

Orange Creek Basin SWIM

Goal



Preserve, restore and maintain aquatic and wetland resources in the basin while enhancing, to the greatest degree feasible, those recreational and cultural values associated with these resources



Restore and maintain the basin's natural hydrology to the extent practicable and desirable,

Restore and protect aquatic and wetland communities and their habitats,

Protect and enhance water quality,

Rehabilitate and maintain fisheries,

Enhance recreational and aesthetic values



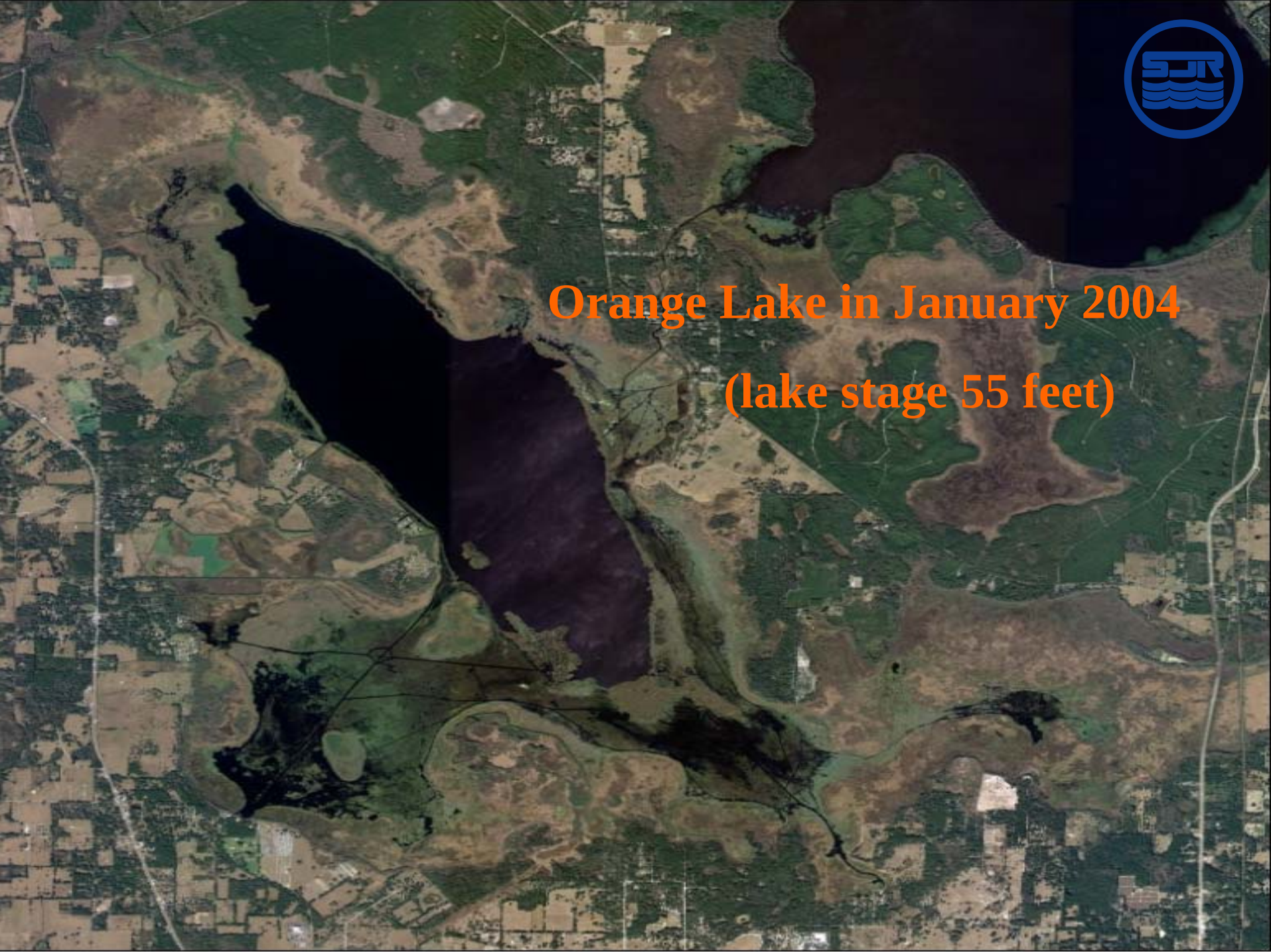
Land Acquisition in the Orange Creek Basin (through 2005)

