

Colorado River Aquatic Biologists

Lake Powell 2014
Wayne Gustaveson

Utah DWR



Quagga Mussel Infestation

- Adult mussels found on boats and docks
- Harvested at marinas (400), canyon walls (800) and dam (100)
- None found upstream yet
- Prevention will continue
- Containment begins with educating departing boaters
- UT and AZ laws now apply to boats leaving park
- Boats must decontaminate before relaunching

Future of Fishery - Water Level

Year	High	Low
2002	3656	3620
2003	3619	3597
2004	3597	3564
2005	3608	3555
2006	3610	3588
2007	3611	3594
2008	3633	3588
2009	3642	3609
2010	3638	3618
2011	3660	3609
2012	3639	3609
2013	3609	3584

Fluctuating Lake Levels - LMB

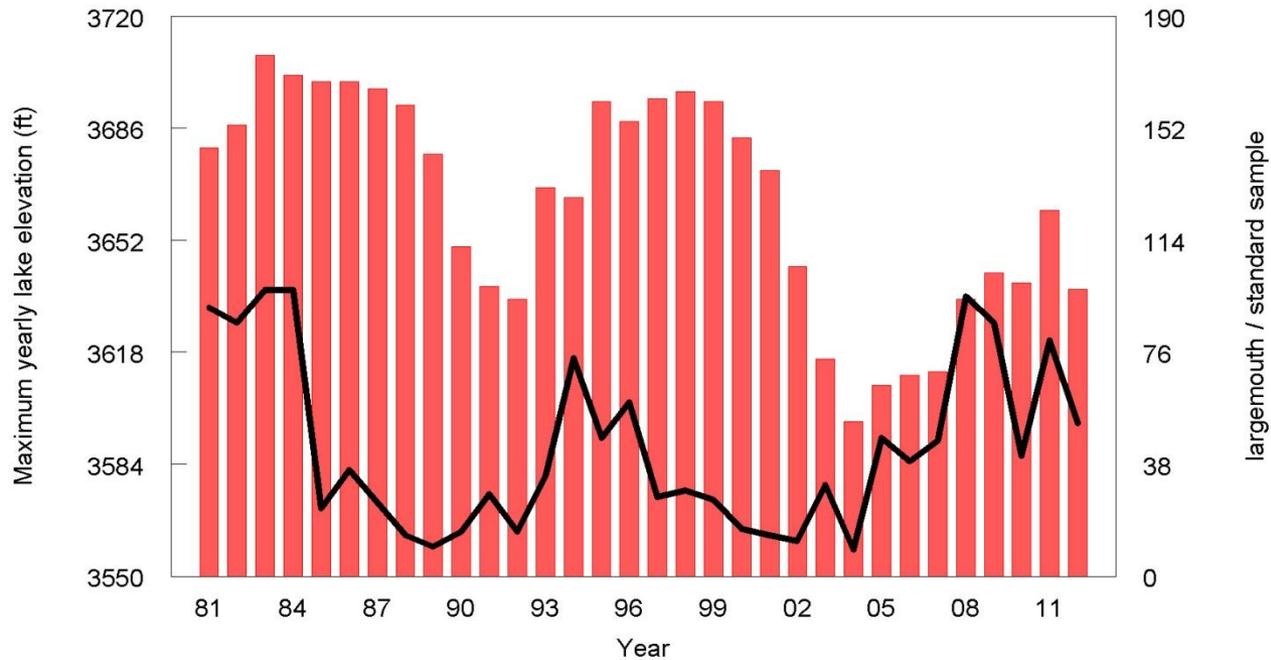
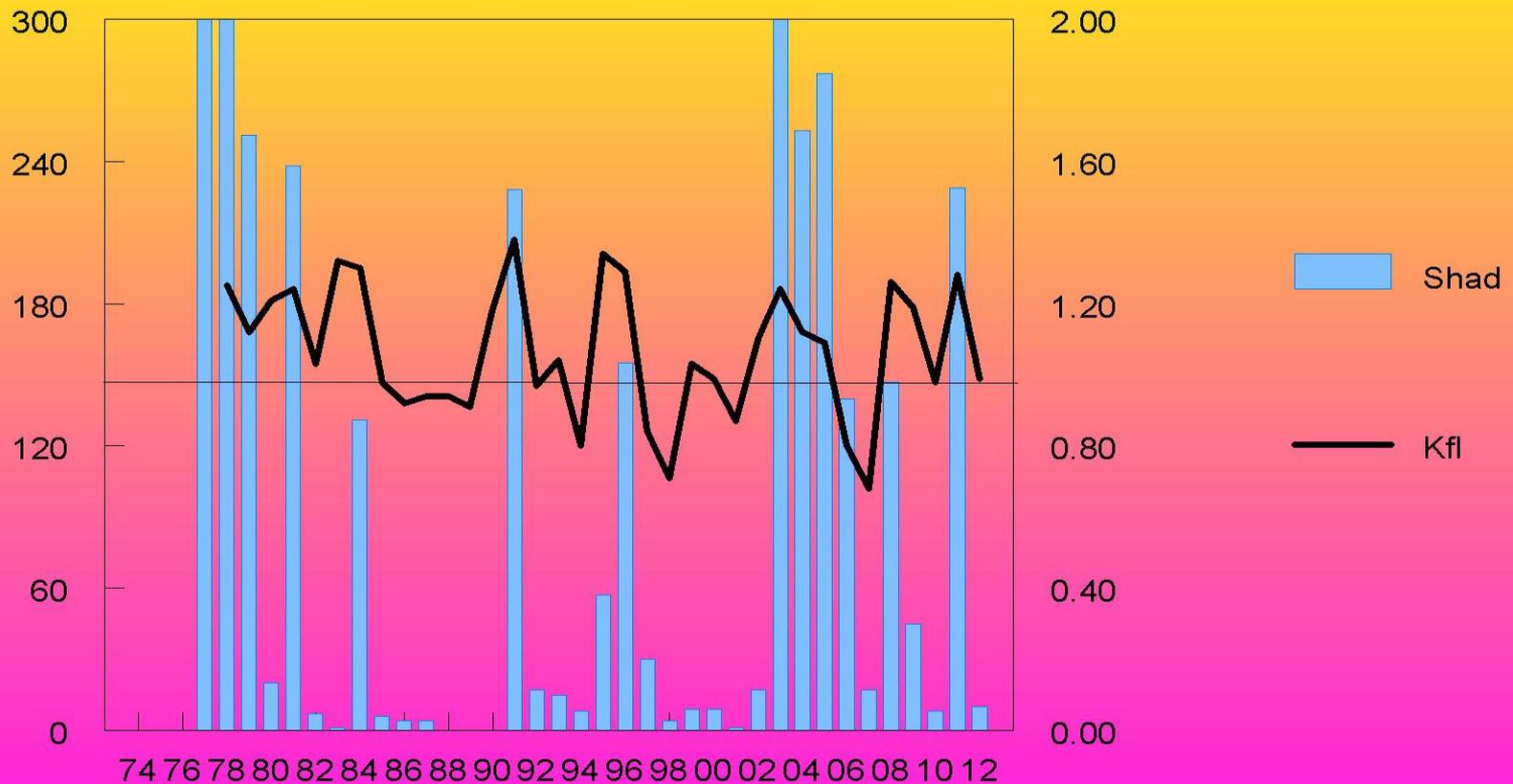


