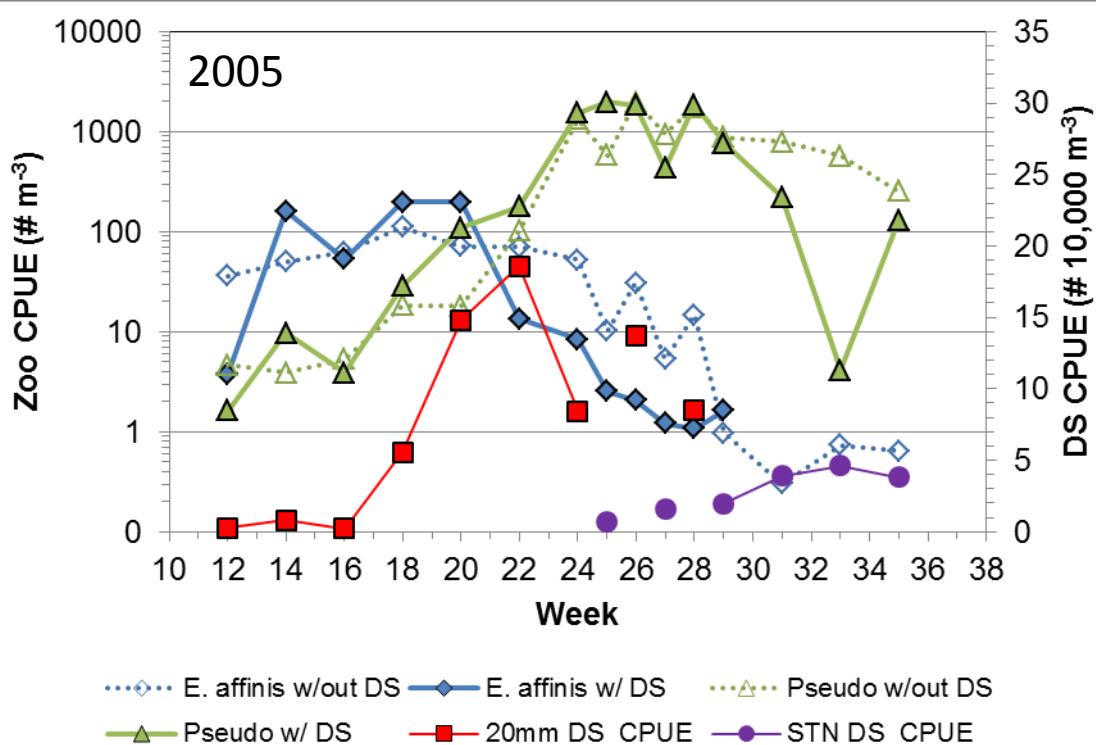


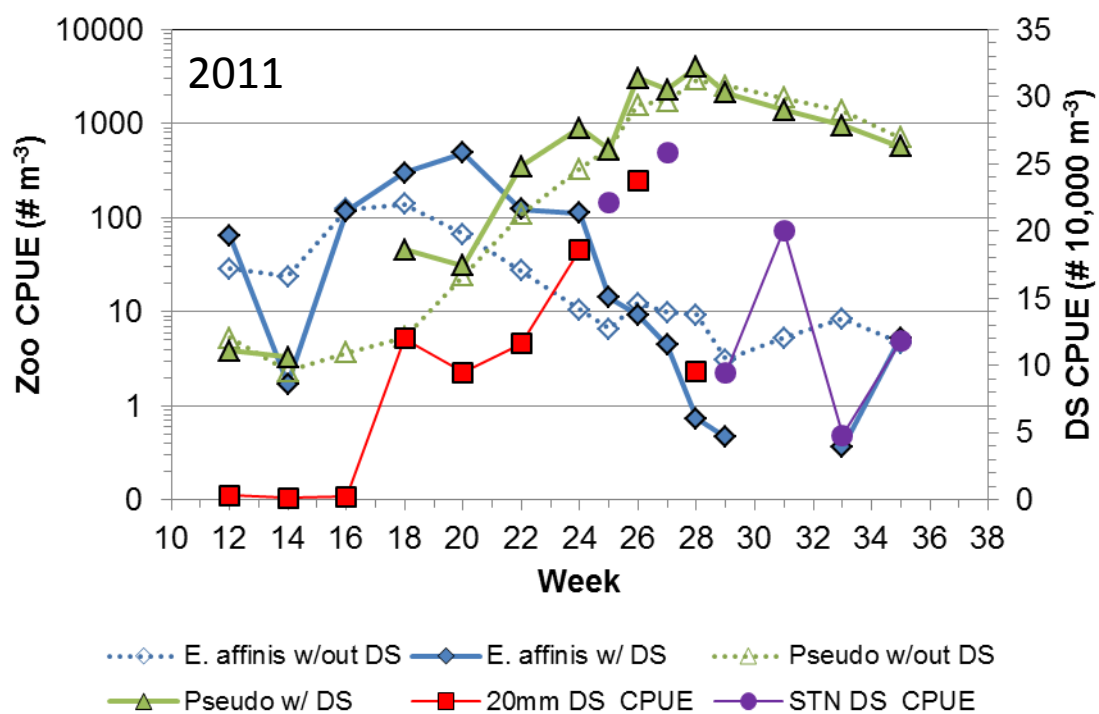
