# OAKLAND COUNTY PARKS & RECREATION MASTER PLAN 1992

Oakland County Parks & Recreation Commission



### Oakland County Parks and Recreation Commission

### 1992 Parks and Recreation Master Plan

### Oakland County Parks and Recreation Commission

Lewis E. Wint, Chairman
Jean M. Fox, Vice Chairman
Pecky D. Lewis, Jr., Secretary
Fred Korzon
George W. Kuhn
Richard D. Kuhn, Jr.
Thomas A. Law
John E. Olsen
Roy Rewold
Lawerence E. Littman

### Oakland County Parks and Recreation

Ralph Richard, Manager

### Consultant

Carlisle Associates, Inc. 111 North Main Street Ann Arbor, Michigan 48104 OAKLAND COUNTY REFERENCE LIBRATION 1200 N TELEGRAPH ROAD DEPT 453
PONTIAC. MICHIGAN 48941-0488

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### XECUTIVE SUMMARY

The 1992 Oakland County Parks and Recreation Master Plan is intended to guide the recreation planning and development efforts of the Oakland County Parks and Recreation Commission into the middle of this decade. The revised Master Plan continues a comprehensive planning effort, initiated in 1985, which has contributed to the continued improvement of the quality of life and of leisure experience for Oakland County residents.

The purpose of the County Parks and Recreation Master Plan is to identify the recreation resources within Oakland County, determine where county level recreational deficiencies exist, recommend a park and recreation action plan to remedy these deficiencies, and to meet state grant justification requirements.

The 1992 Parks and Recreation Master Plan is based on data gathered for the previous Master Plan and the additional following studies:

- a structured retreat conducted with the Parks and Recreation
   Commission and staff to establish Commission Mission statements,
   goals and policies;
- joint local Recreation Directors and Oakland County Parks and Recreation Commission meetings;
- (c) a random sample of 400 county residents contacted via a telephone survey;
- (d) park user feedback from comment cards; and,
- (e) updated administrative structure and community descriptions, and recreation facility and program inventories.

The 1992 Park and Recreation Master Plan continues the Commission's focus on understanding the changing recreational demands and needs of county residents, and promoting of a planning process which enables the Commission to respond appropriately to the demands and needs of park users. Thus, the revised Plan provides guidelines for future Commission policies and programs while remaining flexible enough to accommodate changes in the county's social and economic conditions.

### ACTION PROGRAM

An Action Program has been developed for the County's Parks and Recreation Master Plan which details specific acquisitions and improvements proposed to occur over the next five years. Many of these programs are derived from the Oakland County Parks and Recreation Commission Capital Improvement Projects Budget, 1992 which was adopted by the Parks and Recreation Commission on December 4, 1991.

The Action Program for the Oakland County Parks and Recreation System emphasizes land acquisition, general facilities improvement, outdoor education and water related activities.

### **BASIS FOR ACTION**

The Commission has continually monitored the recreation needs of residents and gathered input from staff and other recreation administrators in order to gain an understanding of future needs and directions. The measurement and evaluation of needs and demands has taken a variety of forms and including: Internal Evaluations, Mission Statements, and Recreation Deficiencies.

The major issues or concerns facing the County Park System, as identified by the Parks and Recreation Commission and staff, are: maintenance and its rising costs, special facility needs for seniors, minorities and the underprivileged, therapeutics programs, barrier-free access, compliance with ADA, public visibility and image, balancing facilities development and natural landscape preservation, historic site preservation and mobile recreation unit renovation.

The Commission and staff continue to believe their basic goal is to provide day use activities including picnicking, swimming, hiking, etc. in relatively natural settings. Therefore, the Commission will continue to consider large parcels offering natural settings. Innovative facilities will be proposed and incorporated as appropriate.

The analysis of municipal and state recreation plans and physical inventories revealed that most communities are providing excellent local recreational opportunities and that the county should continue to concentrate on large parks offering traditional activities. A review of state and HCMA facilities within the county provided further direction as to the improvements the county anticipates initiating over the next five years.

Surveys conducted in 1986 and 1991 were used to gather user opinions regarding the facilities and programs of the park system. In 1986, two mail surveys were undertaken. In 1991, a telephone survey of four hundred county residents measured awareness and attitudes. Long range planning comment cards were also distributed in three day use parks.

Attitudes noted in the 1986 surveys and applied to the 1992 Action Program provide support for the County's provision of traditional activities such as swimming and other beach activities, picnicking, camping, golf opportunities, and innovative facilities such as the wave pools.

The 1991 telephone survey revealed that increasing awareness and promotion of the unique identity of the park system continues to be a major task, that the parks'

strongest user population are younger, more educated households with children under eighteen, that park users prefer group activities over individual activities, special facilities for seniors and the handicapped are widely approved, and that land acquisition to protect the wildlife should assume a higher priority than land acquisition for recreational opportunities.

Although the long range planning comment cards did not have a high return rate, the comments tended to parallel the general sentiments expressed by telephone survey respondents.

Commission sponsored workshops played an important role in the development of the 1986 and 1992 Master Plans. In preparation for this Master Plan revision, the Commission held several meetings with local recreation directors to generate relevant feedback from the local communities. County wide tournaments of events, therapeutic recreation, land acquisitions, millages and the development of Orion Oaks were key issues discussed at these workshops.

The second major component for the Action Plan were the Commission's 1991 Mission Statements regarding Human Resources, Financial Resources, Physical Resources, and Consumers.

The identification of recreational deficiencies provided the third component of the Basis for the Action Plan. Issues identified through surveys, inventories, and workshops were analyzed more carefully under the general titles of: Visibility and Public Relations, Financial Needs, Planning and Coordination, Innovative Park Facilities, Popular Activities, Administration Needs and Parkland Acquisition.

### Visibility and Public Relations

The need to improve the park system's visibility and identity has been well documented by survey and workshop comments. Increased facility use and program participation may be expected if county residents know where parks are located, what programs are offered and their availability for use.

### Financial Needs

Operations and capital improvements have remained in balance through past administrations. Unfortunately, though revenues have increased, operational costs have risen at a higher rate. The result has been a reduction in funds available for capital improvement and development. Operational costs must be curbed and the production of revenues must be a priority. Voter support and approval of additional funding sources may be necessary.

### Planning and Coordination

Increased coordination efforts have occurred over the past five years. The regional planning effort needs to be continually strengthened and monitored to assure the level of coordination required to fulfill resident recreational demands.

### **Innovative Park Facilities**

There continues to be a need for innovative recreation facilities in the metropolitan area. Each proposal for an innovative facility will need to be carefully examined to determine if a proposed facility will be self-supporting prior to making a commitment.

### Popular Park Facilities

The park system has constantly improved or expanded facilities for popular activities such as picnicking, golfing, and camping. Programs such as mountain biking and special events offer potential areas for the park system to continue to meet demand for popular activities and facilities.

#### Administrative Needs

The most pressing administrative needs were identified by staff as follows: keeping up with technological advances, keeping current with new legislation and regulations, safety education, updating equipment, computerization and training.

### Parkland Acquisition

The Commission is diligently pursuing parkland acquisition in the southwest portion of the county as well as properties adjacent to existing parks. The survey indicated that County residents preferred future acquisitions be primarily for the protection of wildlife. However, households identified as regular park users emphasized the purchase of land to develop future recreational opportunities. The purchase of historic sites was the third preference of both groups. All groups agreed that private donations, grants and gifts should be used for land acquisition.

#### DESCRIPTION OF PLANNING PROCESS

Preliminary work on the Oakland County Recreation Master Plan began in early 1991. At that time, Commission staff began preparing facility and recreation deficiency updates. Needs Assessments and Capital Improvement Budgets were also prepared by Commission staff. In the fall of 1991, Carlisle Associates, Inc. was hired to develop a draft master plan in accordance with MDNR standards. This was followed by formal review of the draft plan by the Oakland County Parks and Recreation Commission as well as a formal public hearing.

The master plan text and graphics evolved from staff input and involvement, citizen input, and background studies inventorying recreational facilities and describing the Oakland County community.

### INVENTORY OF LAND & FACILITIES

The inventory of land and facilities includes state and regional facilities, county recreational lands, community and school facilities, and select private facilities. The recreational land and facilities inventory is meant to provide a means of determining future county recreational needs.

### **COMMUNITY DESCRIPTION**

Oakland County lies within a growth corridor which centers in the city of Detroit and follows a northwest path extending into Livingston County. Within this high growth environment Oakland County has rapidly transformed itself from a primarily rural county to a densely populated, suburban county. In 1990, the population of Oakland County exceeded the population of the city of Detroit by 5.4%.

#### **Natural Features**

Oakland County covers an area of over nine hundred square miles, encompasses over four hundred lakes, and approximately eight hundred miles of inland lake shoreline. Five river systems have their origin in the County's morainic belts and outwash plains. The land area that lies northwest of the upland hills is drained by the Flint and Shiawassee River systems. The area to the southeast of the upland hills is drained by the Clinton, Huron and Rouge Rivers.

Oakland County lies in a deciduous forest zone in which the climax forest is beech and maple. The following vegetation groups are typical and representative of the area: swamps and marshes, bogs, lake shores, streamsides, meadows, abandoned fields and roadsides.

### Community Development

Land development within the county has gradually pushed outward from the Detroit Metropolitan Area and the City of Pontiac in a concentric pattern. The most intense land uses are located in areas which are serviced with sewer and water and have access to major transportation routes. Farmland or agricultural lands are being gradually replaced by residential development.

Between the 1986 and 1988 Land Use Inventories (completed by the Oakland County Planning Division) 6,000 acres of agriculture land and 6,000 acres of vacant land were removed from these categories. About half of this land was converted into single family home sites, 1,200 acres were converted to commercial and office land uses, and 1,500 to industrial land use.

### Population Growth and Characteristics

According to the 1990 Census, the Village of Bingham Farms grew 89.2%, the largest percentage gain of the county's fifty-nine communities. While thirty-five communities gained population, twenty-four communities lost population. Lake Angelus decreased 17.4%, the largest loss of the past decade. Overall, Oakland County communities did not gain population as rapidly during the 1980s as during the 1970s.

The Southeastern Council of Governments (SEMCOG) has prepared population forecasts at five year intervals for the period of 1980 to 2010. Population projections were derived using 1980 Census figures and from household size characteristics applied to each communities mix of housing types. The following five communities are expected to have the greatest percentage gains in population between 1990 and 2010: 1. City of Novi (88%), 2. Brandon Township (75.7%), 3. Addison Township (68.5%), 4. Oakland Township (66.3%), and 5. Milford Township (65.9%).

Between the 1980 and 1990 Census, the percentage of the county residents under the age of five increased by more than ten percent, while the 5 to 17 and 18 to 24 age groups experienced declines in excess of ten percent. The 35 to 44 age bracket showed the greatest increase, and the 75+ and 65 to 75 age groups showed the second and third largest increases respectively.

Following the national trend, the median age of an Oakland County resident is on the rise; the 1990 Census reports a county median age of 33.8 years. In 1990 nearly twenty- five percent of the population is under the age of eighteen and almost eleven percent are over the age of sixty-five.

### Household and Housing Characteristics

The number of households in Oakland County grew from 355,187 in 1980 to 410,488 in 1990. The greatest gain was in the married-couple family households which increased from 229,116 in 1980 to 291,645 in 1990. Married-couple households account for 58.5% of the total number of household reported by the 1990 Census. The number of non-family household also has increased significantly from 85,797 in 1980 to 118,843 in 1990.

The average number of persons per household was 2.61 at the time of the 1990 Census. The number of persons per owner-occupied units was 2.83, and 2.04 persons per renter-occupied units.

Approximately 67% of county residential units are single family detached. An additional 22,434 units are single family attached.

According to the 1990 U.S. Census the median value of a single family owner-occupied home in Oakland County rose sixty-four percent for \$58,100 in 1980 to \$95,400 in 1990. The 1990 average housing cost reported by the Economic Development Division of Oakland County was \$106,670.

### ADMINISTRATIVE STRUCTURE

The Oakland County Parks and Recreation Commission was established in 1966, with an initial loan of \$100,000 from the Oakland County Board of Supervisors (now the Board of Commissioners) for organization, preliminary planning and acquisitions. That same year, Oakland County voters approved a 1/4 mill tax levy, and with funds from this tax, the Commission immediately began to acquire and preserve park lands on the fringes of the suburban centers.

