



Гехаs Surface Water Quality Standards		
Substance	Eagle Mountain Reservoir Concentration	TCEQ Standard
Chlorophyll-a	16.3 ug/L	17.78 ug/L*
Phosphorus	.059 mg/L	.069 mg/L**
Dissolved Oxygen	7.5 mg/L	5.0 mg/L
рН	7.8	6.5-9















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Proposed Numeric Criteria - Chlorophyll-a

- Chlorophyll-*a* is the primary photosynthetic chemical found in algae and an indicator of the free floating algae in water
- Chlorophyll-*a* in the water column also reduces the amount of light available to rooted aquatic plants
- TCEQ proposed Chl'a Criteria: 17.78 ug/L*
- Annual Median Water Intake (Chl-*a* is controlled through measures that limit the loadings of nitrogen & phosphorus

*Per draft TCEQ Nutrient Criteria - Jan 7, 2009



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Trending Conclusions

- Clarity of the Reservoir is Improving
- Nutrient levels are Increasing
- Chl "a" or algae is Increasing

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Water Quality Concerns

- Sediment Loading
- Nutrient Loading
- Bacteria