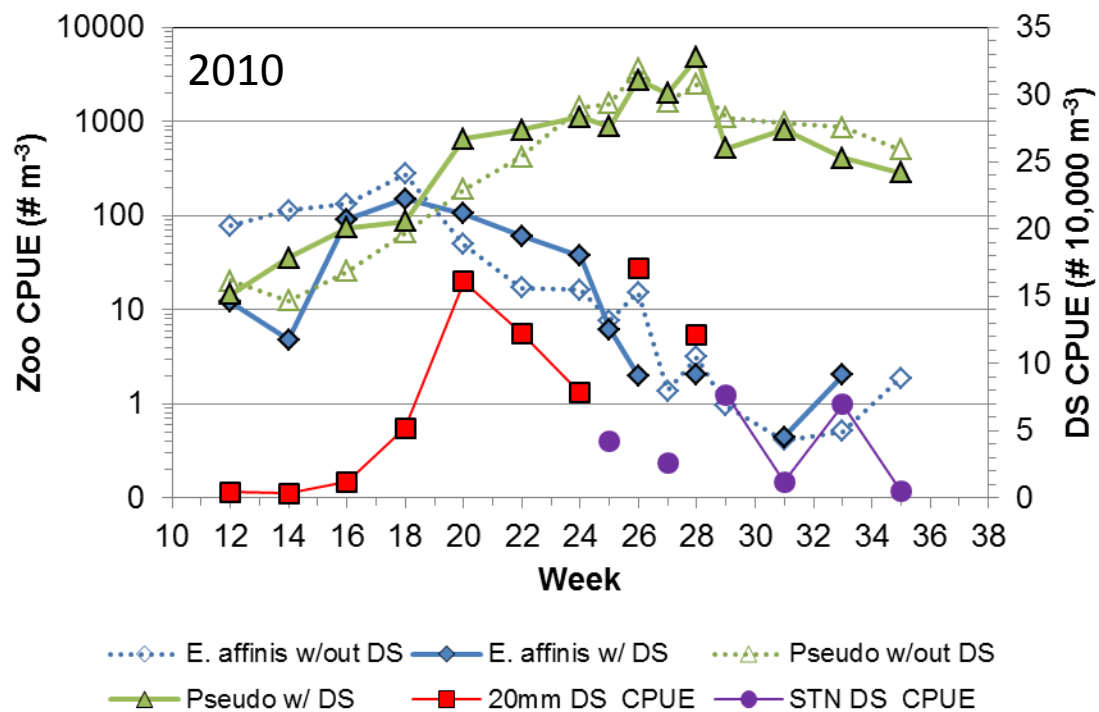
Rio Vista 2010 Temperatures

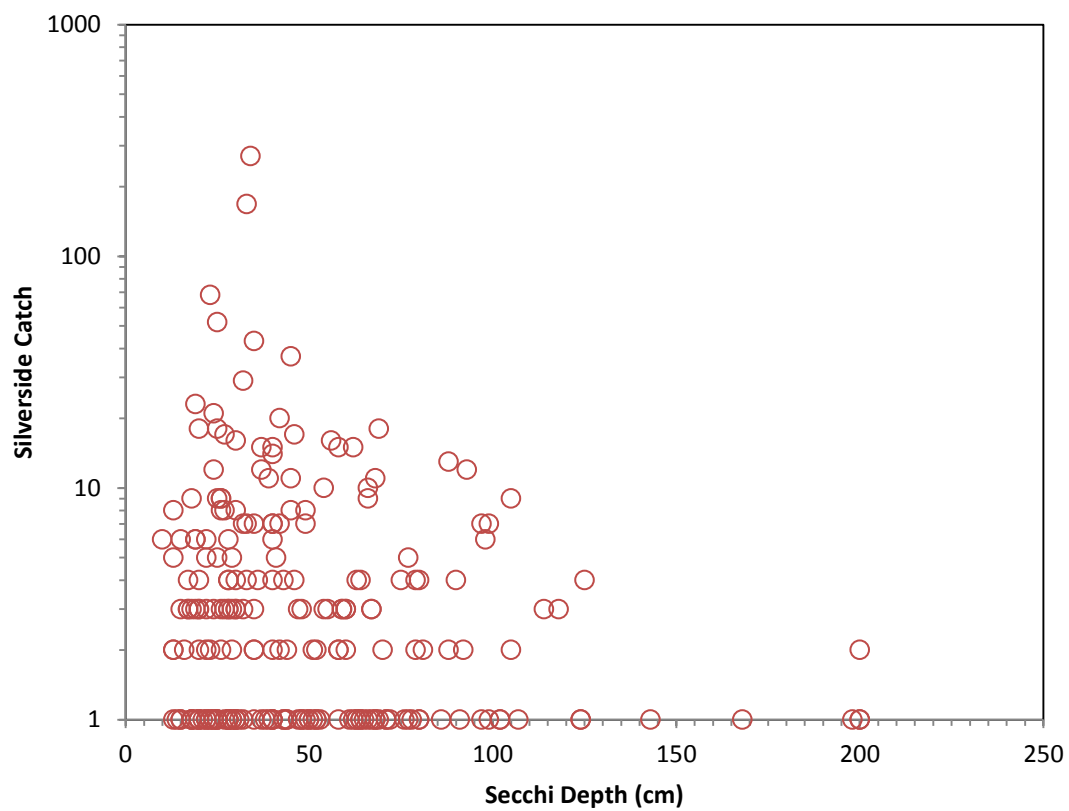