The Parks Commission is comprised of ten appointed members. The Commission is responsible for the development of a park system that provides unique and specialized facilities and programs not normally provided by local agencies, maximize the use of park lands with minimal impact on natural resources, and provide opportunities for a wide variety of indoor and outdoor recreational experiences.

The Commission establishes policies, develops plans and programs, and makes financial decisions. The Manger performs a liaison function between the Commission and staff, is responsible for coordinating the directives of the Commission, overseeing acquisitions and development plans. All other Commission staff are directly responsible to the manager.

Section I Plan Adoption RESOLUTION

WHEREAS, the Oakland County Parks and Recreation Commission has reviewed the "1992 Parks Recreation Master Plan".

WHEREAS, the "1992 Recreation Master Plan" goals and objectives were developed in response to the identified needs and deficiencies based on citizen surveys, and input from county and local governmental officials, parks and recreation department directors, and Oakland County Parks and Recreation Commission and staff members, and

WHEREAS, the "1992 Recreation Master Plan" meets the Oakland County

Parks and Recreation Commission's long-range goals, objectives, and financial

funding, and

WHEREAS, the goals and objectives will assist the Oakland County

Parks and Recreation Commission in determining future planning by lending

direction while remaining flexible to allow for adjustments by creative

and responsible management.

NOW THEREFORE BE IT RESOLVED that the Oakland County Parks and Recreation Commission adopts the revised "1992 Recreation Master Plan".

Moved by

Supported **£** 

Date February 5, 1992

### NTRODUCTION

The Oakland County Parks and Recreation Commission was established in 1966 pursuant to the provisions of Act 261 of the Public Acts of 1965. The Commission was initially funded by a loan of \$100,000 from the Oakland County Board of Supervisors and a five-year, quarter mill tax levy approved by the voters. The latter has continued to be approved on a regular basis and has received approval through 2001.

The County Parks and Recreation Commission is an autonomous body. The ten member commission can establish policy, develop programs and plans, and make financial decisions pertaining to the operations of the county's park and recreation system.

The 1992 Oakland County Comprehensive Recreation Plan is intended to guide the recreation planning and development efforts of the Oakland County Parks and Recreation Commission into the middle of this decade. This Plan continues the comprehensive planning effort initiated in 1985 that has contributed to the continued improvement of the quality of life and of leisure experience for Oakland County residents.

The purpose of the County Parks and Recreation Master Plan is to identify the recreation resources within Oakland County, determine where county level recreational deficiencies exist, recommend a park and recreation action plan to remedy these deficiencies, and to meet state grant justification requirements.

The first Parks and Recreation Master Plan was adopted in 1978. The Oakland County Parks and Recreation Commission undertook a second master plan effort in 1985, which was adopted in 1986. (An interim plan, adopted in 1985, provided a temporary guide while the 1978 Plan was revised.) The second master plan process utilized a variety of methods to formulate goals. A citizen survey was distributed to the general public in addition to two administrative surveys which were sent to local community officials, Park Foundation members, county commissioners, city managers, municipal recreation directors, and the Commission and its staff. In addition to physical resource inventories, local community recreation plans were reviewed, and a series of workshops with staff and local community representatives were held. Finally, state and regional governmental agencies were interviewed.

The 1986 County Recreation Master Plan was based on five sets of data

- (a) compilation of information from the Commission and other recreation and planning agencies;
- (b) extensive discussions with Commissioners and staff
- (c) structured workshops series involving elected officials, Commission and staff, and municipal recreation directors;
- (d) mailed questionnaires completed by senior elected officials such as mayors and township supervisors, city managers, municipal recreation directors, Parks and Recreation Commissioners, and staff; and,

(e) mailed questionnaires completed by a sample of Oakland County residents.

This report is Oakland County's third park and recreation master planning effort. The 1986 Plan provided a framework for a continuous comprehensive planning process which the 1992 Plan has attempted to build upon.

The revised Parks and Recreation Master Plan revision is based on data gathered for the previous Master Plan and the following studies:

- (a) a structured retreat conducted with the Parks and Recreation Commission and staff to establish Mission statements, goals and policies;
- (b) joint local Recreation Directors and Commission meetings;
- (c) a random sample of four hundred county residents contacted via a telephone survey;
- (d) park user feedback from comment cards; and,
- (e) updated administrative structure and community descriptions, and recreation facility and program inventories.

The 1986 Plan was different from previous plans, it focused on the dynamic social and economic environment in which the Commission operates. The 1992 Park and Recreation Master Plan will continue to focus on understanding the changing recreational demands and needs of county residents and other county recreational facility users, promoting a planning process which enables the Commission to respond appropriately to the demands and needs of park user. Thus, the revised Plan will provide guidelines for future Commission policies and programs but remain flexible enough to accommodate changes in the county's social and economic conditions.

Section II Action Program

### A CTION PROGRAM

An Action Program has been developed for the Oakland County Parks and Recreation Master Plan which details specific acquisitions and improvements proposed to occur over the next five year period. Many of these programs are derived from the Oakland County Parks and Recreation Commission Capital Improvement Projects Budget, 1992 adopted by the Commission on December 4, 1991. Potential grant projects are summarized on page 13. This list includes those projects which are a part of the 1992 adopted capital improvements budget and those which may become a part of future adopted budgets.

The following capital improvements have been determined in response to the needs identified during the master planning process and are outlined in the following chapter titled Basis for Action Program. In general terms, the Capital Improvement Projects Budget can be divided into four major categories. These are:

- Land Acquisition
- Innovative Park Facilities
- Popular Park Facilities
- Water Related Activities

All of the above categories are considered to be priority concerns and are consistent with the identified needs and demands of county residents as well as the Commission's adopted mission statements.

The Capital Improvement Projects Budget has been listed by park and includes projects which may have state and federal grant potential. The map in Section V Page 16 identifies the parks by name and location.

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Administration

		1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed new 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
	Administration	3,022,237	(5,520)	499,500	3,516,217	814,426	4,330,643	300,000	300,000	300,000	300,000
	Addison Oaks	1,311,716	(974,494)	70,668	407,890	385,772	793,662	570,000	360,000	125,000	360,000
	Groveland Oaks	172,966	(84,867)	1,015	89,114	344,510	433,624	570,00	225,000	210,000	100,000
	Independence Oaks	179,898	(72,279)	15,299	122,918	138,504	261,422	65,000	350,000	150,000	180,000
•	Orion Oaks	0	0	0	0	0	0	0	0	0	0
	Glen Oaks	370,571	(347,775)	33,821	56,617	58,320	114,937	227,000	30,000	220,000	90,000
	Red Oaks	176,286	(121,160)	22,239	77,365	39,629	116,994	279,000	257,000	0	5,000
	Springfield Oaks	178,179	(129,058)	11,378	60,499	19,000	79,499	36,000	25,000	0	15,000
	White Lake Oaks	378,436	(358,803)	16,397	36,030	128,792	164,822	72,000	76,000	118,000	34,000
	Waterford Oaks	1,213,666	(680,354)	16,745	550,057	329,943	880,000	465,000	156,000	210,000	2,000
	Contingency	210,208	0	124,193	334,401	225,000	559,401	0	0	0	0
	Total	7,214,163	(2,774,310)	811,255	5,251,108	2,483,896	7,735,004	2,584,000	1,799,000	1,333,000	1,086,000

### Where the funds come from:

Total Cash and Investments at 8/31/91				\$7,105,162
Additions:				
Balance of 1991 Revised Operating Rever	nue		1,024,438	
Accounts Receivable as of 8/31/91			128,015	
DNR Grants: Balance of Wetlands-Indep	endence	12,870		
Balance of Land Acquisiti	on-Groveland	28,068		
Land Acquisition-Addison	1	307,500		
Play Lot-Groveland		55,000		
Winter Park Activity-Wat	erford 2	250,000	653,438	
Michigan Equity Program: Conference. (	Center. ImprovementAddison		52,240	
Estimated Funds from 1992 Operating Bu			1,818,171	3,676,302
Less Funds Obligated:				
Accounts Payable as of 8/31/91			(428,618)	
Balance of 1991 Revised Operating Exper	nses		(2,524,274)	
Balance of 1991 Operating Equipment			(93,568)	(3,046,460)
Proposed 1992 Capital Bu	ıdget			\$7,735,004

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Administration

		1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed new 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
ADM-02	New Admin. Bldg.	0	500	(500)	0	0	0	0	0	0	0
ADM-03	Future Acq. & Imprv.	3,022,237	0	493,980	3,516,217	814,426	4,330,643	300,000	300,000	300,000	300,000
ADM-04	Lyon Rookery Acq.	0	(6,009)	6,009	0	0	0	0	0	0	0
ADM-05	Rose Twnshp. Acq.	0	(11)	11_	0	0	0	0	0	0	0
\ <u></u>	Total	3,022,237	(5,520)	499,500	3,516,217	814,426	4,330,643	300,000	300,000	300,000	300,000

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Addison Oaks

		1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed New 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
AO-01	Old Milkhouse	26,925	(30,916)	3,991	0	0	0	0	0	0	0
AO-02		5,000	0	0	5,000	1,000	6,000	ŏ	ŏ	ŏ	100,000
AO-04		119,930	(177,451)	57,521	0,000	16,252	16,252	ő	ŏ	ő	0
AO-10		30,000	0	0	30,000	0	30,000	ŏ	60,000	ŏ	ŏ
` AO-14		85,000	(76,364)	Ŏ	8,636	(8,636)	0	ŏ	00,000	ő	ŏ
AO-15		0	300	(300)	0,050	(0,050)	ŏ	ŏ	ŏ	ŏ	ŏ
AO-17		15,000	(17,844)	2,844	Ö	2,156	2,156	ő	25,000	ő	ŏ
AO-19		36,443	(32,962)	0	3,481	0	3,481	Ŏ	0	ŏ	Õ
AO-20		0	0	0	0	0	0	600,000	Ö	Ö	Ö
AO-21		0	0	0	0	150,000	150,000	50,000	Ŏ	Ö	ŏ
AO-27		5,000	0	0	5,000	(5,000)	0	0	Ō	Ŏ	Ö
AO-28		430,138	(189,717)	0	240,421	50,000	290,421	0	0	0	0
AO-34	Sewage Renov. (C)	115,330	(29,978)	0	85,352	50,000	135,352	220,000	0	0	0
AO-35	Beach Improvements	0	0	0	0	0	0	0	0	75,000	0
AO-36	Asphalt Parking	0	0	0	0	0	0	0	200,000	0	0
AO-37	Road Changes	0	0	0	0	0	0	70,000	0	0	0
AO-38	New Golf Course (E)	0	0	0	0	0	0	0	2,800,000	0	0
AO-39		0	0	0	0	40,000	40,000	0	0	0	60,000
AO-40	Conc. Bldg.Sun Deck	0	0	0	0	20,000	20,000	20,000	0	0	0
AO-41	Pole Barn	0	0	0	0	0	0	0	75,000	0	200,000
AO-42		0	0	0	0	0	0	0	0	50,000	0
AO-44		412,950	(419,562)	6,612	0	0	0	0	0	0	0
AO-45		30,000	0	0	30,000	0	30,000	0	0	0	0
AO-46	New Fence	0	0	0	0	70,000	70,000	0	0	0	0
AO-47	Pool Building	0	0	0	0	0	0	20,000	0	0	0
	Grant Funds	0	0	0	0	0	0	(410,000)	0	0	0
	Private Funds	0	0	0	0	0	0	0	(2,800,000)	0	0
	Total	1,311,716	(974,494)	70,668	407,890	385,772	793,662	570,000	360,000	125,000	360,000

<sup>(</sup>A) Subject to \$300,000 Government Grant Funds; \$300,000 Park Funds

<sup>(</sup>B) Subject to \$52,240 from Michigan Equity Program through Addison Township for Conference Center Improvements

