

Eastern Oyster Monitoring in Lake Worth Lagoon



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LWL Monitoring

3 Monitored Stations (Reefs)

Monthly Sampling

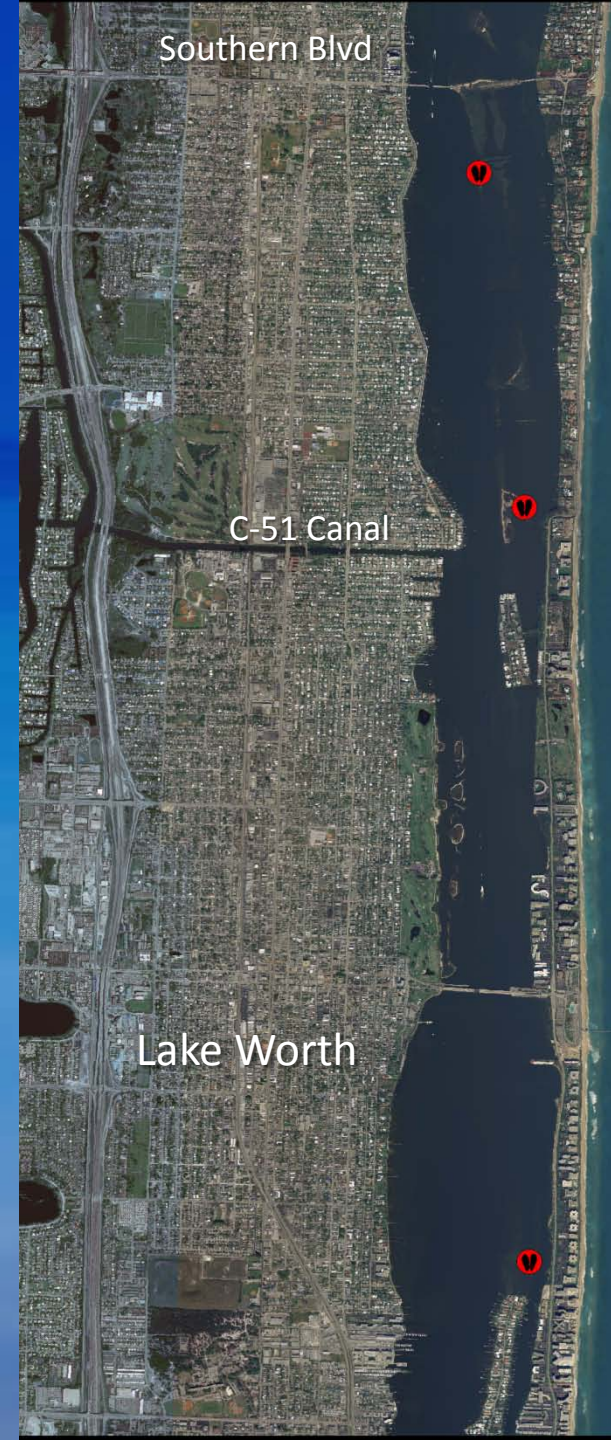
Juvenile Recruitment

Perkinsus marinus (Dermo)