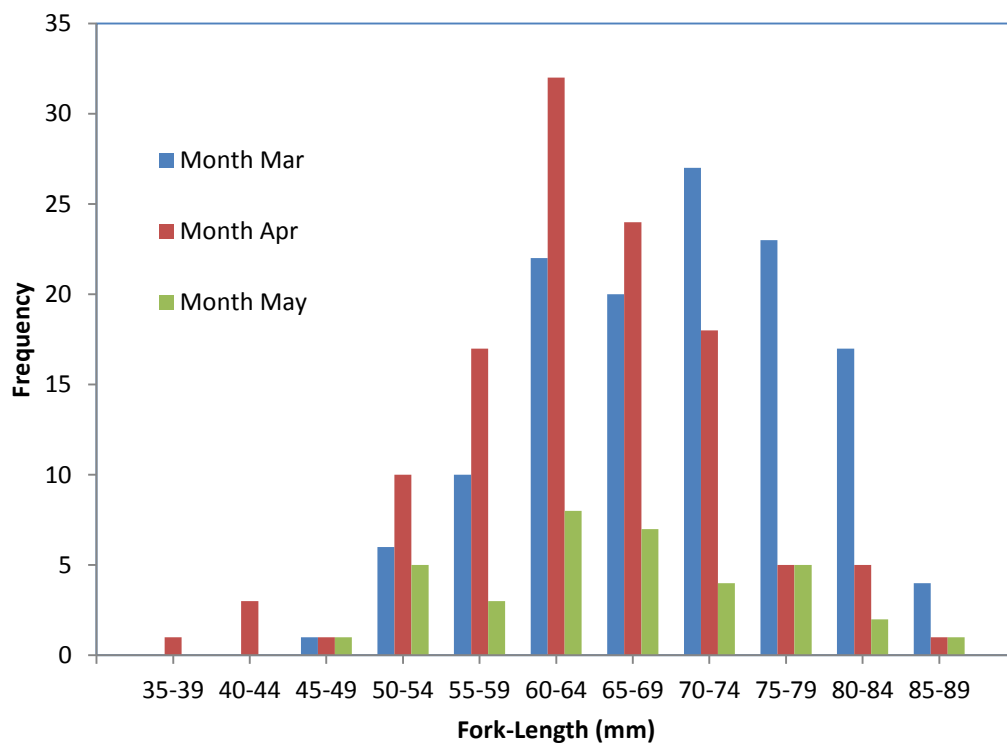
Rio Vista 2011 Temperatures

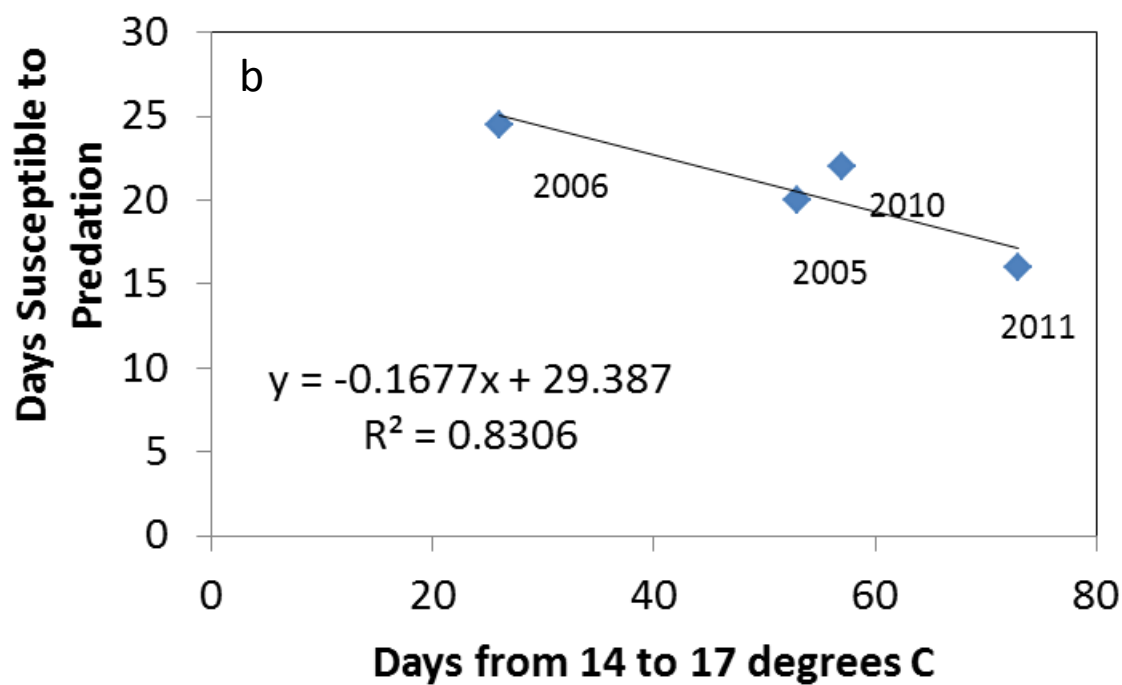