43,959 acres

\$42,492,334 total cost



Orange Lake in January 2004
(lake stage 55 feet)





Orange Lake in October 2005
(lake stage 59 feet)



**Yellow hatching shows 3,522
acres of aquatic vegetation loss
from January 2004 through
October 2005**





Large chopped area of floating vegetation in P-G Run (southeast corner of Orange Lake)





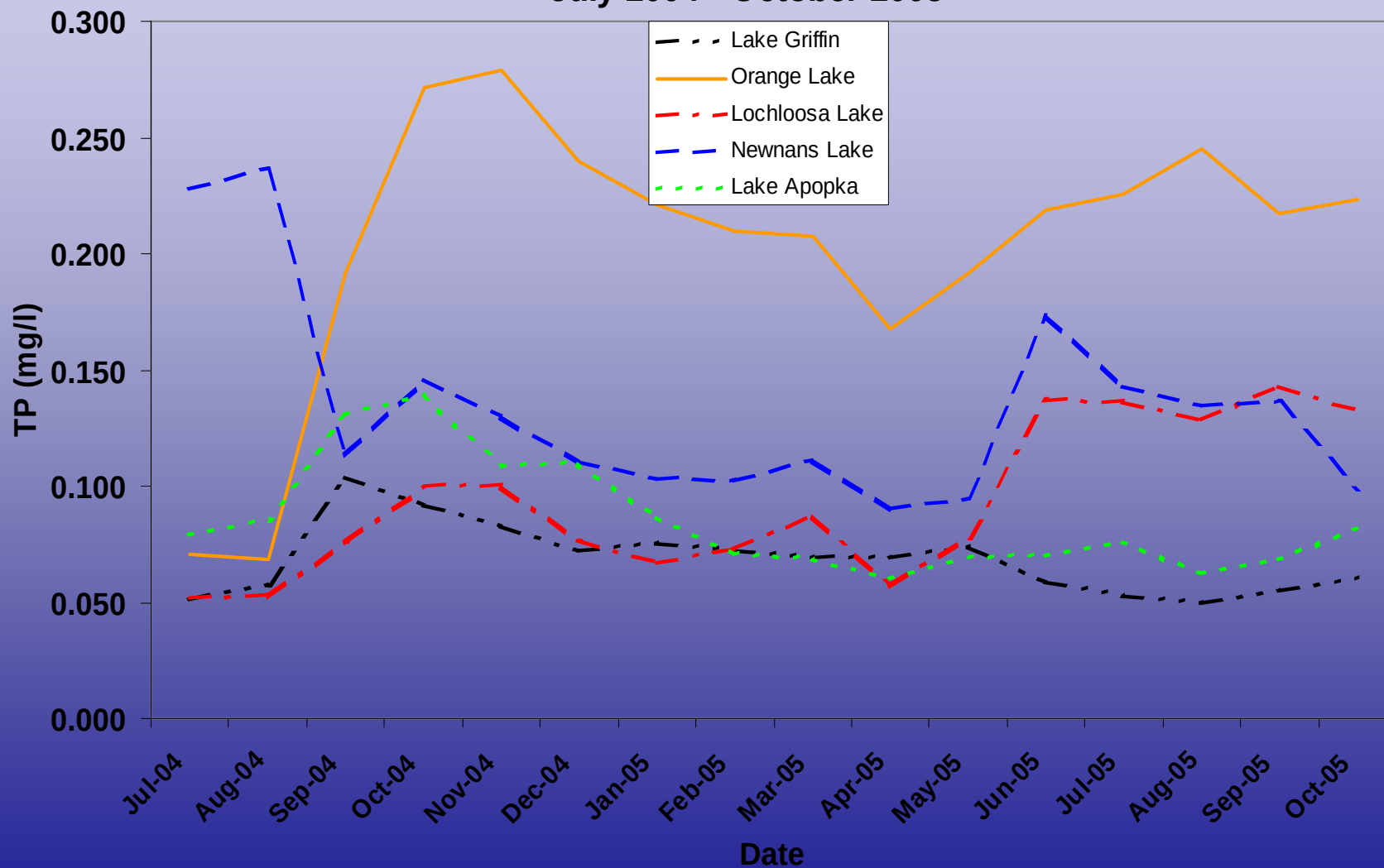
Aquatic Vegetation Management in Orange Creek Basin Lakes in 2004-05