<sup>(</sup>C) Subject to \$110,000 Government Grant; \$110,000 Park Funds

<sup>(</sup>D) Subject to Government Grant or Oakland Park Foundation

<sup>(</sup>E) Subject to appropriate financing

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Groveland Oaks

	·	1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed New 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
GRO-01	Tree Planting & Landscaping	26,966	(19,476)	0	7,490	4,510	12,000	10,000	0	10,000	0
GRO-20	Beach Improvement	0	0	0	0	0	0	0	0	0	100,000
GRO-21	Group Camp Elect.	50,000	(44,650)	0	5,350	5,000	10,350	0	0	0	0
` GRO-21	Water Wheel	0	0	Ö	0	0	0	0	0	0	10,000
GRO 22	Restoration (C)	ŭ	· ·								,
GRO-23	Resurface Courts	0	0	0	0	0	0	10,000	0	0	0
GRO-24	Park Dev New Camp	0	0	0	0	100,000	100,000	0	50,000	0	0
GRO-25	Parking Improvement	0	0	0	0	25,000	25,000	0	25,000	0	0
GRO-27	New storage-workshop	50,000	0	0	50,000	0	50,000	0	0	0	0
	Area	,					•				
GRO-28	Pave Road	0	0	0	0	0	0	100,000	0	0	0
GRO-29	Laundromat	0	0	0	0	0	0	0	150,000	0	0
GRO-30	Update Master Plan	20,000	(13,726)	0	6,274	0	6,274	0	0	0	0
GRO-31	Major Play Lot (B)	0	0	0	0	110,000	110,000	0	0	0	0
GRO-33	Sewage Study & Imp.	20,000	0	0	20,000	0	20,000	0	0	0	0
GRO-34	Camp Renovation-	0	0	0	. 0	50,000	50,000	650,000	0	200,000	0
	East side (A)										
GRO-35	Land Acquisition	6,000	(7,015)	1,015	0	0	0	0	0	0	0
GRO-36	Primary Elec. Upgrade	0	0	0	0	50,000	50,000	0	0	0	0
GRO-37	New Contact Station	0	0	0	0	0	0	150,000	0	0	0
GRO-38	Golf Course (D)	0	0	0	0	0	0	0	0	0	2,800,000
	Grant Funds	0	0	0	0	0	0	(350,000)	0	0	0
	Private Funds	0	0	0	0	0	0	0	0	0	(2,810,000)
	Total	172,966	(84,867)	1,015	89,114	344,510	433,624	570,000	225,000	210,000	100,000

<sup>(</sup>A) \$350,000 State Grant; \$350,000 Park Funds, Funds are shown in totals

<sup>(</sup>B) \$55,000 State Grant; \$55,000 Park Funds

<sup>(</sup>C) Subject to \$10,000 in Private Funds

<sup>(</sup>D) Subject to appropriate funding

# Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Independence Oaks

		1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed New 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
IO-03	Nature Center	8,626	(7,263)	0	1,363	1,637	3,000	0	0	0	0
	Landscape		_					•	•	•	•
IO-09	Dock & Boardwalk Repair	10,000	0	(10,000)	0	0	0	0	0	0	0
` IO-10	Nature Trail Imp.	16,000	(13,208)	0	2,792	0	2,792	0	0	0	0
IO-11	Twin Chim Restroom	75,000	(2,540)	0	72,460	17,540	90,000	0	0	0	0
IO-14	Asphalt Improvement	0	Ó	0	0	0	0	0	150,000	0	0
IO-19	Fence SE Property	0	0	0	0	0	0	0	0	0	30,000
IO-20	Playground Equipment	28,641	(16,973)	0	11,668	0	11,668	0	50,000	0	0
IO-22	Maint. Storage Bins	0	0	0	0	4,000	4,000	0	0	0	0
IO-23	Pole Barn	0	(29,626)	29,626	0	5,000	5,000	0	0	0	0
IO-24	New Park Office	5,000	0	(5,000)	0	15,000	15,000	0	0	0	0
IO-25	Environmental Center (A)	16,631	(1,996)	0	14,635	0	14,635	0	0	300,000	0
IO-27	Hike Teach Station	0	0	0	0	6,000	6,000	0	0	0	0
IO-28	Pioneer Living	ő	Ö	0	Ö	0	0	35,000	0	0	0
	Historical Site (B)	•	v		·	v			_		
IO-29	Bike Path Trail	20,000	0	0	20,000	(5,000)	15,000	0	60,000	0	0
IO-30	Beach Picnic Shelter	0	0	0	0	50,000	50,000	0	0	0	0
IO-31	New Restroom- Trail Side	0	0	0	0	0	0		90,000	0	0
IO-35	Picnic Shelter (Amphit)	0	(673)	673	0	4,327	4,327	0	0	0	0
IO-36	Dredge Boat Area	0	Ó	0	0	40,000	40,000	0	0	0	0
IO-37	Expand Parking	0	0	0	0	0	0	0	0	0	150,000
IO-38	Update Master Plan	0	0	0	0	0	0	20,000	0	0	0
IO-39	River Trail & Dock	0	0	0	0	0	0	3,000	0	0	0
IO-40	Pond Excavation	0	0	0	0	0	0	7,000	0	0	0
	Grant Funds	0	0	0	0	0	0	0	0	(150,000)	0
	Private Funds	0	0	0	0	0_	0	0	0	0	0
	Total	179,898	(72,279)	15,299	122,918	138,504	261,422	65,000	350,000	150,000	180,000

<sup>(</sup>A) Subject to \$150,000 Government Grant Funds; \$150,00 Park Funds(B) Subject to Oakland Parks Foundation

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Glen Oaks Golf Course

		1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed New 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
GLO-01	Auto Sprklr. System	165,500	(172,207)	8,707	2,000	0	2,000	0	0	0	10,000
GLO-02	Clubhouse Lndscpg.	27,185	(20,185)	(320)	6,680	10,320	17,000	0	0	0	0
GLO-04	Parking Lot Lights	51,628	(61,687)	10,059	0	0	0	0	0	0	0
GLO-08	Pave Cart Paths	0	Ó	0	0	20,000	20,000	20,000	0	0	20,000
`GLO-12	Drainage Imprv.	44,258	(40,669)	0	3,589	18,000	21,589	0	10,000	0	0
GLO-13	Improve #13 Hole	0	0	0	0	0	0	0	20,000	0	0
GLO-14	New Trees	7,000	(8,027)	1,027	0	0	0	7,000	0	0	0
GLO-15	Golf Cart Bldg.	0	0	0	0	0	0	0	0	200,000	0
GLO-17	Fuel Tank & Pump	30,000	0	0	30,000	0	30,000	0	0	0	0
GLO-19	Pave Main Parking Lot	0	0	0	0	0	0	200,000	0	0	0
GLO-22	Pumphouse Imprv.	45,000	(45,000)	0	0	0	0	0	0	0	0
GLO-23	8" well w/pump &	0	0	14,348	14,348	0	14,348	0	0	0	0
	motor										
GLO-24	Build Material Bins	0	0	0	0	10,000	10,000	0	0	0	0
GLO-25	Flat Roof Repair	0	0	0	0	0	0	0	0	0	40,000
GLO-26	Rebuild 4 Greens	0	0	0	0	0	0	0	0	20,000	20,000
GLO-27	Bldg. Additn-Main	0	0	0	0	0	0	0	500,000	0	0
	Room (A)										
	Grant Funds	0	0	0	0	0	0	0	0	0	0
	Private Funds	0	0	0	0	0	0	0	(500,000)	0	0
	Total	370,571	(347,775)	33,821	56,617	58,320	114,937	227,000	30,000	220,000	90,000

(A) Subject to \$500,000 in Private Funds

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Red Oaks Complex

		1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed new 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
RO-01	Landscape Improvement	13,720	(11,349)	0	2,371	15,629	18,000	0	7,000	0	0
RO-04	Repave Course Parking Road	20,000	(33,869)	13,869	0	10,000	10,000	20,000	0	0	0
RO-07	Protective Fencing	40,000	(6)	0	39,994	(30,000)	9,994	0	0	0	0
` RO-08	WP Entrance Sign	5,000	0	0	5,000	(5,000)	0	0	0	0	5,000
RO-09	Golf Cart Storage	0	(5,738)	5,738	0	0	0	0	0	0	0
RO-12	WP Sun Shelter	67,566	(70,198)	2,632	0	0	0	0	0	0	0
RO-15	Water Feature	0	0	0	0	0	0	0	250,000	0	0
RO-17	WP Concrete Drive	0	0	0	0	5,000	5,000	0	0	0	0
RO-18	WP Shelter	0	0	0	0	0	0	50,000	0	0	0
RO-19	Maint. Bldg. Improve.	0	0	0	0	40,000	40,000	0	0	0	0
RO-22	Tee Expansion & Berms	0	0	0	0	0	0	9,000	0	0	0
RO-26	Gas Pumps	30,000	0	0	30,000	0	30,000	0	0	0	0
RO-29	Tee Markers	0	0	0	0	4,000	4,000	0	0	0	0
RO-30	Replace WP Decking	0	0	0	0	0	0	200,000	0	0	0
	Total	176,286	(121,160)	22,239	77,365	39,629	116,994	279,000	257,000	0	5,000

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Springfield Oaks Golf Course and Youth Activity Center

			1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed New 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
	SO-02	Clubhouse Improve.	0	0	0	0	0	0	0	15,000	0	0
	SO-04	Cart Path Improvement	16,482	(17, 886)	1,404	0	10,000	10,000	12,000	10,000	0	10,000
	SO-09	Course Trees	3,000	(3,473)	473	0	4,000	4,000	4,000	0	0	5,000
	SO-11	Parking & Lighting	61,589	(57,195)	0	4,394	0	4,394	0	0	0	0
`	SO-12	Improve #15 Tee	7,000	0	0	7,000	0	7,000	0	0	0	0
	SO-13	Dredge Ponds	20,108	(20,258)	150	0	0	0	0	0	0	0
	SO-14	Gas Pump	30,000	(495)	0	29,505	0	29,505	0	0	0	0
	SO-15	Maint. Bldg. Addition	40,000	(29,751)	9,351	19,600	(5,000)	14,600	0	0	0	0
	SO-18	Replace Fairway Pipes	0	0	0	0	10,000	10,000	0	0	0	0
	SO-19	Replace #18 Green	0	0	0	0	0	0	20,000	0	0	0
	····	Total	178,179	(129,058)	11,378	60,499	19,000	79,499	36,000	25,000	0	15,000

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 White Lake Oaks

	·	1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed New 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
WLO-01	Irrigation & Auto.	165,500	(168,393)	2,893	0	0	0	15,000	0	0	15,000
1177 (2) (2)	Sprinkler	0	0	0	0	10 000	12 000	0	0	10.000	^
WLO-03	Cart Path Improvement	0	0	0	0	12,000	12,000	0	0	10,000	0
WLO-07	Parking Lot Lights	10,681	(14,483)	3,802	0	0	0	0	0	0	0
`WLO-08	Renovate Maint. Bldg.	161,255	(167,421)	7,988	1,822	0	1,822	0	0	0	0
WLO-11	Tree Planting	6,000	(7,714)	1,714	0	6,000	6,000	0	6,000	0	0
WLO-12	Clubhouse Roof Imp.	0	0	0	0	0	0	20,000	0	90,000	0
WLO-14		0	0	0	0	0	0	0	40,000	. 0	0
WLO-15	Pave North Parking Lot	5,000	(792)	0	4,208	80,792	85,000	0	30,000	0	0
WLO-16		30,000	Ó	0	30,000	0	30,000	0	0	0	0
WLO-17	Greens Rebuilding	0	0	0	0	0	0	17,000	0	18,000	19,000
WLO-18	Replace Heating &	0	0	0	0	30,000	30,000	0	Õ	0	0
0 10	Cooling	· ·	· ·	·	· ·	20,000	20,000	Ü	ŭ	v	ŭ
WLO-19	Addition to Cart Strg.	0	0	0	0	0	0	20,000	0	00	0
	Total	378,436	(358,803)	16,397	36,030	128,792	164,822	,000	76,000	118,000	34,000

# Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Waterford Oaks

	·	1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed New 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
WAO-01	Technical Support	471,403	(527,532)	56,129	0	0	0	0	0	10,000	0
	Bldg. Improvement										
WAO-05	Winter Park Act.(A)	520,030	(30)	0	520,000	0	520,000	500,000	0	0	0
WAO-08	Master Plan	0	0	0	0	0	0	15,000	0	0	0
` WAO-10	BMX Improvements	0	0	0	0	0	0	0	6,000	0	0
WAO-14	Tennis Courts	60,000	(18,500)	(40,000)	1,5000	(1,500)	0	0	0	0	2,000
	Resurfacing	•									
WAO-15	Act. Ctr. Improvement	0	0	0	0	0	0	0	0	200,000	0
<b>WAO-18</b>	Signage	3,000	0	0	3,000	2,000	5,000	0	0	0	0
	Play Lot	15,000	0	0	15,000	0	15,000	0	0	0	0
	Road Improvements	0	0	0	0	0	0	0	100,000	0	0
	House Removal	12,000	(2,538)	0	9,462	(4,462)	5,000	0	0	0	0
<b>WAO-26</b>	WP Bldg. Renovation	0	Ó	0	0	300,000	300,000	0	50,000	0	0
	and Carpet										
WAO-27	Land Acquisition	132,233	(131,754)	616	1,095	(1,095)	0	0	0	0	0
<b>WAO-28</b>	Act. Ctr. (A/B)	0	Ó	0	0	35,000	35,000	0	0	0	0
WAO-29	New WP Attraction	0	0	0	0	0	0	200,000	0	0	0
	Grant Funds	0	0	0	0	0	0	0	0	0	0
	Private Funds	0	0	0	0	0	0	(250,000)	0	0	0
	Total	1,213,666	(680,354)	16,745	550,057	329,943	880,000	465,000	156,000	210,000	2,000

(A) \$250,000 State Grant; \$270,000 Park Funds

(B) \$250,000 State Grant; \$250,000 Park Funds

### Oakland County Parks and Recreation Commission 1992 Capital Improvement Budget and Four Year Forecast As of August 31, 1991 Orion Oaks

		1991 Project Cost Estimate	Pd/Awarded through 8/31/91(-)	Adjust to Project Cost (+/-)	1991 Project Balance as of 8/31/91	Proposed New 1992 Projects	Proposed 1992 Capital Budget	1993	1994	1995	1996
OO-01	Facilities Development - Phase I (A)	0	0	0	0	0	0	0	0	0	500,000
									0	0	0
	Total	0	0	0	0	0		0	0	0	500,000

(A) Subject to Government Grant

### Oakland County Parks and Recreation Commission Capital Improvement Schedule (C.I.S.) Potential Grant Projects

SITE	DESCRIPTION	YEAR	ESTIMATE	SOURCE
General Park System	Potential Land Acquisitions General Improvements: Acquisitions in southwest Oakland County, adjacent to existing parks or unique areas.	1992-93	600,000	Local & State Grant
	Potential Land Acquisitions General Improvements: Fencing, staff access entries and or roads to new acquisitions.	1994-96	900,000	Local & State Grant
Addison Oaks	Sanitary System Improvement: Renovation of existing sanitray system.	1991-92	200,000	Local & State Grant
	Major Play Area: Play sturctures/equipment and site amenities.	1992	100,000	Local & State Grant
	Camping, Phase II: Modern camping development and site amentities.	1994	400,000	Local & State Grant
	Beach Development: New beach and facilities development and site amenities.	1995	500,000	Local & State Grant
	Camping, Phase III: Continued development of modern campground and site amenities.	1996	350,000	Local & State Grant
Groveland Oaks	Major Play Area: Play structures/equipment and site amenities.	1991-92	100,000	Local & State Grant
	Campground Improvement, Phase II: renovation of existing facilities to a modern campsite.	1993	200,000	Local & State Grant
	New Group Camping Area: Development of group camping facilities and amenities.	1994	100,000	Local & State Grant
	Campground Improvement, Phase III: Renovation of existing facilities to a modern campsite.	1996	250,000	Local & State Grant
Independence Oaks	Major Play Area: Play structures/equipment and site amenities.	1994	100,000	Local & State Grant
	Trail Development (new acquisition): In southern portion of park, amenities (shelters, boardwalks, etc.)	1993	200,000	Local & State Grant

SITE	DESCRIPTION	YEAR	ESTIMATE	SOURCE
Independence Oaks	Log Cabin (Pioneer Living, Historic Site): Reconstruction and programming of a historical structure.	1996	75,000	Local & State Grant
Orion Oaks	Orion Oaks Phase I Development: First phase development of a conference/camping facility.	1995-96	500,000	Local & State Grant
Red Oaks	Shelter Development: Construction of a picnic/shade shelter at water park.	1992	75,000	Local & State Grant
	New Water Features: General water feature	1993	100,000	Local & State Grant
	for all age groups. Children's Water Features	1995-96	500,000	Local & State Grant
Waterford Oaks	Winter Park Activity: refrigerated	1991-93	500,000	Local & State Grant
	toboggan slide and related amentities. Play Features: Play structure/equipment and site amenities	1993	100,000	Local & State Grant
	New Water Feature: Water related features for children.	1994	500,000	Local & State Grant
	Sports Complex: Possilbe soccer or similar field sport facility.	1995-96	500,000	Local & State Grant
Springfield Oaks - YAC	Picnic Areas: Picnic area development including trails, shelters, restrooms and related amenities.	1992	150,000	Local & State Grant
	Play Area: Play structures/equipment and other site amenities,	1994	50,000	Local & State Grant
	Sports Fields: Softball or socer field	1995	250,000	Local & State Grant
	development. Camping: Development of semi-modern campgrounds and support facilities (i.e. restrooms, shelters, etc.)	1996	100,000	Local & State Grant

Section III Basis for Action Program

### **B**ASIS FOR ACTION PROGRAM

The Action Program for the Oakland County Parks and Recreation System emphasizes land acquisition, general facilities improvement, outdoor education and water related activities. These programs are derived from a clear understanding of future needs and directions.

The Commission has continually monitored the recreation needs of residents and gathered input from staff and other recreation administrators to gain an understanding of future needs and directions. The measurement and evaluation of needs and demands has taken a variety of forms and includes the following:

- Evaluation
- Mission Statements
- Recreation Deficiencies

A detailed description of the planning process and the general conclusions which were reached form the Basis for the Action Program and are described as follows.

### **Evaluation**

The basis for any action program must be founded on need and internal evaluation. The evaluation assesses the strengths and weaknesses of the County Park system and helps establish necessary improvements.

### Commission and Staff Input

Numerous Commission and staff meetings have been held to gain an understanding of the main operational and management issues facing the County Parks and Recreation System. Deficiencies identified include maintenance and its rising costs, special facility needs of senior citizens, minorities, and the underprivileged, improved therapeutics programs, improved barrier-free access, improved visibility and public image, the balance between facilities development and natural landscape values preservation, Commission involvement in historic site preservation, and the renovation of mobile recreation units.

The Commission and staff believe the basic goal of the Oakland County Parks and Recreation System continues to be the provision of a basic county park offering day use recreation experiences such as picnicking, swimming, beach activities and trail hiking to large numbers of county residents. Generally, these park activities should occur in or adjacent to relatively natural, wooded or aquatic environments except for a few special facilities such as the wavepools. The Commission will consider fairly large tracts of land for future parks in order to offer traditional recreational opportunities in natural settings and also include innovative facilities where appropriate.

### Analysis of Municipal Recreation Plans and State Recreation Plan

Recreation plans have been received from many of the communities within Oakland County. The recreation plans were examined to identify existing and proposed facilities and to further refine the future course and direction of the county's parks and recreation system.

It was generally concluded, from the review of the recreation plans, that most communities are providing excellent recreation opportunities at the local level. Therefore, the County should not attempt to duplicate local recreation services but rather concentrate on large scale parks offering picnicking, swimming, hiking trails and other uses which may take place in a natural setting. An evaluation of state and regional facilities (HCMA) was also conducted to determine long term needs and improvements.

### Physical Inventories

The various physical and cultural features which comprise the county's recreation resource base and the transportation network which connects these resources were initially mapped in 1986 using information from Commission, state, regional and county sources. The revision of the Plan includes updates of this mapped information.

The revision of facility inventories, both contained within the body of this Plan and in the Appendices, were accomplished by a cooperative effort between Commission staff and Carlisle Associates. Information sources included the Oakland County Planning Division, Michigan Department of Natural Resources, Michigan Department of Transportation, Michigan Bureau of History, and the township, village, and city staff of Oakland County communities.

### Surveys

The 1986 and 1992 Parks and Recreation Master Plans each relied on two survey methods to generate public comment regarding the facilities and programs sponsored by the Parks and Recreation Commission.

### 1986 Surveys

In 1986, two mail surveys were undertaken to obtain more detailed information on the county's recreation needs and problems as perceived by community leaders and county residents. One survey focused on elected officials and appointed administrators. The second survey contacted a sample of households within the county.

The following groups were contacted as part of the administrators survey: Oakland County Commissioners, mayors of Oakland County cities, municipal recreation directors, Oakland County Park Foundation board members, and Commission staff (manager position and above); a total of 185 survey packets were distributed.

Two questionnaires were sent to each administrator. The first consisted of seven general questions asking about the county park systems value, land needs, facilities, park distribution, recreation opportunities and fees, and an open ended question to allow for additional comments. The second part of the survey consisted of eighteen questions which asked the respondent to think more specifically about

county park facilities and programs, park size, accessibility, provision of special facilities, etc. A total of 121 administrators responded (65% response rate). The highest return rate came from city managers, municipal recreation department directors, park commissioners and commission staff.

The citizen survey was mailed to 3,205 Oakland County households. The survey asked nineteen questions and provided an opportunity for open comment. The response to this survey was low. Only 311 households (9.7%) returned completed surveys and another 497 (15.5%) returned incomplete surveys. (Two reminder post cards and a final reminder letter and second questionnaire were sent in an attempt to increase the response rate.)

The low citizen response rate appeared to result from a limited awareness of the park and recreation opportunities offered by the county or confusion of county park facility with the parks operated by the State or the HCMA. In spite of the low response rate it was felt that the citizen survey produced valuable data unavailable through other sources.

Conclusions drawn from the survey results support the 1992 Action Program. When asked to list three activities that respondents enjoyed at Oakland County parks; beach activities, sunning and swimming were by far the most often mentioned with thirty-one percent of the respondents choosing beach activities. Golf was the second favorite activity with fifteen percent of the respondents selecting golf. In the southeastern portion of the county, fifty percent of the respondents chose picnicking and beach activities as their preferred activities. Overall the wave pool and other activities were ranked as the fourth, camping and fishing as fifth and baseball as the sixth most popular activities. These preferences and survey information help provide further rationale for physical improvements and a clear foundation for the action program.

Additional details regarding the citizen and administrator survey's are included in Appendix A and B respectively.

### 1991 Surveys

In 1991, a telephone survey was used to solicit citizen comment regarding the County Park System.

The telephone survey was conducted by Nordhaus Research Inc. For the "Image, Attitude and Awareness Study," registered voter households were randomly selected to participate in a twelve minute interview. Four hundred interviews were completed between August 29 - September 1, 1991; calls were made during daytime and evening hours. The results of this study are listed as follows.

- The major task facing the Oakland County Parks and Recreation Commission is that of increasing awareness of the Park System while creating and promoting a unique identity for Oakland County parks.
- Overall, opinions about the Oakland County Park System are very favorable.
- The parks' strongest market segment consists of younger, more educated households with children under the age of eighteen.

- Strategic planning should be guided by a focus on group activities. Potential park visitors are far more likely to want recreational activities geared toward the family or the household unit than the individual.
- Cleanliness and good maintenance is an important part of Oakland County Parks' image that could be used advantageously in advertising and promotions.
- Land acquisition for the protection of wildlife should assume a higher priority than land acquisition for recreational opportunities.
- County residents will be highly unlikely to vote in favor of more taxes to cover the cost of land purchases. Fund raising through private donations should be given strong consideration.
- Taking care of the recreational needs of senior citizens, and the mentally and physically handicapped is a widely-accepted role for the Oakland County Park System. Providing special facilities, programs and events would be consistent with residents' sentiments. Advertising and promotional efforts to enhance Oakland County Parks' image along these lines should be considered.
- Oakland County parks are seen as a valuable asset. There was nearly complete agreement that they contribute to the quality of life in the community. These widely-held opinions represent a strong endorsement of the Park System that could be used advantageously in advertising and promotions, and seeking funds through grating agencies or private donations as well.
- Waterford Oaks and Orion Oaks are the county parks in the greatest need of increased public awareness.
- Increased awareness of County Parks could lead to greater park usage. Lack of awareness was the second most frequent reason given for not visiting any of the Oakland County Parks.

Additional information regarding the telephone survey is available in Appendix A.

### 1991 Public Comment Survey

The second means of gaining public comment regarding the County Park System was through the distribution of comment cards which focused on long range planning questions at a selected number of County Park sites: Independence Oaks, Addison Oaks, and Groveland Oaks. Of the 3,000 cards distributed 106 were returned to the Parks and Recreation Commission. The highest response rate was from visitors to Groveland Oaks.