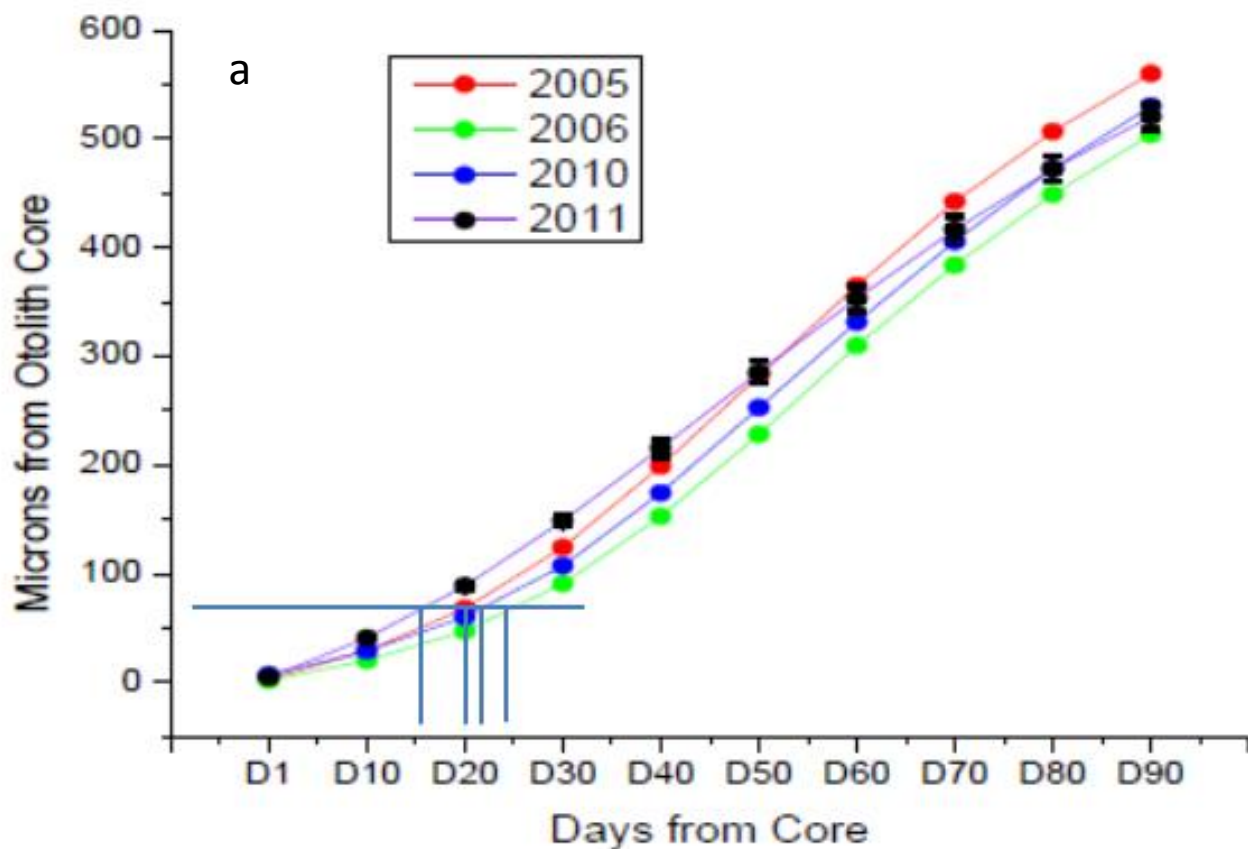


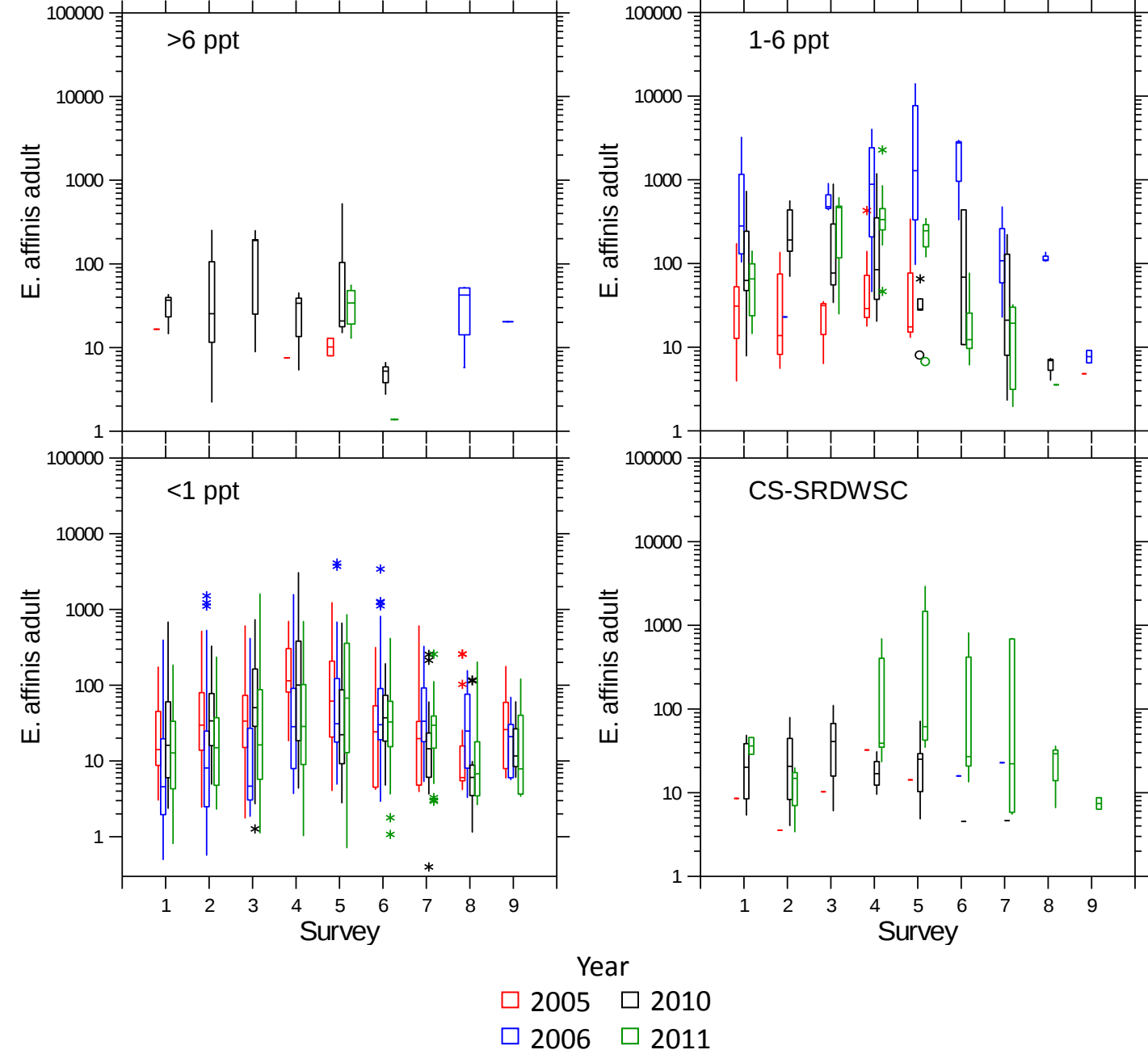