	Orange Lake		Lake Lochloosa		Newnans Lake		Total	
	acres by herbicide	acres by cookie cutter	acres by herbicide	acres by cookie cutter	acres by herbicide	acres by cookie cutter	acres by herbicide	acres by cookie cutter
Tussocks (FDEP/FWC)	904	1091	13	40	13	50	930	1181
Wild Taro (FDEP)	29		3.5				32.5	
Water Lettuce (FDEP)	39		142		28		209	
Water Hyacinth (FDEP)	11		278		157		446	
Water Hyacinth (FWC)	5.75						5.75	
Hydrilla	10		70				80	

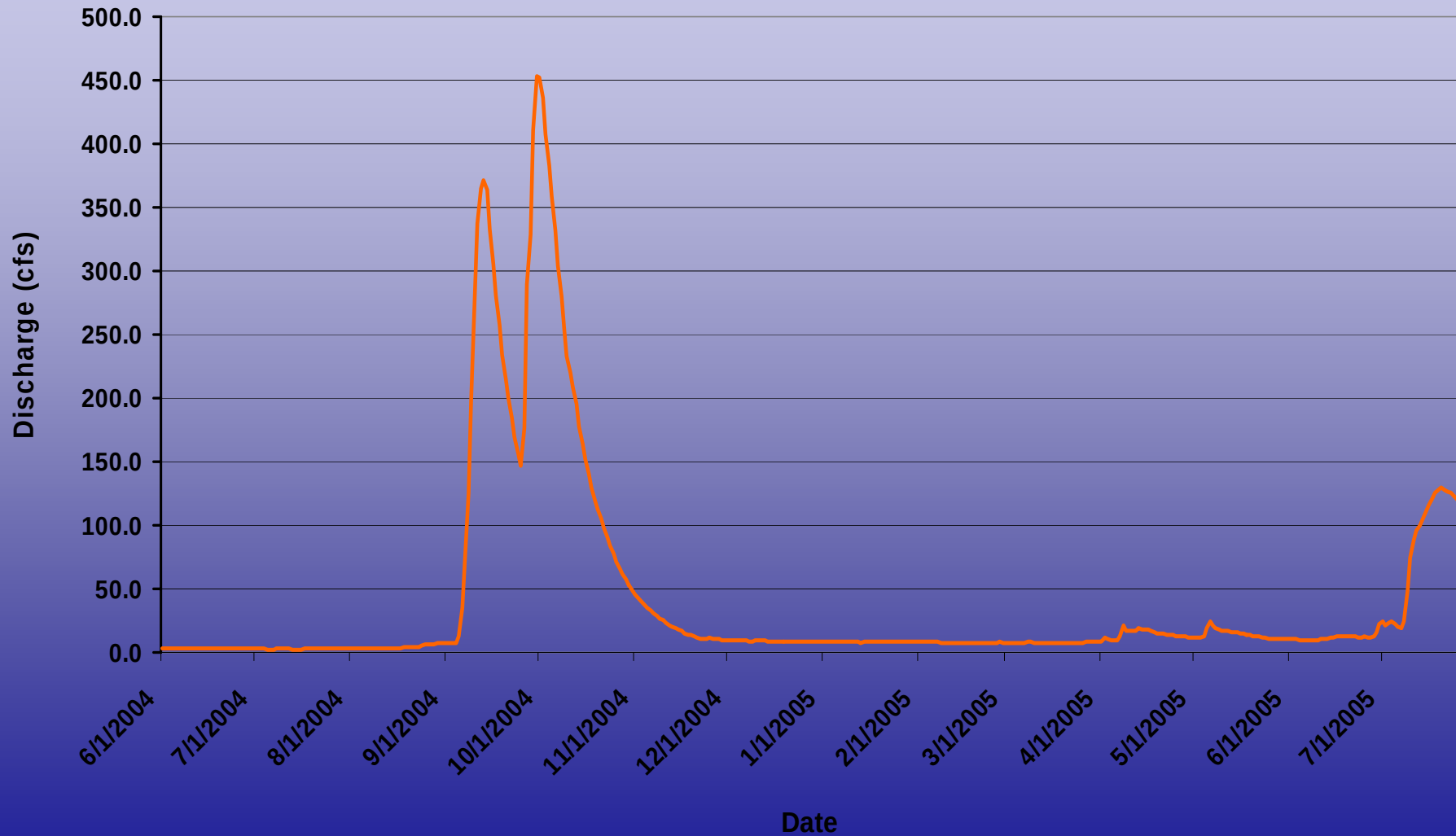


Total Phosphorus Concentration in Orange Creek Basin lakes, Lake Apopka and Lake Griffin July 2004 - October 2005



