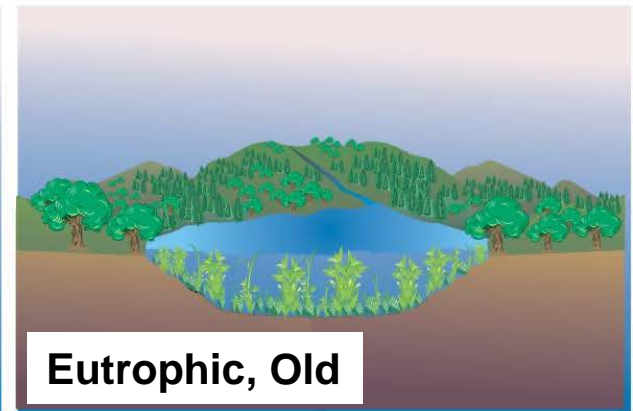
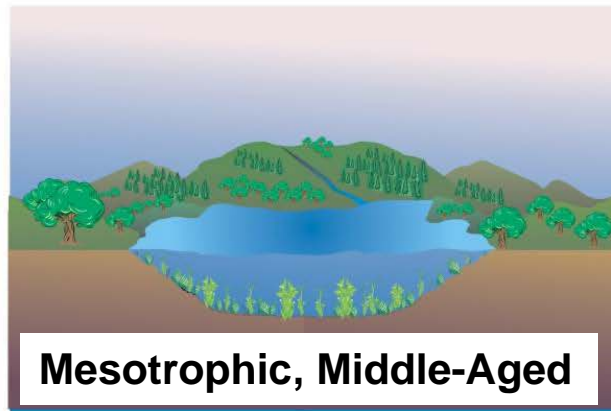
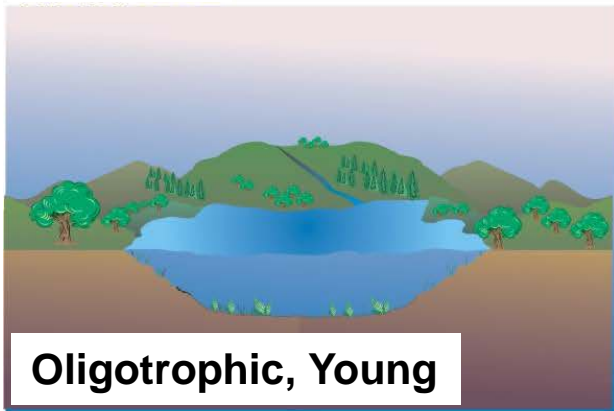


Summary of 2014 F.X. Browne Report

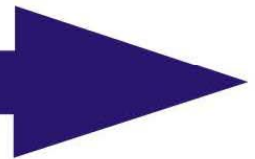
prepared by the
Silver Lake
Association Water
Quality Committee