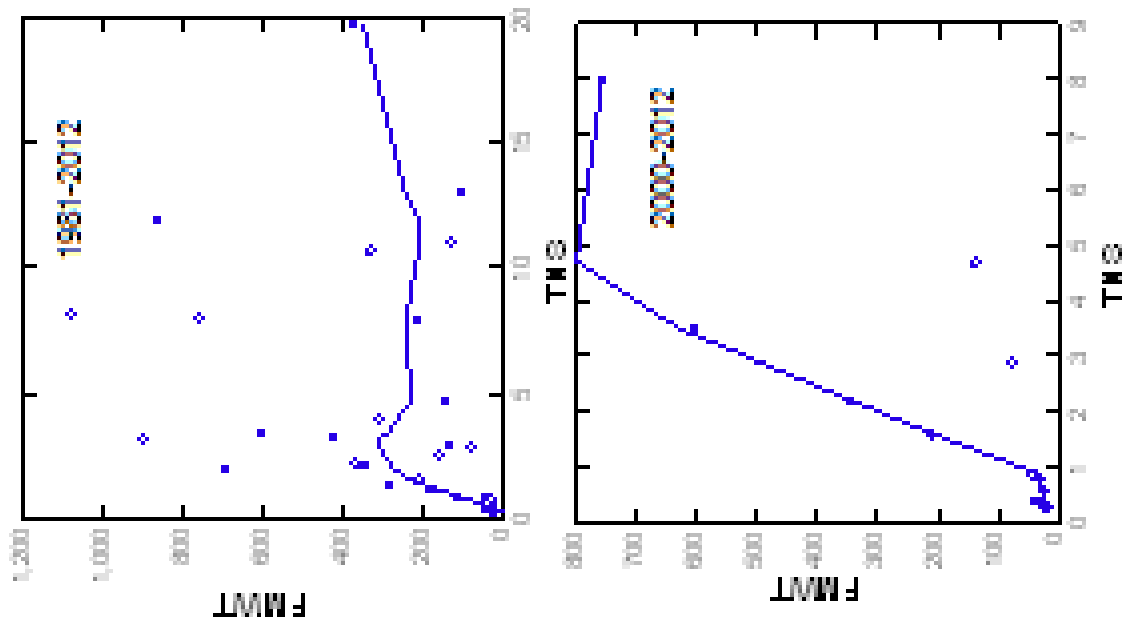
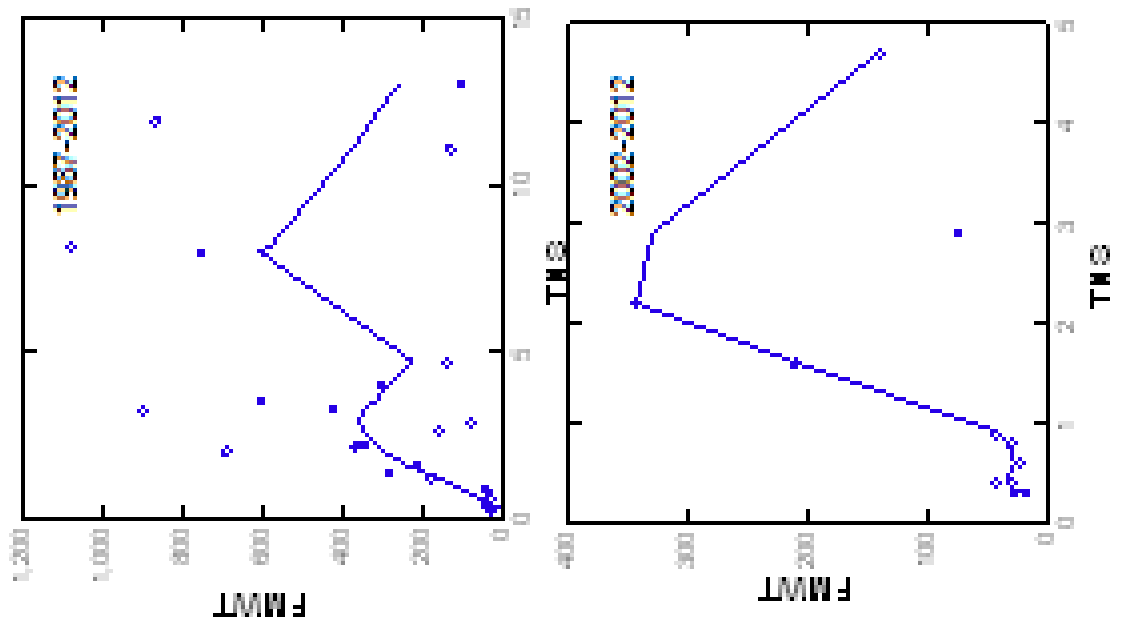


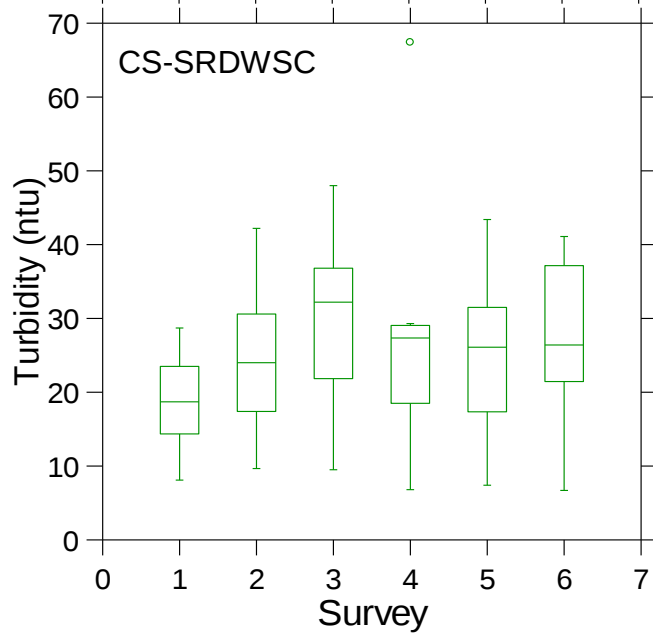