The Commission has distributed other response card series at the various county facilities, focusing on specific park amenities, golf course facilities, mobile recreation, water parks, and winter recreation facilities. It is the intention of the Commission to continue to distribute these cards and monitor the responses of park users. While the response rate is less than anticipated, general survey results support the proposed Action Program.

Sample copies of the comment cards have been included in Appendix A.

### Workshops

As part of the planning process in 1986 and 1991, several workshops were held with participants from local government, Park Commissioners and staff, and professional planners. The workshops were based on delphi techniques to help initiate free discussion and to identify deficiencies, opportunities and set priorities to establish the park system's future needs and directions. The following provides a brief summary of each workshop.

### Local Government Workshop, 1985

This workshop was attended by elected officials and administrators. An open invitation was sent to all the communities within the county. Mayors, city managers, village presidents, municipal park directors, professional staff and others involved or interested in recreation issues were encouraged to come. The twenty-six communities which sent representatives were: Southfield, Holly Village, Hazel Park, West Bloomfield, Waterford, Novi, White Lake Township, Oakland Township, Orion Township, Milford Township, Brandon Township, Wixom, Royal Oak Township, Bloomfield Hills Schools, Birmingham, Ferndale, Oxford, Independence Township, Oak Park, Rochester, Rochester Hills, Troy, Royal Oak City, Farmington Hills, Auburn Hills, and Berkley.

The forum allowed participants to express their views in small groups. Responses were not stimulated or guided by the planners. The specific results are contained in Appendix B.

### Oakland County Park and Recreation Staff Workshop, 1985

All management staff except the Manager, Assistant Manager and Park Commissioners participated. Workshop participation represented a cross-section of employees with representatives from golf operations, finance, park operations, planning, public relations and programs joining the session.

### Oakland County Park Commissioners Workshop, 1985

Participants included the Board of Park Commissioners, park managers, and the Assistant Manager. The workshop focused on issues concerning future development, current problems and deficiencies.

### Professional Consultant Workshop, 1985

The professional workshop was arranged to discuss the roles of state, regional and local government and the opportunities at the various levels. Other issues which were discussed were the means of coordinating services to avoid duplication, the role of government versus private businesses (and how they might work together effectively), and the types of facilities the county should provide in the future.

# Oakland County Parks and Recreation Commission and Local Department Directors and Commissioners Meetings, 1991

### January 29, 1991

The purpose of the meeting was to receive feedback from local communities on how the Oakland County Parks and Recreation Commission can help the local communities and to hear what the communities perceive the Commission's role to be regarding the following subjects: community brochure program, county-sponsored tennis and/or golf tournament, therapeutic recreation, and the future development of Orion Oaks.

In addition to representatives of the commission and staff, the following communities participated in this workshop: Waterford Township Parks, Springfield Township Parks, Oxford Township Parks, West Bloomfield Township Parks, Northville Community Recreation, Independence Township Parks, Novi Parks and Recreation, Royal Oak Recreation and Public Service, Southfield Parks, Troy Parks and Recreation, Berkley Parks and Recreation, Clawson Parks and Recreation, Pontiac Recreation Division, Bloomfield Hills Recreation and Community Service, Orion Township Parks, Oak Park Recreation, Huntington Woods Parks and Recreation, and the Rochester-Avon Recreation Authority.

### May 15, 1991

The Oakland County Parks and Recreation slide presentation was shown. The primary topic of discussion was the future direction of the Park System. Specific issues covered were land acquisitions (location and criteria), types of facilities, county-wide recreational land master plan, future development of Orion Oaks, therapeutic recreation, and millages.

In addition to representatives of the Commission and staff, the following groups were represented at the meeting: Beechwood Homeowners Association, Berkley Parks and Recreation, Bloomfield Hills Parks and Recreation, Clawson Parks and Recreation, Farmington Hills Parks and Recreation, Hazel Park Parks and Recreation, Novi Parks and Recreation, Oak Park Parks and Recreation, Royal Oak Parks and Recreation, Southfield Parks and Recreation, and Troy Parks and Recreation.

#### June 13, 1991

A special meeting between Parks and Recreation Commissioners and the representatives of the Springfield, Independence, Brandon and Orion Township Parks and Recreation Commissions.

The Oakland County Parks and Recreation slide presentation also was shown, with discussion on the Orion Oaks ballot issue, land acquisition policies, special population programs and possible future millages.

### Public Meetings

All Park Commission board meetings are open to the public. When the master plan was an item on the agenda, it was given regular public notice in addition to notification in the local newspapers.

### Mission Statements

From the information gathered through surveys, staff and Commission meetings and general citizen input, the Oakland County Parks and Recreation commission and staff held a retreat to discuss and develop Mission Statements to guide the long range development of park programs and facilities. The mission statements provide further rationale and an additional basis for the Action Program. The following are the Commission's Mission Statements.

### Comprehensive Mission Statement

To provide all residents of Oakland County with recreational, leisure and learning experiences, parks, open spaces, facilities, professional staff and fiscal management resulting in a comprehensive county park system that enhances the residents' quality of life.

### **Human Resources Mission Statement**

To provide a competent, professionally trained staff to administer the policies and programs of the Parks and Recreation Commission resulting in a high quality, accessible parks system for its patrons.

#### Goals

- 1. Continue to identify staffing needs and establish positions for expanded facilities and programs.
- 2. Continue to provide funding and opportunities for staff training.
- 3. Provide staff with appropriate and current equipment and facilities
- 4. Provide open lines of communication for staff to address needs and concerns.
- 5. Nurture opportunities for informal communication between Commission and staff.

### **Objectives**

- 1. Review and evaluate staff positions and duties and correlates with job requirements.
- 2. Investigate potential training, educational, and motivational programs.
- 3. Evaluate staff requirement as related to job performance and cost to determine need.
- 4. Develop appropriate and realistic policies and opportunities for staff input.
- 5. Investigate opportunities and provide an appropriate environment, facility and mechanism to permit staff and Commission discussions on common ground.

### Financial Resources Mission Statement

To provide to the citizens of Oakland County sound fiscal management of voted tax revenues and other income utilized for a quality Oakland County park system.

#### Goals

- 1. Promote the passage of the Commission's millages.
- 2. Review established user fees to assure they are reasonable and equitable and to further maintain the concept of a self-supporting operation.
- 3. Aggressively pursue grant funding.
- 4. Continue the program of park acquisition.
- 5. Provide funding for future capital improvements
- 6. Increase efficiency for cost reductions.

### Objectives

- 1. Evaluate the opportunities and activities that comprised the 1990 millage program for future residents.
- 2. Evaluate the existing user fees for Oakland County Parks and Recreation as compared to fees for similar systems and/or facilities.
- 3. Continue to process grants through the traditional programs while investigating new sources of funding.
- 4. Continue earmarking funds for future acquisition and investigating sites based on a criteria which includes need, desirability, uniqueness, access and size.
- 5. Continue to provide funding for capital improvements and investigate and evaluate the potential of a new millage for acquisition and development.
- 6. Develop a system which has the capability of comparing cost/benefits including components of energy, labor and need for capital projects, products and equipment.

### Physical Resources Mission Statement

To acquire, improve, and maintain for all residents of Oakland County, year-round, diversified, universally designed physical resources which result in the effective utilization of recreational properties, preservation of natural areas and the satisfaction of present and future recreational needs.

### Goals

- 1. Promote the development of both traditional and innovative facilities and programs in new or existing parks.
- 2. Promote the development of park standards relative to Oakland County.
- 3. Promote the acquisition of additional parklands to assist servicing areas within the County that are under serviced or deficient.
- 4. Maintain and update existing facilities.
- 5. Promote and implement universally designed facilities.

### **Objectives**

- 1. Continue to promote the development of popular, traditional recreational activities (i.e., swimming, picnicking, golfing, camping, cross country skiing) while investigating innovative recreational opportunities on a regional scale.
- 2. Develop policies relative to long-term planning objectives to help guide and maintain continuity between administrations.
- 3. Promote the acquisition of large tracts of land with the best recreational value that characterize: unique or natural features, historic sites and preservation related facilities, open space and ecological systems especially within the southern portion of Oakland County.
- 4. Continue to provide quality facilities by appropriating sufficient funds and supporting appropriate and qualified staff to assure continued upgrading and proper maintenance of physical resources.
- 5. Re-evaluate the adopted Orion Oaks Master Plan considering new data, philosophy, finance and trends.
- 6. Develop inventory of existing facilities for compliance with the American Disability Act (ADA) and schedule upgrades as required.

#### **Consumers Mission Statement**

To provide all Oakland County residents a wide range of high quality, affordable, safe, recreational experiences which result in an enhanced leisure life style, and better physical and mental health.

#### Goals

1. Continue to participate in the Southeastern Michigan Council of Government or other organized forums to discuss and exchange ideas relative to recreation on a regional scale.

- 2. Continue to develop planning processes which promote better services to the citizens and monitoring of perceived or real problems and opportunities.
- 3. Continue to provide quality activities, programs and services that meet the various needs and wants of Oakland County residents.
- 4. Promote the visibility and image of the park system to existing and potential users.
- 5. Promote a better appreciation of Oakland County's natural environment through outdoor experiences and programs.

### **Objectives**

- 1. Improve the communication network and coordination between governmental agencies and educational institutions which pertain to recreational activities within Oakland County.
- 2. Develop and promote user surveys and interviews on a park and county-wide level to monitor user needs and expectation as well as satisfactions and dissatisfactions.
- 3. Identify specific target markets to research for improved or new programs.
- 4. Expand the planning and programming already developed for the millage to capture and improve visibility.
- 5. Integrate environmental and outdoor educational messages through existing public communication messages.

From these planning activities, the Oakland County Master Plan and Action Program was drafted to serve as a guide to the recreation facilities planning and development for the next five years.

### Recreation Deficiencies

The following recreation issues have been identified through the facility inventories, surveys and workshops which were completed as part of the planning process. These issues begin to define the broad park and recreation needs of Oakland County residents and further establish a basis for the action program. The issues which will be more carefully analyzed in the following pages are: Visibility and Public Relations, Financial, Planning and Coordination, Innovative Park Facilities, Popular Activities, Administration, and Parkland Acquisitions.

### Visibility and Public Relation Needs

Visibility, name recognition and public awareness of county park facilities continues to be an issue for the Oakland County Parks and Recreation System. This is particularly true close to the core of the Detroit Metropolitan Area where there are many local park systems, state parks and HCMA parks available to the public in addition to the county parks.

As stated above, Oakland County Parks suffer an identity problem. County parks are often confused with the state and HMCA parks; or, in some cases, the names of county parks were not recognized at all. According to the results of a telephone survey conducted by Nordhaus Research Inc. and Needham Advertising, in August 1991, twenty-eight percent of the respondent households could not name any specific county park. The names of state and metroparks frequently were confused for Oakland County parks. For example, Kensington, Stoney Creek and Dodge Park were often erroneously named as Oakland County parks. Of the Oakland County parks, Independence Oaks and Addison Oaks were the most frequently named, and Waterford Oaks and Orion Oaks were least often named.

Other responses recorded by the Nordhaus survey provide further support of the identity problems of the county park system. For example, twenty-eight percent of respondents were completely unaware of Oakland County parks, and thirty-four percent of the households did not have any knowledge of park facilities, services or activities or comments regarding the county park system.

Public awareness of Oakland County parks is a problem which was identified in the 1986 Master Plan. At that time a citizen survey revealed that seventy-four percent of respondents did not have any knowledge of Oakland County Parks and Recreation programs, and only twenty-eight percent could name at least one park. When one compares these figures with those cited above, it can be seen that some progress has been made in the past five years.

A study conducted by Anthony Franco, Inc. for the Parks and Recreation Commission revealed the following general conclusions regarding park awareness and satisfaction of Oakland County residents which tend to support the conclusions of the most recent survey effort.

Respondents demonstrate a high degree of name recognition of the Oakland County Parks and Recreation facilities when given the names, but are less likely to recall the names without prompting.

Kensington was the park most often named, followed by Independence Oaks, Stoney Creek, Addison Oaks and Bald Mountain. When aided and unaided responses are combined, Addison Oaks is the most recognized of the Oakland County parks, followed by the name "Oakland County Parks and Recreation; and Independence Oaks". Though no park, county or otherwise is named by a majority of respondents.

The majority of respondents are aware of the major non-Oakland County parks are also aware of at least one Oakland County park.

Respondents from the northern part of the county are more aware of Oakland County parks than respondents from the south.

