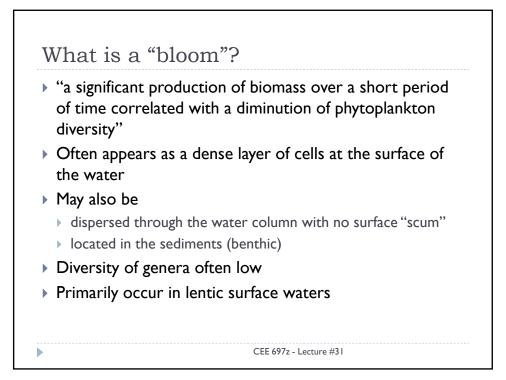
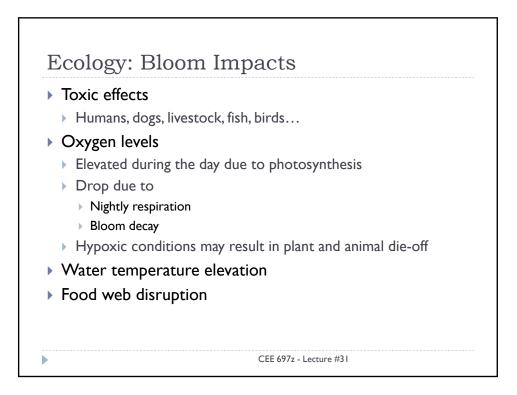
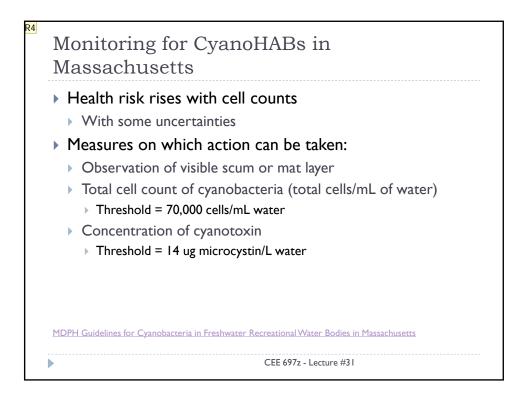


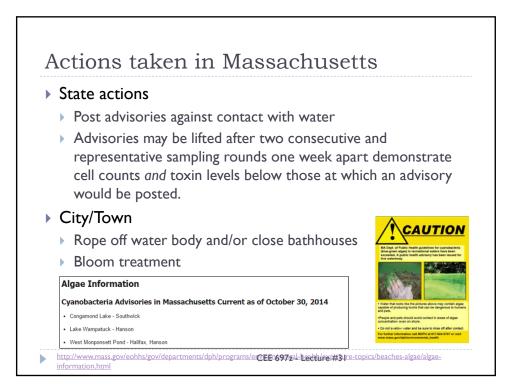
Slide 3

R3 Get more pictures of habitat! Find pictures of cyanobacteria in flowing streams! RWeiter, 11/13/2014