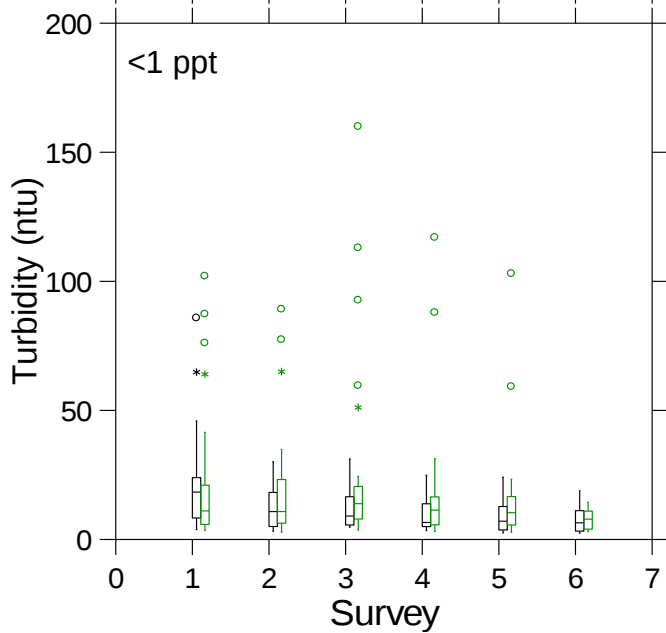
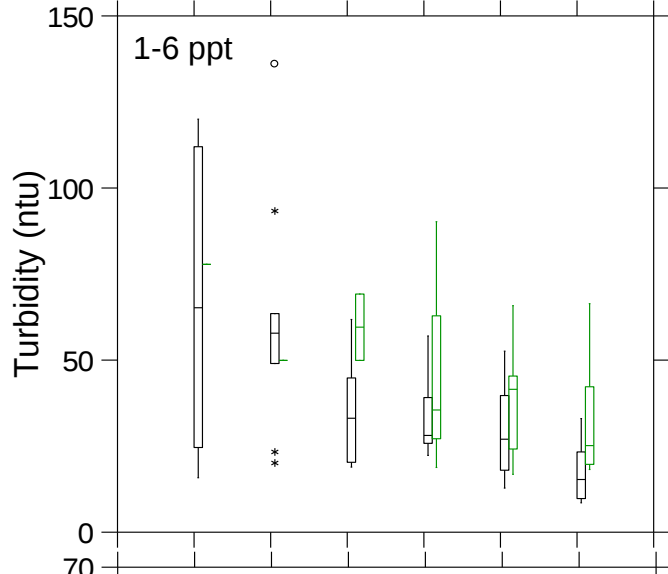