Male and female respondents are generally, equally aware of the different Oakland County parks, except for Glen Oaks, which was more recognized by men. The respondents most likely to be aware of the Oakland County parks fall into the 25-34 and 35-44 age groups.

Through a series of workshops and retreats held over the past several years, the Parks and Recreation Commission and staff have also identified the lack of public awareness of county park facilities, programs, and activities as a concern. The Commission has implemented a new logo but feels that more promotional and

public relations efforts are necessary in order to develop the County park system's identity as unique. Commission members and staff perceive a need for increased advertising, networking, cooperative promotions, and funding to improve system visibility and awareness, and, thereby, increase the system's user base.

In summary the need to improve the public awareness and general visibility of the Oakland County Park System continues to exist. Increased facility use and program participation may be expected if county residents know where the parks are located, the programs which are offered, and their availability for use.

### Financial Needs

The Oakland County Parks and Recreation Commission has developed and operated the Park System using general tax revenues, tax millages, interest income, user fees, and state and federal grants. In 1990 a revenue budget of \$9,739,040 was originally proposed. The budget was adjusted in 1990 to reflect a one percent increase to \$9,884,718. The operating budget, proposed at \$8,191,965, was adjusted to \$8,076,457 indicating a 1% decrease with capital improvements increasing 0.85% from \$1,547,075 to \$1,808,261. The total 1991 budget was \$10,360,890.00. Approximately eighty-five percent of the revenues for 1991 were spent on operations and fifteen percent were applied to capital development.

Operations and capital improvements have remained in balance through past administrations. Over the past five years, though revenues have been increasing, operational costs have escalated at faster rate. The result has been a reduction in the funds available for capital improvements and development. The Commission and staff are concerned that operational costs may soon overtake funds for capital improvements. The end result is that a means of curbing operational costs and increasing revenues where possible must became a priority. Voter support of another means of funding may be necessary as well.

The Commission has taken a responsible role in requiring that most facilities be positive revenue producers. It has now become critical to maintain the Commission's philosophy that new or existing facilities must be either revenue generators or, at minimum, breakeven operations in order to continue to satisfy existing needs.

Past surveys have indicated that user fees have been appropriately set for the services provided. While some groups have suggested raising fees to cover more of the existing operations, others do not believe that fees should cover all operating costs because the taxpayers feel that their tax revenues already contribute a large portion of this cost.

The 1991 citizen survey indicated land acquisitions, park improvements or special programs would not be supported if these expenditures resulted in an additional tax burden for property owners. Private donations were cited as the preferred source funds for future land acquisition and improvements.

### Planning and Coordination

Recreation planning in the southeastern section of Michigan, the greater metropolitan area of Detroit and surrounding counties has been a relatively autonomous governmental function. Generally recreation and park facilities have been provided to the level each governmental unit deems appropriate. This has

resulted in some areas having more public recreation facilities than others and some duplication of facilities and services. Individual planning efforts have resulted in each governmental unit trying to serve their own "constituency", which in many cases encompasses the same groups or users.

During the 1986 Master Plan effort, many participants suggested the need to identify the general role of each governmental unit and to coordinate recreation planning efforts to better serve the public and avoid duplication of services. It was also suggested that this coordination effort become a continual and flexible process in order to accommodate demographic changes, energy constraints, and the demand for particular leisure activities.

Increased coordination of planning efforts has occurred during the past five years due to the activities of groups such as SPARCS (derivative of acronym for State, County, and Regional Area Parks Systems), and the efforts of the state, county, and regional park systems. The Oakland County Parks and Recreation Commission has established a relationship with the Southeastern Council of Governments as a means of promoting a comprehensive, regional planning process. This regional planning effort needs to be continually strengthened, constantly monitored to assure increased awareness and coordination required to efficiently fulfill the recreation demands and needs of county residents.

### **Innovative Park Facilities**

The development of innovative park programs, activities and facilities has been a high priority for the County Parks and Recreation Commission over the past five years. The 1986 Plan outlined an interest, on the part of the Parks and Recreation Commission and park users, for the County to pursue large projects such as additional water features (wavepools or waterslides), historic demonstration projects, interpretive nature preserves, cooperative educational programs with the school districts, expanded BMX facilities, outdoor recreational vehicle trails, a soccer complex, winter toboggan runs, additional golf facilities, and cultural facilities.

The major accomplishments to occur since the above list was drafted have been the completion and opening of a new water park in the southeastern section of the county, and completion of Orion Oaks Master Plan, a universally designed conference and camping facility located in the central portion of the county. A new refrigerated toboggan slide is planned for development within the next two years.

These projects coupled with new parkland acquisitions adjacent to existing facilities or in new areas demonstrates the continued effort of the Commission to provide unique and quality facilities and programs.

There continues to be a need for unique and innovative types of recreation facilities in the Detroit Metropolitan Area. However, each proposal of a progressive or innovative type of facility needs to be examined and a market analysis completed to determine the user demands and recreation trends prior to actually developing plans. Once the needs are determined, a cost analysis should be performed to demonstrate if the operation will be self-supporting prior to making a commitment to a particular project.

### **Popular Park Facilities**

The County Park System is consistently improving or expanding facilities for popular activities such as picnicking, golfing, and camping, etc. These activities are integral to the fulfillment of the recreational needs in the County.

Several new shelters, beach improvements; including a new bathhouse and concession building at Groveland Oaks, and restroom and concession facilities at Waterford Oaks demonstrates this commitment to providing popular activities and facilities.

New programs, such as mountain biking and special events, coupled with an expanded mobile recreation program and park facility improvements have been investigated and are being implemented to fulfill the demand of new popular activities and programs.

### **Administrative Needs**

Administrative needs continue to be implied in two area: 1. availability of resources and revenues to produce a quality product and maintain or improve productivity; 2. concern for better communication between the Commission and staff, and the proper training and management of human resources within the County Park system.

The Commission workshops and retreats have been a means by which concerns have been articulated. Staff has indicated that improved communication within all levels is desirable. It has been suggested that cooperation among governmental units should also continue to improve. In addition, it has been suggested that staff training such as periodic seminars or workshops which assist in producing a more efficient operation should continue.

Staff difficulties with the administrative complex were solved when the new administrative offices were occupied in 1988, and a central maintenance complex created a modern facility fulfilling the needs of a more efficient operation for a growing park system.

In 1991 staff discussions identified the following as the most pressing administrative need of the Park System: keeping up with technological advances; keeping current of new legislation and regulations, safety education, updated equipment, computerization and training.

### Parkland Acquisition

Most of the County parklands are located in the northern portion of Oakland County. Red Oaks, which is located in the southeast, is the major exception. This pattern of development has been the result of land availability and the urbanization or suburbanization of some areas, and natural feature conditions.

By examining the composite location of state, HCMA and county parklands, it is clear that there is a distinct lack of parkland in the southeast and southwest portions of the county. The county is diligently pursuing acquisition of parklands in the southwest portion of Oakland County as well as properties adjacent to existing parks. Grants have been received, and are proposed for acquisitions.

Administrative responses to parkland acquisition are enthusiastic, particularly for acquisitions in the southeastern and southwestern portions of the county. Households who responded to the Nordhaus survey felt that future acquisitions should be primarily for the protection of wildlife. Those households identified as regular park users emphasized the purchase of land to develop future recreational opportunities. The purchase of property to preserve historic sites and regional heritage was the last choice of both regular and non-regular park users.

When asked how new parklands should be paid for, respondents to the 1991 telephone survey felt that private donations or gifts should be used for land purchases. The respondents were consistently opposed to any programs or acquisitions projects which would require additional taxes.

Section IV Description of Planning Process

# ESCRIPTION OF PLANNING PROCESS

Preliminary work on the Oakland County Recreation Master Plan began in early 1991. At that time, Commission staff began preparing facility and recreation deficiency updates. Needs Assessments and Capital Improvement Budgets were also prepared by Commission staff. In the fall of 1991, Carlisle Associates, Inc. was hired to develop a draft master plan in accordance with MDNR standards. This was followed by formal review of the draft plan by the Oakland County Parks and Recreation Commission as well as a formal public hearing.

This master plan was developed using four major sources of information. This included:

- Staff Input and Involvement
- Citizen Input
- Development of Draft Plan
- Public Hearing and Review

### Staff Input and Involvement

The updated of the Parks and Recreation Plan included a Commission and staff retreat which was organized to discuss the status of the Commission's goals and policies regarding future development. In addition to this retreat Commission staff also began the update of the recreation inventory for the variety of community facilities within Oakland County to determine the various recreation deficiencies within the county and to provide a basis for facility development.

Staff also conducted a variety of departmental meetings which were designed to determine long term planning needs for the various parks and recreation programs. It is from these department meetings, the Commission and staff retreat, and the community description and recreational facility inventories analyses that the Commission's Mission Statements were developed.

Appendix B contains information detailing Admimistrative Input.

### Citizen Input

The planning process also included a telephone survey which was used to receive citizen comments regarding the County Park system. This telephone survey was conducted by Nordhaus Research Inc. and included 400 households. The survey was used to judge image and attitudes held by Oakland County park users.

In conjunction with the telephone survey, the county has been conducting an ongoing public comment survey. This survey utilizes comment cards which focus on long range programs at selected county park sites. Over 3,000 public comment cards have been distributed and were used to solicit responses regarding satisfaction levels and park facility needs.

Appendix A contains more detailed information regarding the citizen surveys.

### **Development of Draft Plan**

Utilizing background studies and input gathered from staff and the public, Carlisle Associate, Inc. was employed to develop a draft master plan. This master plan was submitted to county staff for review and input. A public hearing was conducted on December 4, 1991 to receive comments regarding this document. After the public hearing, staff developed further revisions and a final document was submitted to the Michigan Department of Natural Resources for review and approval.

The Commission staff recognizes that the county park system and recreation programs must be responsive to the needs of the residents and provide necessary recreation opportunities. The entire planning process emphasizes the importance of public input. The needs of the public are continually evaluated through periodic citizen surveys and questionnaires as well as ongoing public comment cards which are distributed at various park facilities. It is through this process of public input that the county parks and recreation staff maintains responsive recreation programs and facilities.

Section V Community Description

# **NVENTORY OF LAND & FACILITIES**

The following inventory includes acreages for state, Huron-Clinton Metropolitan Authority (HCMA) and county recreational lands. Only those municipal facilities which correspond in size and scope to facilities Oakland County provides or might provide were inventoried. The recreational land and facilities inventory is meant to provide a means of determining future county recreational needs. Map 1 depicts the regional distribution of state, HCMA and county parks.

### Inventory of State Lands and Facilities

The State Department of Natural Resources owns approximately 27,666 acres of land in Oakland County (See Map 2). These park and recreation areas are generally located in large natural areas which have been preserved for public use and enjoyment and are distributed evenly throughout the county except in the south and southeastern communities. The following lists the parklands located in Oakland County:

Bald Mountain Recreation Area	4,637 acres
Dodge No.4	139 acres
Highland Recreation Area (Dodge No. 10)	5,524 acres
Holly Recreation Area	7,670 acres
Island Lake Recreation Area	176 acres (3,466 Total)
Ortonville Recreation Area (Bloomer State Park #3)	972 acres (4,875 Total)
Pontiac Lake Recreation Area	3,700 acres
Proud Lake Recreation Area	3,614 acres
Rochester-Utica Recreation Area (Bloomer State Park #2)	208 acres (1,334 Total)
Seven Lakes State Park	1,410 acres

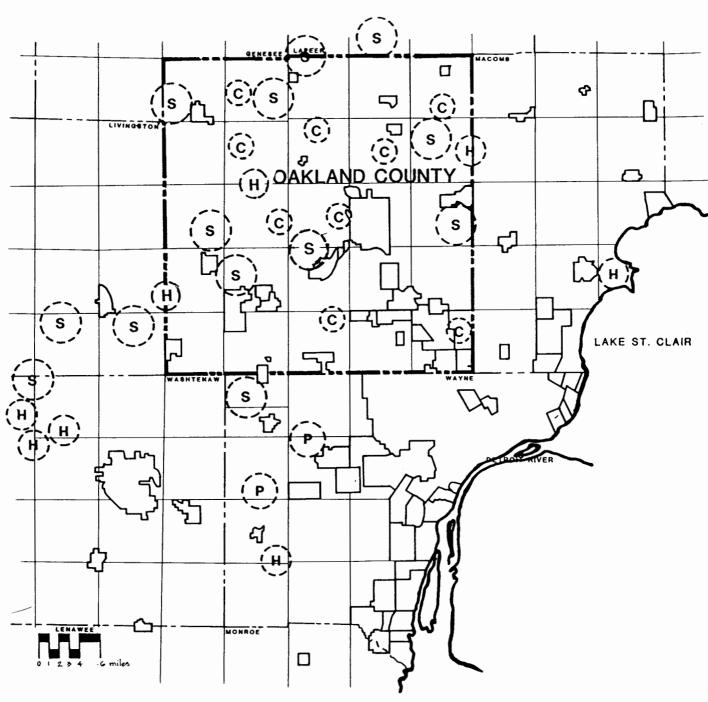
(Source: Department of Natural Resources Michigan State Park Guide, 1990.)