Table 1. Maximum lake elevation compared to annual largemouth bass abundance.

Striped Bass Need Forage

Shad Abundance - Striped Bass Condition



What Do Shad Need?

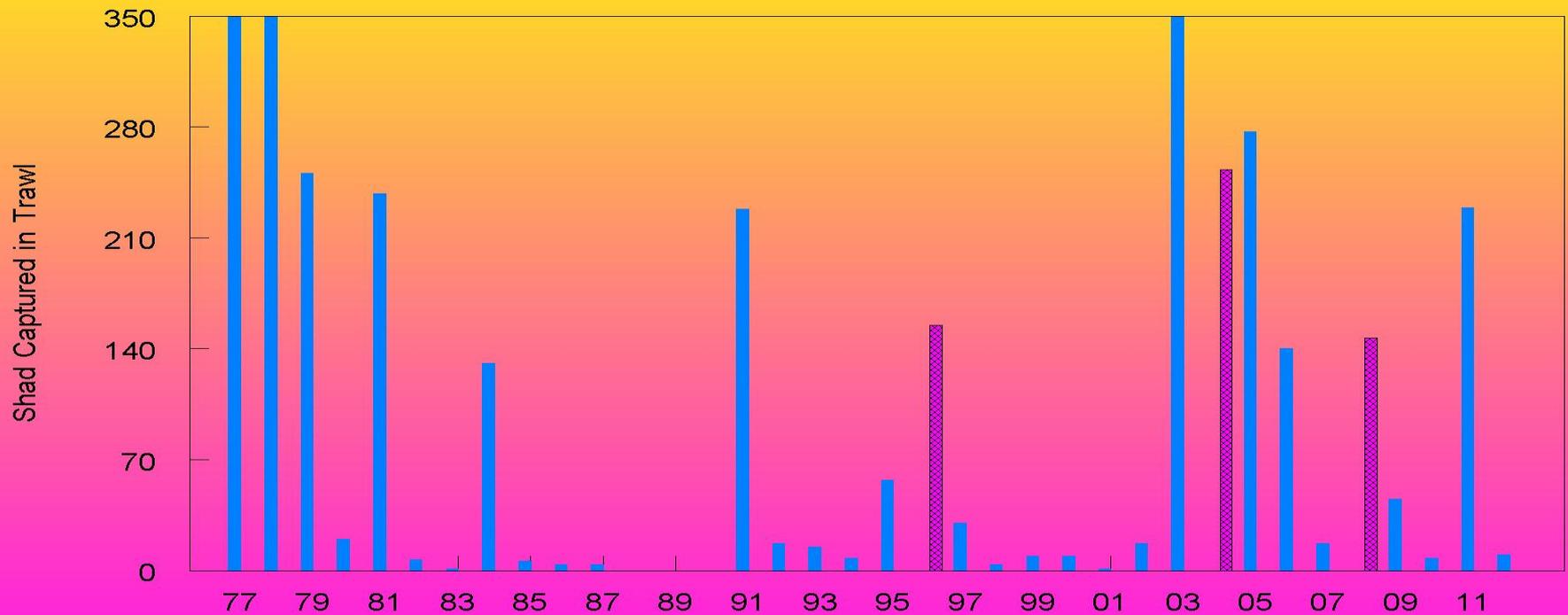


Figure 3. Annual shad abundance with High Flow Experiment years highlighted.

Summary

- Striper Population downsizing complete
- Fishery now dependent on rising water
- Brush for Bass
- Shad for Stripers
- Impact of November 2013 HFE unknown?
- HFE in March 2014 might have benefited LP Fish

Questions?