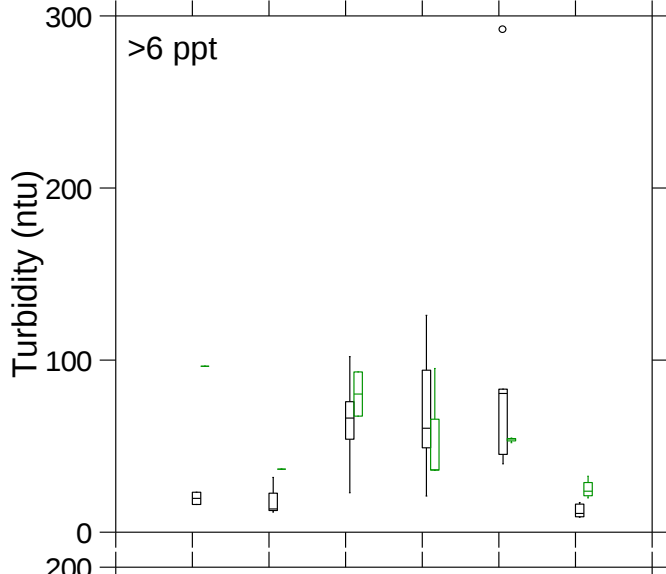




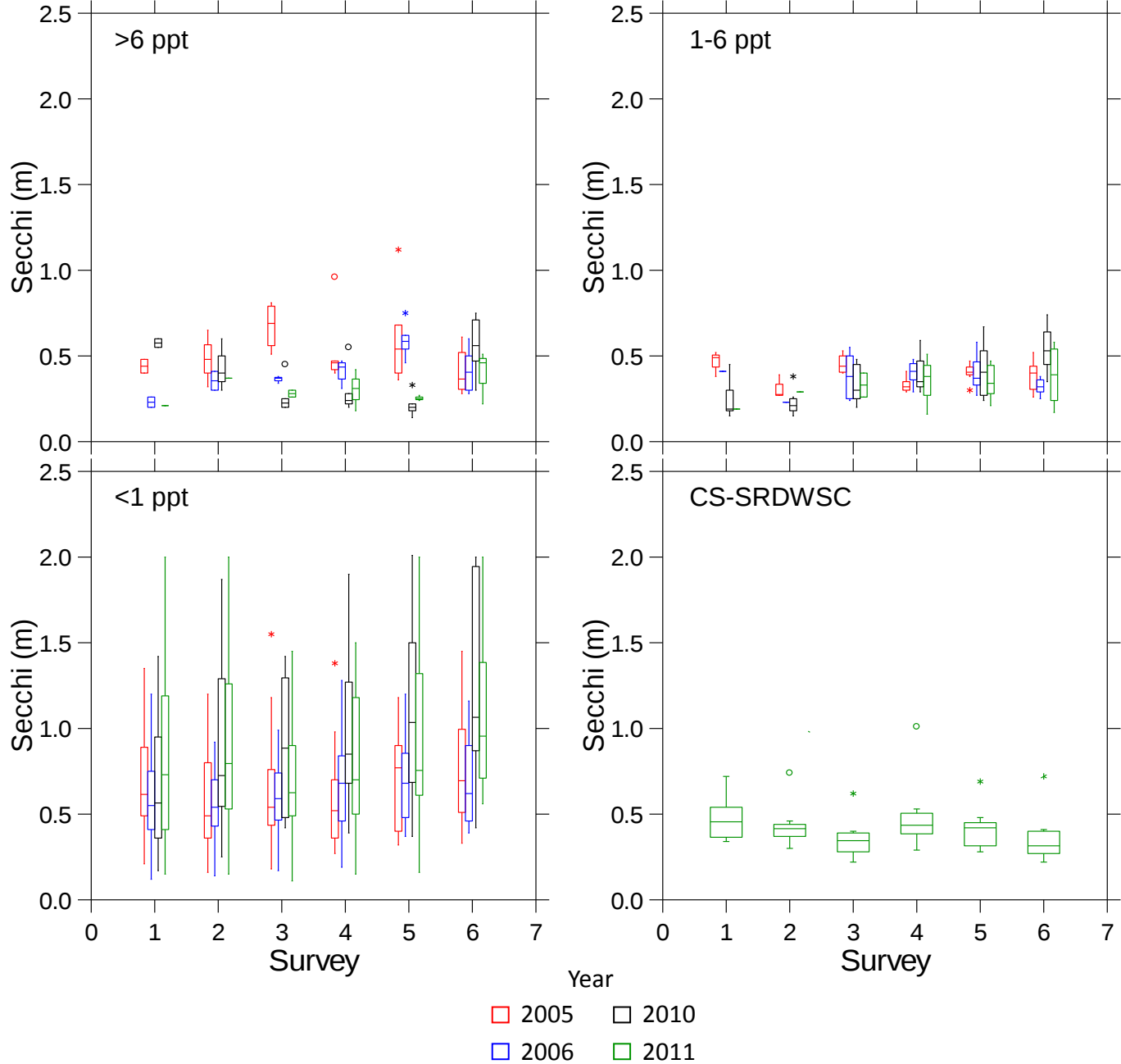








Year
□ 2010
■ 2011



Secchi depth data collected during the Summer Townet Survey. Surveys are conducted biweekly June-August.