The Island Lake and Ortonville Recreation Areas straddle Oakland County's border with Livingston and Lapeer Counties respectively. The Island Lake Recreation Area, and Kensington Metropark form a corridor along the Huron River. The Rochester-Utica Recreation Area is part of a linear park system which bounds the Clinton River as it flows into Macomb County.

The following provides a brief description of the state recreational lands located in Oakland County.

### Bald Mountain Recreation Area - 4.637 Acres

- Hiking trails 10 miles
- Primitive campsites 25 sites (State Park Guide shows none)
- Group primitive campsites 1 site
- Waterfront 72,000 linear feet
- Natural swimming area 97,500 square feet with a beach house
- Beach House Concession
- Open to fishing 71,025 linear feet
- Boat launch ramp 1 site



Legend

S) State Recreation Land

P Parkway

(H) H.C.M.A. Park

(C) County Park

### **Regional Recreation Composite**

Oakland County
Parks & Recreation
Carlisle Associates, Inc.
Community Planners & Landscape Architects



Map 1

- Boat launch parking 26 spaces
- Picnic tables 100 tables and shelter available
- Playground
- Open to hunting 3,117.9 acres including a shooting range.
- Open to snowmobiles 2,973.0 acres

### Dodge No. 4 State Park - 139 Acres

- Waterfront 9,300 linear feet
- Natural swimming area 75,000 square feet
- Beach House and Concession
- Open to fishing 8,550 linear feet
- Boat launch ramp 1
- Boat launch parking 80 spaces
- Picnic tables 175 tables and shelter
- Playground
- Open to snowmobiles 130 acres

### Highland Recreation Area - 5,524 Acres

- Cross country trails 10 miles
- Nature trails 1 mile
- · Horseback trails 15 miles
- Hiking trails 4 miles
- Primitive campsites 30 total group primitive campsites available
- Waterfront 132,000 linear feet
- Natural swimming area 26,000 square feet
- Open to fishing 131,740 linear feet
- Boat launch ramps 5
- Boat launch ramp parking 85 spaces
- Picnic tables 127 tables and shelter
- Playground
- Open to hunting 3,781.9 acres
- Open to snowmobiles 3,703 acres

### Holly Recreation Area - 7,670 Acres

- Horseback trails 8 miles
- Hiking trails 18 miles
- Modern camp sites 161 sites, cabins and tent rentals available.
- Waterfront 41,850 linear feet
- Natural swimming area 136,500 square feet
- Beach House and Concession
- Open to fishing 29,235 linear feet (5 fishing sites)
- Boat lunch ramps 4
- Boat launch ramp parking 118 spaces
- Picnic Area 266 tables and shelter
- Playground
- Open to hunting 7,475.5 Acres
- Open to snowmobiling 2,446 acres

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### Island Lake Recreation Area - 176 acres in Oakland County (3,466 Total Acres)

- Primitive campsites 45
- Group campsites cabins available
- Picnic Area Picnic Shelter
- Playground
- Beach House and Concession
- Boat Launch
- Swimming Area
- Open to hunting
- Open to fishing
- Open to snowmobiling
- Hiking trails

### Ortonville Recreation Area - 972 acres in Oakland County (4,875 Total Acres)

- Primitive campsites 25
- Organizational camping
- Cabin Rental
- Picnic Area Picnic Shelter
- Playground
- Beach House
- Swimming Area
- Open to hunting
- Open to fishing
- Open to snowmobiles
- Cross country skiing
- Horseback riding

### Pontiac Lake Recreation Area - 3,700 Acres

- Sledding hill -1
- Horseback trails 13 miles and a riding stable
- Hiking
- Modern campsites 176 sites
- Organization Camp 1
- Tent Rentals
- Waterfront 34,420 linear feet
- Natural swim area 150,000 square feet
- · Beach House
- Open to fishing 349,750 linear feet
- Boat launch ramp 1
- Boat launch parking 80 spaces
- Boat concession area
- Picnic Area Picnic shelter
- Playground
- Open to hunting 3,667.7 acres including archery & rifle ranges
- Open to Snowmobiles 3,586 acres

### Proud Lake Recreation Area - 3,614 Acres

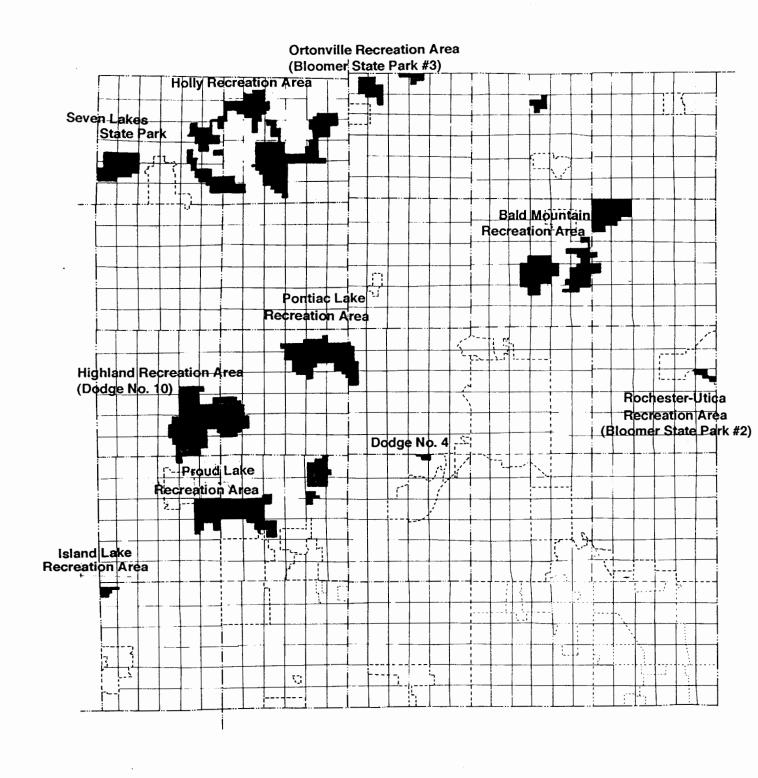
- Senior citizen center 1
- Cross-country trails 8 Miles
- Hiking
- Nature trails 5 Miles
- Horseback trails 6 Miles
- Modern campsites 130
- Cabins available
- Waterfront 42.000 linear feet
- Beach House and concession
- Natural swimming area 50,000 square feet and a beach house
- Open to fishing 41,500 linear feet
- Launch and concession
- Boat launch 2
- Boat launch ramp parking 25 spaces
- Picnic Area 83 tables and shelter
- Open to hunting 2,076.8 acres
- Open to snowmobiles 3,035 acres

## Rochester-Utica Rec. Area - 227.3 acres in Oakland County (1,334 Total Acres)

- Organization Camping
- Picnic Shelter
- Open to fishing
- Hiking trails
- Cross country skiing

### Seven Lakes State Park - 1,377.8 Acres

- Waterfront 34,180 linear feet
- Natural swimming area 75,000 square feet
- Beach House
- Open to shore fishing 2,076.8 linear feet
- Open to hunting 1,377.8 acres
- Open to snowmobiles 1,374.0 acres
- Hiking trails
- Cross country skiing





Map 2

### **State Parkland Inventory**

Oakland County Parks & Recreation Carlisle Associates, Inc.

Community Planners & Landscape Architects



Legend



### Inventory of Huron-Clinton Metropolitan Authority Lands & Facilities

The Huron-Clinton Metropolitan Authority (HCMA) was sanctioned by the Michigan State Legislature in Act No. 147 of the Public Acts of 1939, and was approved in 1940 by the citizens of Livingston, Macomb, Oakland, Washtenaw and Wayne Counties which constitute the Metropolitan District. According to the provisions of the Act, the five counties were to be joined in a metropolitan district for planning, promoting and/or acquiring, constructing, owning, developing and maintaining, either within or without their limits, parks, connecting drives and/or limited access highways. The Board of Commissioners held their first meeting in 1941.

Named after the two longest rivers within its boundaries, the Authority's major endeavor is the preservation of the scenic beauties and recreational resources along the Huron and Clinton Rivers for public use. Since its inception, it has created large public parks located within the environs of the best natural resources possible, consideration to population trends within the district and with a minimum disruption of existing land use.

The HCMA owns approximately 7,196 acres of land in Oakland County (See Map 3.) The following park lands are totally within the county's boundaries:

### Indian Springs Metropark - 2,232 acres

Dedicated in June 1982, the park is located in Springfield and White Lake Townships about five miles southwest of Clarkston. The park is situated at the headwaters of the Huron River and encompasses the Huron Swamp, which is the largest undisturbed natural area remaining in southeastern Michigan. Most of the park activities focus on the preservation and interpretation of the natural environment.

- Playfield
- Winter sports
- Nature trails (6± miles)
- Interpretive building
- Picnic areas
- Paved trails (8 miles)
- 18-hole golf course and driving range and golf starter building

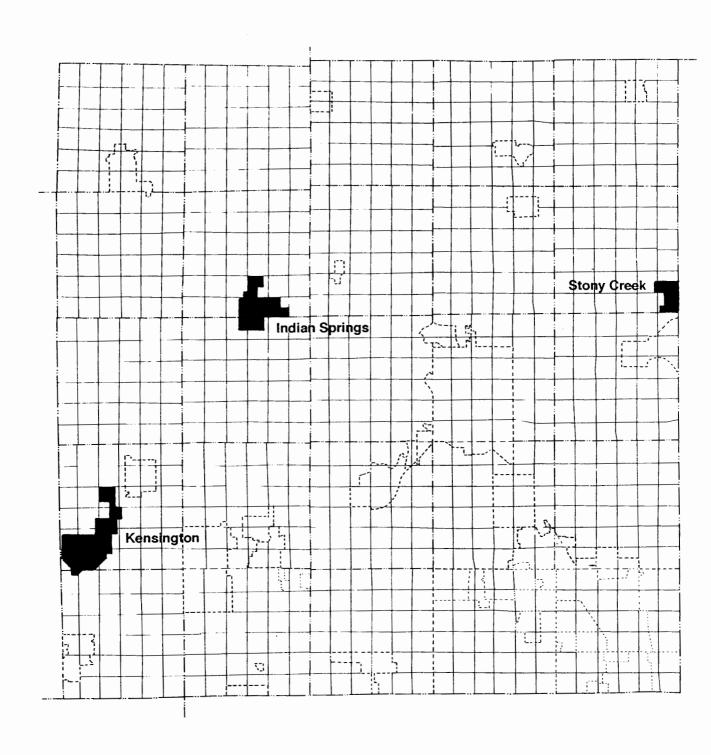
### Kensington Metropark (3,882 acres in Oakland County)

- Ball diamonds 9
- 18-hole golf course
- Sledding hills 3
- Natural ice rinks 73,000 square feet
- Cross-country trails 13.9 miles
- Nature trails 5.5 miles
- Bike-hike trail 8 miles
- Fitness trail 1.25 miles
- Group camping 1
- Waterfront
- Natural swim area
- Shore fishing
- Pier fishing 1,500 linear feet

- Boat launch ramps 2
- Boat launch parking 250
- Marina slips 141
- Livery boats 95
- Nature study area 2,700 acres
- Interpretive building 1
- Picnic Area
- Playground
- Farm center 100 acres

### Stoney Creek Metropark (1,214 acres in Oakland County)

- Boat launch
- Boat launch parking 150 cars (fee)
- Boat storage
- Hiking and biking trails 7.5 miles
- Bike rental
- Interpretive Center
- Swimming
- Group camping
- Fishing
- Picnicking
- Cross-Country trails
- 18-hole golf course
- Ice skating
- Sledding
- Fitness trail 2.6 miles





Map 3

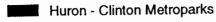
### **Huron-Clinton Metroparks Inventory**

Community Planners & Landscape Architects

Oakland County Parks & Recreation Carlisle Associates, Inc.