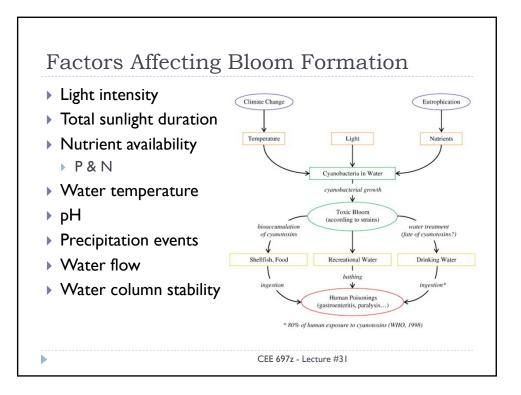


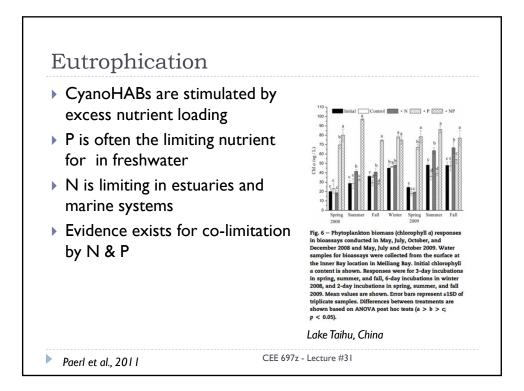


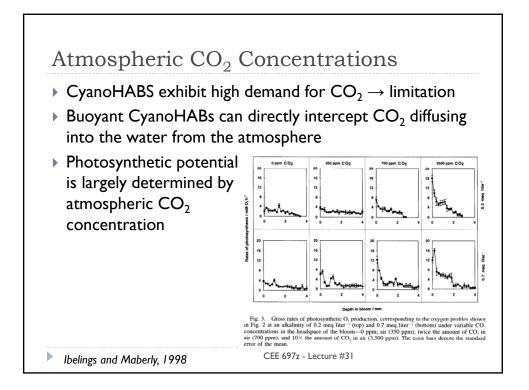


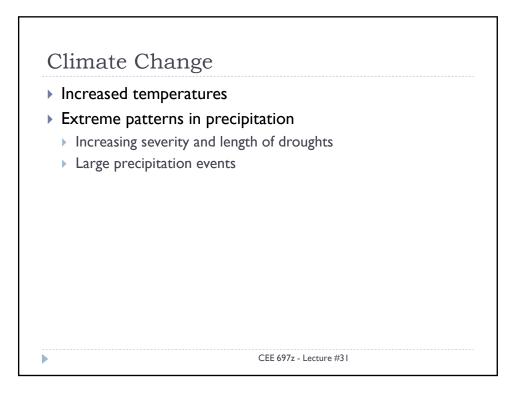
Slide 7

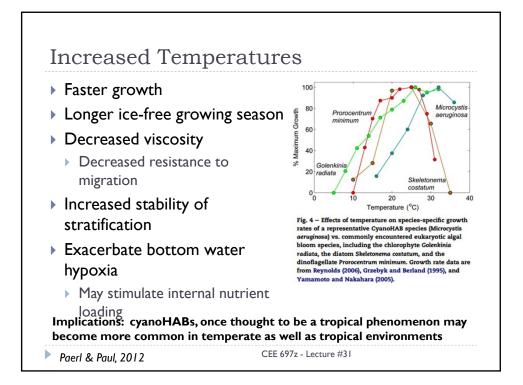
R4 Add photos of ponds I sampled RWeiter, 11/13/2014