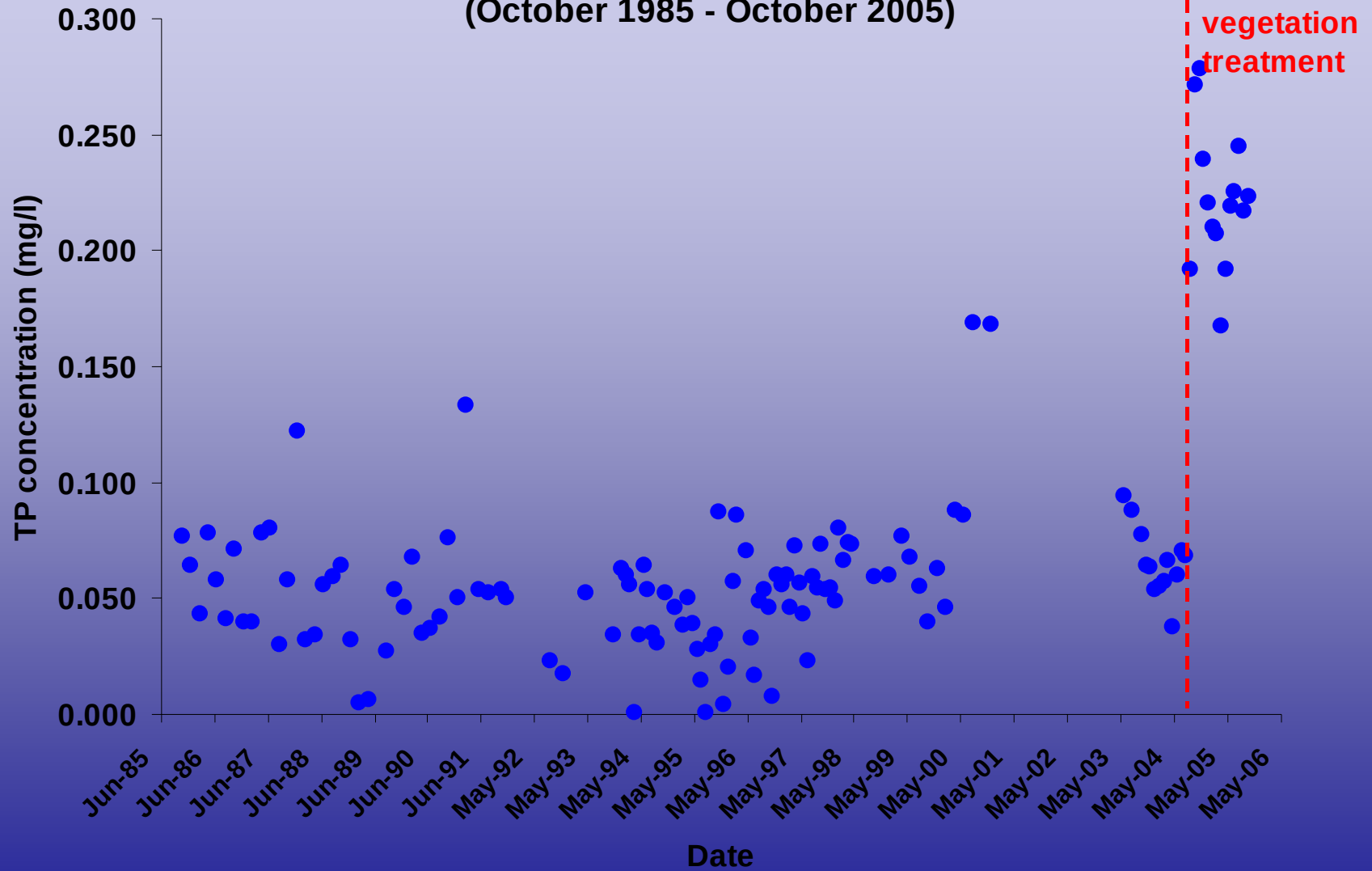


Flows in Camps Canal (June 2004 - July 2005)





Total Phosphorus concentration in Orange Lake (October 1985 - October 2005)





Orange Lake TP mass and mean monthly stage (October 1985 - October 2005)