Effects of Man on Lake Life Cycle

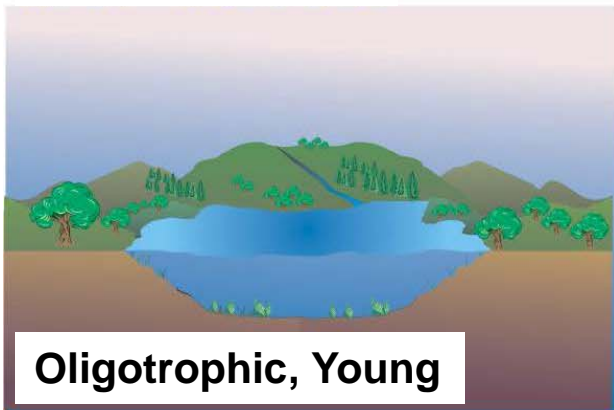
Natural



TIME



Man Induced



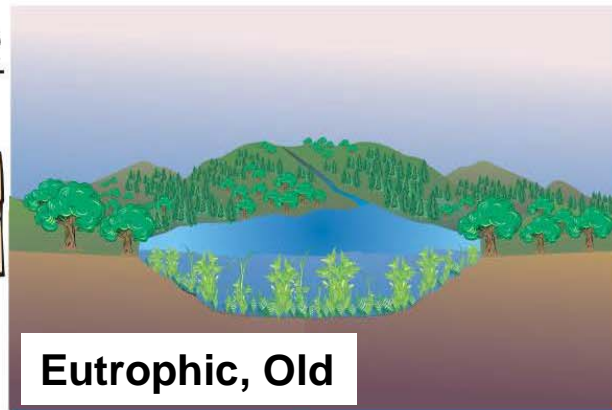
URBAN AND INDUSTRIAL RUNOFF



FERTILIZERS AND PESTICIDES



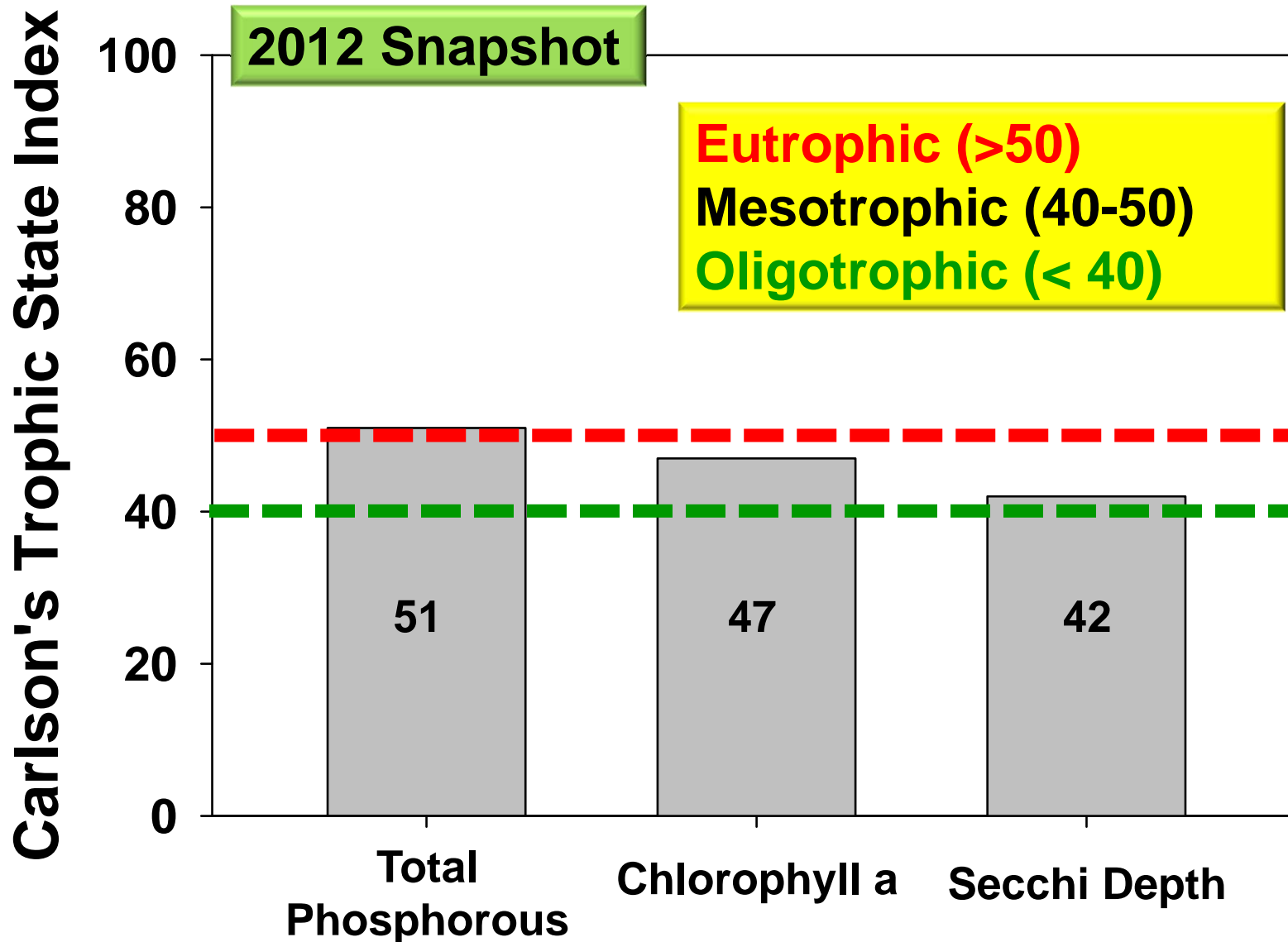
SEDIMENT



Accelerated Aging

Silver Lake: Current Status

Meso-eutrophic



Silver Lake: Last 25 Years

- ❑ **Based on Total Phosphorous:** Consistently eutrophic.
- ❑ **Based on Chlorophyll a:** No consistent long-term trend, improvement over the past 4 sampling years.
- ❑ **Based on Secchi disk depth:** No consistent long-term trend, improvement over the past 4 sampling years.

Action Items to Control Lake Influx

☐ Watershed

- Improve agricultural barriers
- Control soil and stream erosion
- Reduce storm water volume, improve sediment abatement

☐ Minimize nutrient influx into the lake

- Minimize lawn fertilizer use
- Contain flare debris with tins
- Do not feed waterfowl, pick up animal waste

☐ Control residential water influx into the lake

- Install and maintain rain gardens
- Use rain water capture barrels

A summary presentation from F.X. Browne and the complete 2014 F.X. Browne Report are available on the SLA web site.