Prevalence

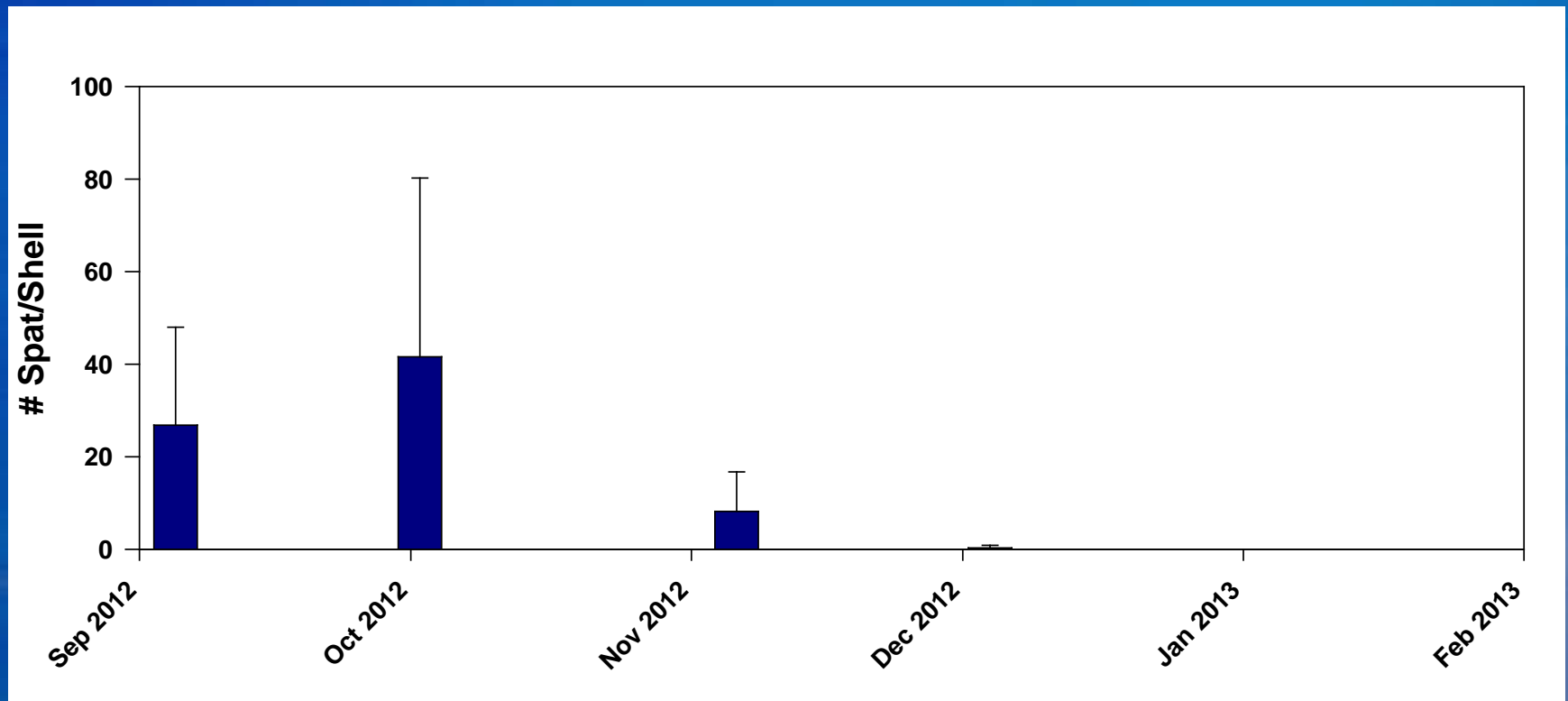
Intensity

Salinity



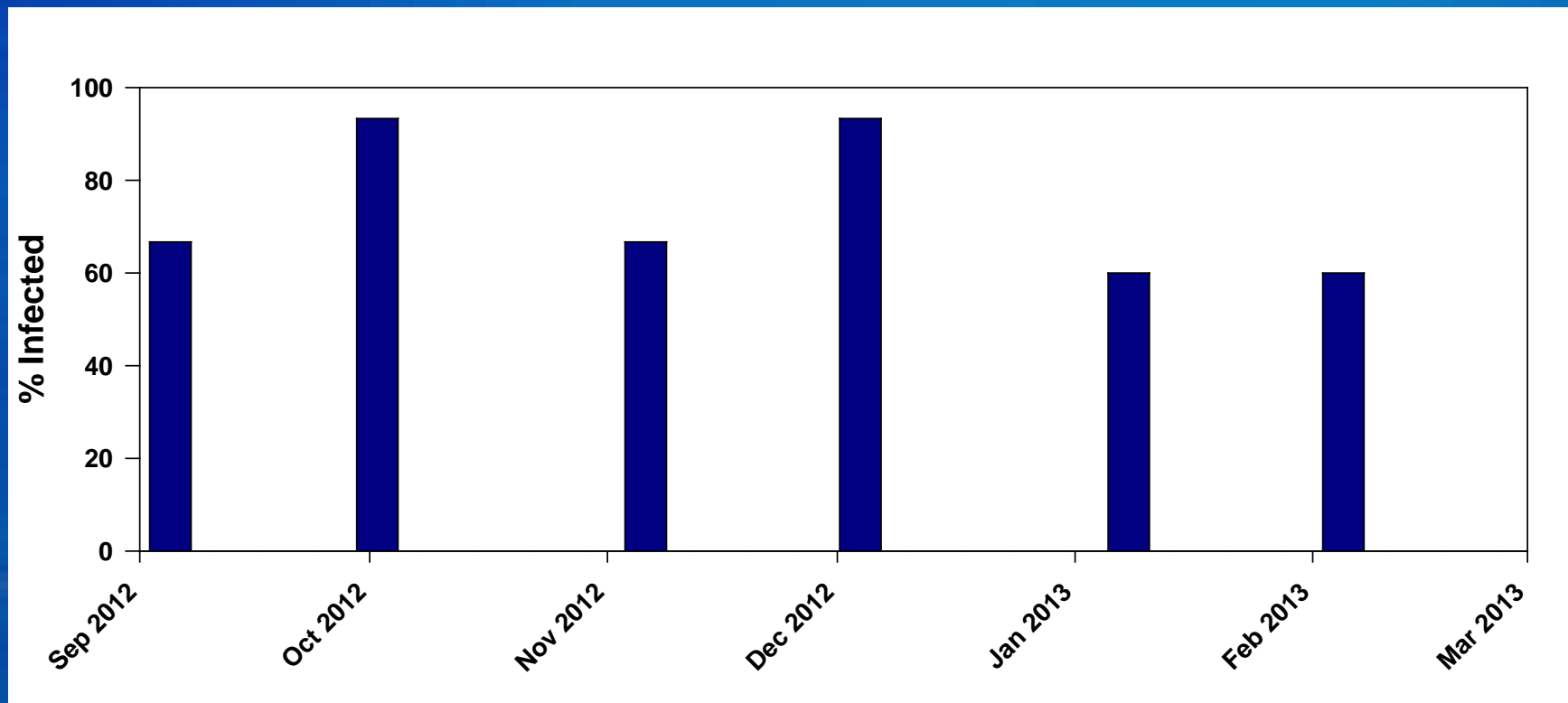
Juvenile Recruitment

- Fall recruitment peaked in October – 42 spat/shell
- Mean annual recruitment rate for 2012 highest measured to date – 10.69 spat/shell/month



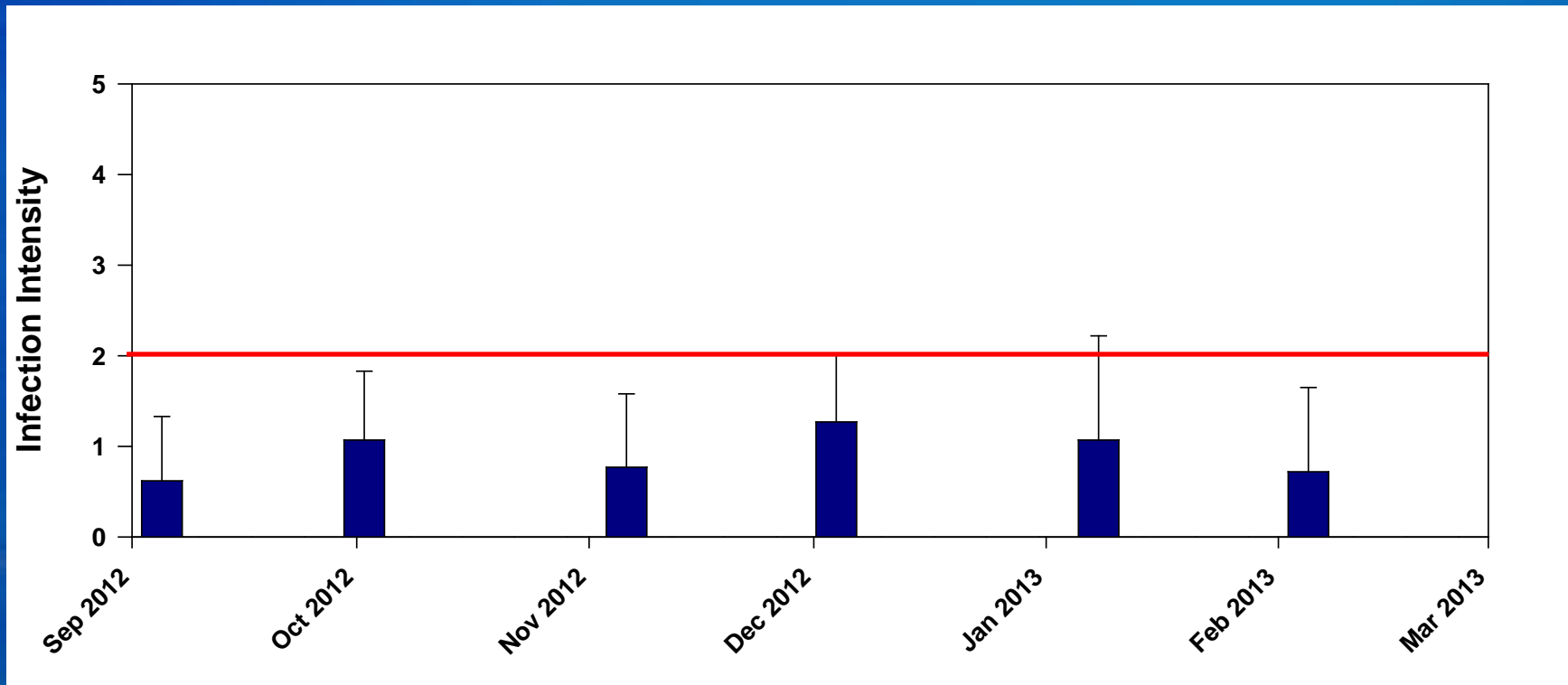
Dermo Prevalence

- Dermo remains prevalent – 60 to 93% infected
- More prevalent in 2011 and 2012
 - Ongoing drought has increased salinities



Dermo Intensity

- Despite high prevalence of disease, infection intensity remained low to moderate
 - Mean scores did not exceed level 2 – light/moderate



Salinity

- Salinity is generally high in LWL
- Salinity dropped to ~12 ppt in Sep and Oct following Hurricane Isaac
- Salinity >30 ppt for past three months