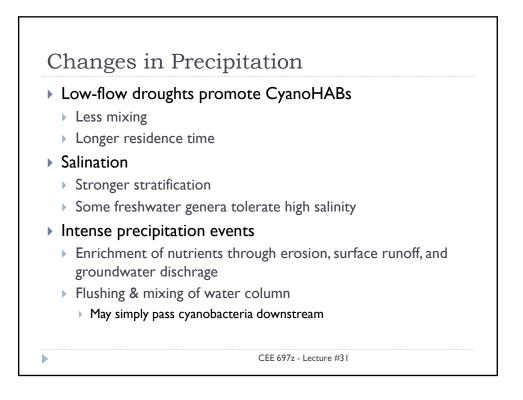


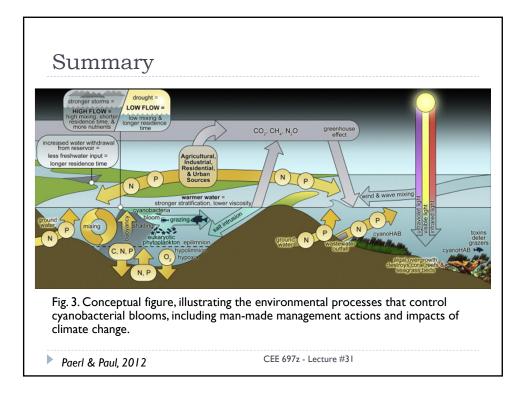


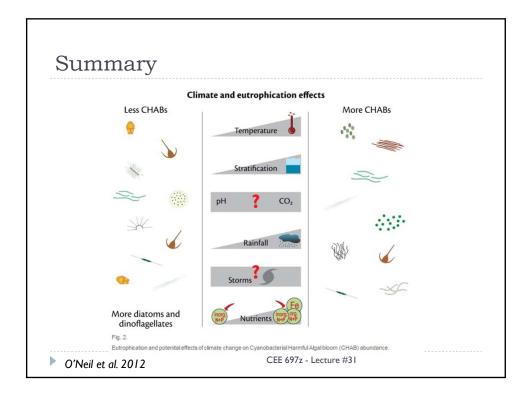


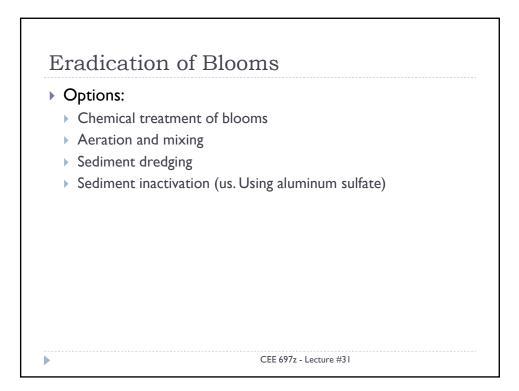


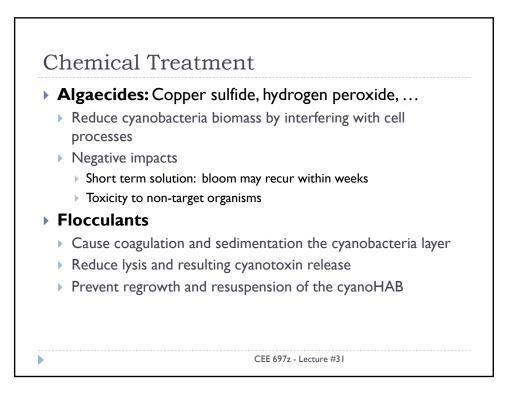


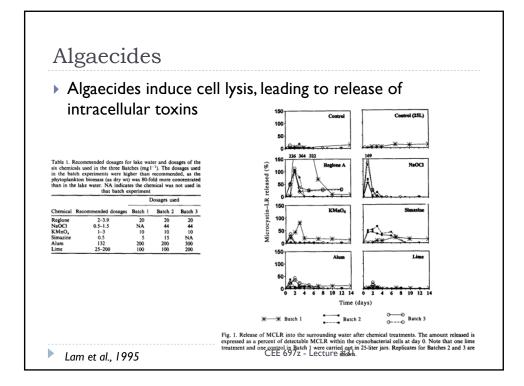












Method or technique	easures for management of cyanobacterial blooms. Advantages	Disadvantages
Metals with the mode of action based on cell toxicity (copper, silver)	- Extremely low price	- Toxicity against non-target species
(copper, siver)		 Accumulation in the environment Release of toxins after treatment
Metals as coagulation agents (aluminum, iron, calcium)	- Extremely low price	- Can influence pH values in water body
	 Low toxicity against non-target species if used correctly Suitable for phosphorus removal as well Long-term effects if used in water bodies with high residence time 	- Short-term effect if used in water bodies with low residence time
Hydrogen peroxide	- Low price	 Risky manipulation with concentrated hydrogen peroxide
	 Low toxicity for non-target species Fast degradability Selective towards cyanobacteria High toxicity towards photoautotrophs 	 Fast degradability (short time of action) Insufficient knowledge about toxicity towards fish
		and macrophytes
	- Biodegradable	- Blue/green coloration - Insoluble in water
Titanium dioxide and other insoluble photosensitizers Herbicides (diuron, endothal, atrazine, simazine and others)	 Toxicity towards photoautotrophs via ROS production Low price 	- Insoluble in water - Toxicity against non-target species
	- Toxicity towards photoautotrophs	 Accumulation in the environment Toxic residues Release of toxins after the treatment
Chemicals derived from natural compounds	- Effective in low concentrations	 Preparation of extracts or isolation of alkaloids in high amounts
	 Biodegradable Natural products 	- Unknown toxicity towards other non-target species - Price for extraction/synthesis

