



LAK APOPKA TECHNICAL COMM. FEE

STATE OF FLORIDA

OFFICE OF THE GOVERNOR

TALLAHASSEE

CLAUDE R. KIRK, JR.
GOVERNOR

LAKE APOPKA RESTORATION PROJECT

C. W. SHEFFIELD
CHAIRMAN

S. A. Berkowitz
F.S.B.H.

WEEKLY REPORT

3/18/68 to 3/22/68

Dale Twitchman
S.W.F.W.M.D.

Howard Young
Lake Co. Water
Authority

Earle Frye
F.G.F.W.F.C.

J. Koperski
Corps of Eng.

J. Thoman
F.W.P.C.A.

A. A. Marshall
Bureau of Sports
Fisheries

Doyle Golden
F.D.A.

V. D. Patton
F.A.W.P.C.C.

Gordon Wagner
E.C.F.R.P.C.

Don Greer
Orange County
Planning Office

Bob Webb
Lake County
Planning Office

Arch Hodges
Zellwood Drainage
District

L. J. Snell
U.S.G.S.

Prof. Furman
U. of Florida

On Monday the chairman traveled to University of Florida to review their experimental nutrient removal facilities being jointly researched with the committee. Professor Thomas Furman related the work with hyacinths was progressing satisfactorily and a report (Mr. Ray Clock's dissertation) should be completed early this summer. Also, reviewed other experimental work needed on restoration of lake water and bottom material. Professor Furman related the University of Florida Bioenvironmental Engineering Department could be of service in two ways. First, data could be collected on a particular subject by a classroom project. The sponsoring agency or department would provide necessary materials for class. Guidance on said project would be through the professor and a report written and presented to appropriate agency. Second way is through a research contract with the Engineering and Industrial Extension Division. In this manner a student, professor or department, depending on size of project, is financed in toto. Then a final report written on the subject. This information on various ways to obtain research at University of Florida will be very useful in future.

Tried to contact Dr. James NeSmith, Department of Agriculture, University of Florida, in an effort to determine if he had completed analyses of the Lake Apopka bottom samples. Dr. NeSmith was not in, but he will be contacted by mail to determine progress of said lab analyses.

On Tuesday, 3/19/68, Dr. Robert O'Brien, professor at Rollins College Biology Department, discussed various features of the Lake Apopka restoration project. His department could provide basic research work on the ecology as related to aquatic weed growth. This data would be very useful to the committee, based on the fact one of the problems is lack of weed growth in lateral zone around lake. An effort was made to coordinate Dr. O'Brien's work with Bob Blackburn of U.S.D.A. at Ft. Lauderdale; cities of Orlando, Maitland and Winter Park; F.G.F.W.F.C.; F.S.B.H.; Corps of Engineers Aquatic Weed Branch; and Orange County Water Control Department. In this manner research data

can be obtained on physiology of aquatic plants in the possibility of finding a plant which will grow on silty-mud bottom material within Lake Apopka.

The chairman sent letter to F.G.F.W.F.C., F.S.B.H., Bureau of Sports Fisheries, U.S.G.S., and Lake County Water Authority asking what type and kind of restoration research projects their agency was desirous of enacting on Lake Apopka this summer. This research work would be performed in a very similar manner to those carried out last summer. Whereas the appropriate agency requesting research work will provide the idea, a detailed program, and overall leadership, the Lake Apopka work force will actually perform said work on Lake Apopka. The reason the chairman is requesting ideas at this point is to determine the number of college students (extra summer help) which should be requested from Orange County Commission for the summer. It was felt that there was tremendous success in last summer's projects consisting of building five experimental fish reefs; silt, mud and peat bottom profile; bottom drying experiments; and bottom biological work. Whereas the committee should make plans well in advance to have this extra help construct or start necessary research work this summer, then the appropriate agency with help of Lake Apopka work force can continue project throughout the year.

On Thursday, 3/21/68, the chairman traveled to Winter Haven to discuss with K. K. Huffstutler of the Florida State Board of Health the calculations for sizing the proposed isolation levee pond with regard to water quality. After reviewing said calculations it was concluded they should be typed and sent to Corps of Engineers for their use in the levee feasibility report. It is anticipated this information will be forwarded to Corps of Engineers in the very near future. Also, on this date traveled to Bartow to review the hyacinth processing machine demonstration (machine as designed, constructed and demonstrated by Hiller Company of Oakland, California). At this demonstration were many Lake Apopka technical committee members plus Governor's Aquatic Research and Development committee, Governor and part of his staff, plus many interested citizens. In general, the machine seems to process the hyacinths into a useable form. After hyacinth machine demonstration, chairman attended Governor's Aquatic Research and Development committee meeting and so advised them of the proposed research work on aquatic weeds with various cities in Orange County and Rollins College as previously reviewed. Mr. Bill Woods, F.G.F.W.F.C., advised chairman that Governor might make a visual reviewal of Lake Apopka by airplane on Monday,

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3/25/68.

Mr. Patton, Florida Air and Water Pollution Control Commission, called 3/22/68 and indicated the Governor would review Lake Apopka by air at 3:00 p.m., 3/25/68, and suggested a report be prepared with maps on aims and scope of committee, problems of Lake Apopka, possible solutions to problems and progress the Lake Apopka technical committee has made on this project with anticipated cost of project. Said report was prepared and airmailed special delivery to Mr. Patton's home address 3/22/68 whereas he could review same in detail prior to the Monday reviewal.

CWS/sjg

C. W. S.

cc: Commissioner C. R. Freeman
Commissioner Sanford Padgett
Commissioner Paul E. Pickett
A. W. Sinclair
Senator Robert Elrod
Vincent D. Patton