

## December 2010 Bear Lake/ Seminole Carp update

- Bear Lake had approximately 200 acres of the 310 acre lake covered with submerged vegetation in December of 2009
- Bear Lake now has 3100 carp, 1500 are 1 year old and 1600 are 9 months old
- By putting in 3100 carp for 200 acres of vegetation, there are 15.5 fish per submerged plant acreage
- The young carp have removed all hydrilla and most of the stonewort & southern naiad. They are nibbling on the torpedo grass along the shorelines as well as other tender vegetation
- The carp will eat tender young plants and the grasses hanging into the lakes from residents' lawns before they will eat the older tough eelgrass
- Eelgrass is predominate and still a nuisance to residents as it breaks off & winds take it to the shorelines
- Carp will start eating the eelgrass after all other vegetation is gone or unreachable since eelgrass is # 15 on their list of desirable plants
- Residents need to have patience with the young carp as they slow down eating when the water temperatures are cold.
- The 3100 carp may start making a difference after the summer of 2011. They will have had 2 warm summers and be almost 2 years old going into autumn. Keep in mind; they have to finish their favorites before they will get to the eelgrass.

### Carp favorites:

Preference	Common Plant Name	Scientific Plant Name
1.	Hydrilla	<i>Hydrilla verticillata</i>
2.	Musk-grass	<i>Chara spp.</i>
3.	Southern naiad	<i>Najas quadalupensis</i>
4.	Brazilian elodea	<i>Egeria densa</i>
5.	Water-meal	<i>Wolffia spp.</i>
6.	Duckweeds	<i>Lemna spp. And Spirodela spp.</i>
7.	Azolla or water-fern	<i>Azolla caroliniana</i>
8.	Pondweeds	<i>Potamogetan spp.</i>
9.	Coontail	<i>Ceratophyllum demersum</i>
10.	Torpedograss	<i>Panicum repens</i>
11.	Cat-tail	<i>Typha spp.</i>
12.	Water-aloe	<i>Stratiotes aloides</i>
13.	Watercress	<i>Nasturtium officiale</i>
14.	Eurasian watermilfoil	<i>Myriophyllum spicatum</i>
15.	Tapegrass or eel-grass	<i>Vallisneria americana</i>
16.	Parrott-feather	<i>Myriophyllum aquaticum</i>
17.	Water hyacinth	<i>Eichhornia crassipes</i>
18.	Water-lettuce	<i>Pistia stratiotes</i>
19.	Water-lillies	<i>Nymphaea spp.</i>
20.	Spatterdock	<i>Nuphar luteum</i>