Legend



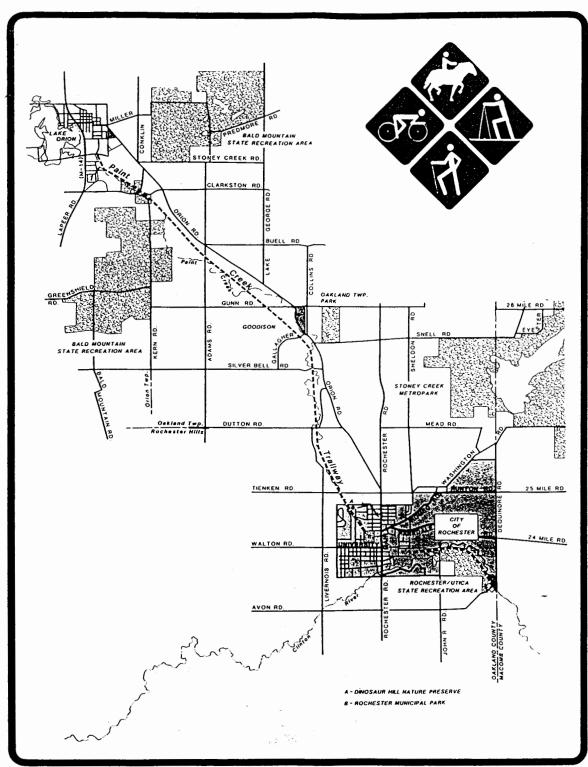
### Trailways Commission-Paint Creek Trail

The Paint Creek Trail is 10.5 miles of former Penn Central Railroad right-of-way extending from the southern boundary of the Village of Lake Orion through Orion Township, Oakland Township, Rochester and Rochester Hills to the Oakland-Macomb County line. Approximately one mile of the trail, as it passes through the city of Rochester, follows that city's bike routes.

The Paint Creek Trail is owned by the Trailways Commission which was formed under the Urban Cooperation Act, Act 7 of 1967. The Commission was established through an intergovernmental trailways agreement between the four communities through which the trail passes The Penn Central right-of-way was acquired as a public recreational trail in 1983. Funds for the acquisition were obtained from the communities of Rochester Hills (formerly Avon Township), Oakland Township, Orion Township and Rochester.

The primary purpose of the trail is to provide bicyclists, equestrians, hikers, joggers and cross country skiers a safe and scenic recreational trail within the highly populated and urbanized metropolitan area. The Paint Creek Trail links two major regional parks, the Bald Mountain State Recreation Area at the north end and the Rochester-Utica State Recreation Area at the south end.

The Paint Creek Trail is a day use facility only; the trail is closed between the hours of 10 p.m. - 6 a.m. and no overnight use is permitted. The trail surface is eight feet wide and finished in a smooth hard all weather limestone.



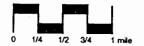
Map Courtesy of the Trailways Commission



### Paint Creek Trail

Oakland County Parks & Recreation





### Inventory of Oakland County Lands and Facilities

Since 1966, approximately 4,052 acres of land have been acquired by the Oakland County Park System with assistance from state and federal governments. To date, there are nine (9) County parks which range in size from 53 acres to 1,088 acres. The parks are listed as follows:

### Addison Oaks (793.38 acres)

Addison Oaks, opened in 1971, is located in the extreme northeast part of the county east of Lake Orion. The park has a good mix of hardwood stands, swamps, marshes, open fields and a 35 acre lake. A Tudor-style conference center, built in 1927, is available for wedding receptions, banquets, parties and limited group conferences, with no overnight lodging accommodations. The master plan completed in 1978 calls for trolley services, an 18-hole golf course, fifteen acre botanical garden, additional family and group camping, nature center, field and court games.

### Major Facilities:

- Conference center
- Hiking trails
- 50 Rustic campsites
- Swimming beach
- Picnic areas
- Lake skating
- Fishing
- Row boats and paddle boats
- 50 Modern campsites
- Cross Country Skiing

### Glen Oaks (124.97 acres)

Glen Oaks is one of two County parks located in the southern portion of the County. Glen Oaks is located between 13 and 14 Mile Roads between Orchard Lake Road and Northwestern Highway. The park functions primarily as a golf course and clubhouse. The clubhouse can be used for large banquets, wedding receptions and golf outings.

### Major Facilities:

- 18 hole golf course
- Clubhouse and banquet facility
- Pro shop
- Lockers
- Bar and grill

### Groveland Oaks (359.97 acres)

Groveland Oaks is locate in the northwestern part of the county between the Villages of Holly and Ortonville. The park was purchased in 1967 from a privately run campground. An additional 162 acres were acquired in 1987 and 1.09 acres in 1990. The park has 600 campsites, beach and swimming area, 63-foot water slide ride and picnic areas. Stewart Lake (35 acres)

divides the site into an east and west half. Islands within the lake are also used for day picnics by groups. The master plan for this park was completed in 1975 and calls for 735 campsites, comfort stations, camp stores, play areas, pathways, court games, administration center, lawn games, shelter and additional boating facilities.

### Major Facilities:

- Campground (600 sites)
- Convenience store
- Swimming beach
- Picnic facilities
- Modern restrooms and showers
- Sanitary dump station
- Island picnicking
- Boat and canoe rental
- Water slide
- · Children's play areas
- · Picnic shelters and warming area

### Independence Oaks (1,088.04 acres)

Independence Oaks, opened in 1967, is located in the northern central area of the county, northeast of Clarkston. An additional 74 acres was acquired between 1986 and 1988. The park is in the Clinton River Watershed and the Lake St. Clair-Lake Erie Drainage Basin. Crooked Lake (approximately 68 acres) is a primary feature in the park. The park features a nature interpretive center with exhibits and educational programs and an amphitheater in addition to the Twin Chimneys Shelter which is rented out for reunions, parties and weddings. A year-round interpretive program is provided for families, schools and other organizations. Other activities include camping, swimming, fishing, hiking and boat rentals. The master plan for the park was completed in 1977 and calls for 380 campsites.

### Major Facilities:

- · Picnic areas and shelters
- Boat rental
- Fishing
- Hard surface trails
- Swimming area
- Shelters
- Organizational camping
- Cross-country ski trails and rentals
- Boat ramp and docks
- Ice fishing
- Nature interpretive center
- Ice skating and hockey
- Interpretive programs
- Play areas

### Orion Oaks (927 acres)

The park is a new addition to the park system and is currently in the process of developing a new park master plan. The park was purchased in 1980 with cooperation from the MDNR. The master plan for this park proposes a universally designed camping and environmental education conference facility and includes opportunities for boating, fishing, hiking environmental study area as well as many other programmed activities.

Major Facilities: Undeveloped.

### Red Oaks (135.25 acres)

Red Oaks is located east of John R. Road close to the dense population area. The Red Drain was converted to accommodate the nine-hole, golf course and a wave pool.

### Major Facilities:

- Golf dome/sports village
- 9-hole golf course (120.99 acres)
- Driving range
- Wave pool (21 acres)
- 3 Water slides

### Springfield Oaks (276.14 acres)

Springfield Oaks is located in the northwest portion of the county, southeast of Holly Village. The park offers an activity center, golf course, pro shop, cart rentals, bar and grill, and other recreation facilities. Parties, both large and small, are accommodated in addition to fairs, 4-H activities and banquets or conferences.

### Major Facilities:

- Youth Activities Center (107.4 acres)
- Golf course (169.14 acres)
- Activity building with kitchen, 800 person auditorium, dance floor
- Two (2) horse riding arenas (one lighted)
- Grandstands
- Soccer
- Ice rink
- Picnic area
- Cross-country skiing

### Waterford Oaks (154.65 acres)

Waterford Oaks serves as the administrative complex for the park system and as the headquarters of the Commission. The park is located northwest of the City of Pontiac in Waterford Township. Primary access is off of Scott Lake and Watkins Lake Roads. The facility offers a wave action pool and a two-flume water slides. Other facilities include lighted platform tennis, shuffle board and horseshoe courts. The activity center provides

space for banquets, receptions, and parties as well as dancing and educational classes.

### Major Facilities:

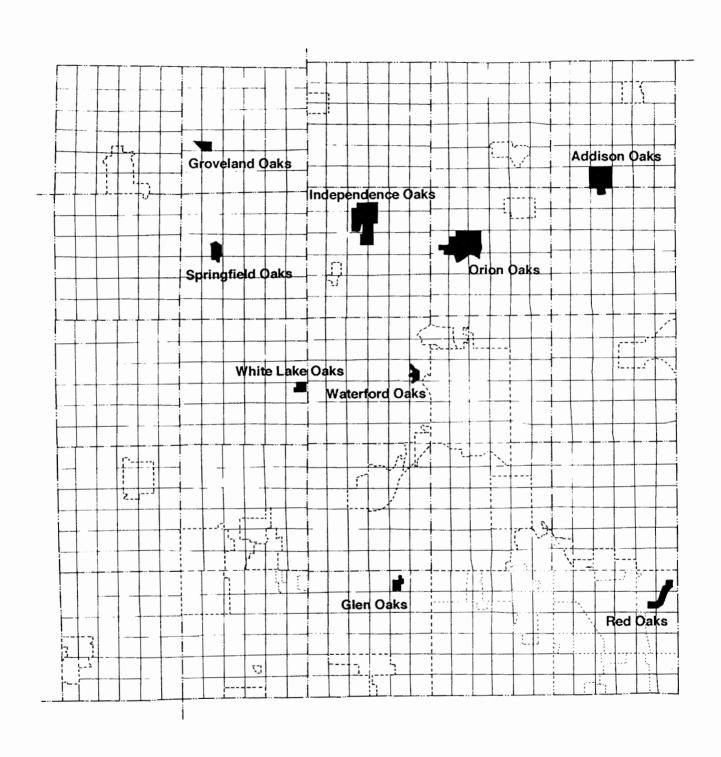
- Activity building with kitchen, 400 person auditorium, dance floor
- Administrative offices and board meeting room
- BMX bicycle race course
- Eight outdoor tennis courts
- Two (2) lighted platform tennis courts
- Ten (10) shuffleboard courts
- Ten (10) horseshoe courts
- Wavepool
- 2-Flume water slide
- Picnic areas

### White Lake Oaks (193.18 acres)

White Lake Oaks is located off of M-59 and Williams Lake Road. In 1970, the Commission purchased the golf course. In 1975, twenty-eight additional acres were added to the park. This property offers 18-holes of challenging golf with watered fairways and greens. This serves as the site for the State Senior Citizen Golf Tournament and Junior Golf League Invitational every summer.

### Major Facilities:

- Cross-country skiing
- Bar and grill
- Clubhouse
- Banquet facilities (260 people)
- 18-hole golf course
- Pro shop

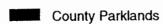




Map 5

### **Oakland County Parkland Inventory**

Legend



Oakland County
Parks & Recreation
Carlisle Associates, Inc.
Community Planners & Landscape Architects

### **Inventory of Recreation Programs**

The Oakland County Parks and Recreation Commission runs programs on a yearround basis. Recreation programming by the County is designed to supplement those programs offered at the local level. To this end the County provides mobile recreation units for swimming, skating, shows, puppets, sports, movies and nature study. The mobile units are available to local communities and county residents at a modest fee.

The Waterford Oaks activities center is programmed for classes in dog obedience, sewing, taxidermy, ballroom dancing, snowmobile safety, belly dancing and square dancing. Activities are also planned for senior citizens in cooperation with their local organizations. The Springfield Oaks Youth Activity Center is used yearly by 4-H members and other youth groups.

A somewhat general listing will provide an idea of the scope of recreational programs offered. The variety of programs continues to be modified and change as conditions, trends and user demands shift.

- Arts and crafts
- Photography
- Interpretive programs
- Platform tennis tournaments
- Musical programs
- Antique shows
- BMX races
- Golf tournaments (seniors, juniors and adults)
- Golf education classes
- Tennis tournaments
- Mobile units (puppet, skate, sport and show mobile)
- Buses for transportation
- Horseshoe tournament
- Oaklawns Clown Alley (Special program for handicap persons)
- Dancing (square, round and ballroom)
- Cross country skiing (races/tours)
- Ski clinic (instruction)
- