

A REPORT ON TRUESDALE LAKE
March 1980

This report is intended for distribution to residents who have property rights to Truesdale Lake. It is impossible to render a complete report without repeating facts which are very well known to those who have lived here several years. But these reports are few and far between, and even if an old story to some, we hope it is enlightening to new residents.

Introduction: Truesdale Lake has proven to be capable of producing aquatic weeds in several varieties, which, if not controlled, can render the lake almost useless for recreation. The lake will also produce algae of various types in sufficient quantity to interfere with fishing, swimming, boating and lake appearance. Algae eventually clutters the surface as a green filamentous mat if not controlled. A good example several years back was the reservoir in Katonah.

To cope with the foregoing, the associations have used both chemical and mechanical means to control weeds since the late 1940's. Since 1958, the program has been under the direction of the best men available in the closely related fields of weed control, fishery biology and pollution control. We seem to have overcome the greatest single obstacle--having the control programs approved by the agencies having charge of the issuance of permits. The results have been excellent; a useful lake with no adverse side effects.

Since no single treatment can eliminate the problem, the program is one of continuing control, varying from year to year as new products are developed, and varying with the threat of new and different aquatic growth. In exchange for the large sums put into the program, we obtain a useful lake and increased property values.

Weed Treatment Summary: In the late 1940's, copper sulfate was applied to the surface of the ice on the lake just before Spring thaw to control weeds and algae. In the 1950's a weed cutter was purchased and used in 1957 and the cut weeds were manually loaded on trucks and removed. A professional consultant was engaged in 1958 and a permit was issued for our first truly successful treatment. The cost of treatment for the entire lake with liquid Kuron applied by boat was \$9,000. One half the area of the lake was treated with dry chemical applied by boat in 1960 at a cost of \$3,000. The entire lake was again treated in 1963 and 1965 with dry chemical applied by helicopter at a cost of \$3,500 per treatment. Since then the lake has been treated about every two years according to the recommendations of our aquatic biologist Roy Younger, with complete approval of all the ecological and supervisory agencies involved.

You may be interested in knowing that our treatment program has to be approved each year in advance by a half dozen regulatory agencies. They issue a permit describing the amount and type of chemical to be used, supervise the application, and require us to test water samples during and after treatment. You can be sure that everything is done according to the strictest ecological standards.

Algae Control: This problem seems to be more acute each year, and regular treatments with copper sulfate are necessary all during the summer. We originally paid \$11.00 per 100 lbs, but in 1974, the price was up to \$55.00 per 100 lbs. Our usual annual requirement is for 5,000 to 6,000 lbs.

Because of the skyrocketing cost of copper sulfate, we had a professional application on Aug. 8, 1974, of a new copper product that provides longer control. It did seem to hold the lake in pretty good shape until after Labor Day, but with no further treatment, the lake really blossomed with algae in the September heat wave. This product was also extremely expensive, so since then, we have primarily used copper sulfate.

Future Outlook: Since 1975, treatments have been necessary every year and this will probably continue to be true. Due to increasing costs, these treatment costs will continue to rise. Continued cooperation by concerned homeowners will be more necessary than ever, in order to keep Truesdale Lake useful and beautiful.

LAKE CONTROL SUMMARY

	Yearly Cost	Truesdale Estates Assn.	Truesdale Property Owners	Lake Shore Drive	Total House Count	Cost per House
1965	\$ 4,150	55	104	6	165	\$25.15
1966	\$ 1,455	56	104	6	166	\$ 9.76
1967	\$ 3,411	56	107	9	172	\$19.83
1968	\$ 1,796	72	113	9	194	\$ 9.26
1969	\$ 2,238	74	113	9	196	\$11.42
1970	\$ 1,622	77	118	9	204	\$ 7.95
1971	\$ 4,908	81	118	9	208	\$23.59
1972	\$ 3,120	81	118	9	208	\$15.00
1973	\$ 3,852	84	125	9	218	\$17.67
1974	\$ 5,100	84	125	9	218	\$23.40
1975*	\$ 5,883	84	133	9	226	\$26.50
1976*	\$ 7,500	84	133	9	226	\$33.00
1977	\$ 4,835	84	133	9	226	\$21.39
1978	\$ 4,716	84	138	9	231	\$20.41
1979	\$ 5,918	84	138	9	231	\$25.62
	\$60,504	Fifteen years 1965-1979 inclusive				
	27,066	Eight years 1957-1964 inclusive				
	\$87,570	total expenditure past twenty-three years				
	16.30	per house average cost, 1965-1974				
	25.40	per house average cost, 1975-1979				

* 1975 and 1976 figures are approximate, since annual figures are not available. T.E.A. total cost for those two years was \$4974.48.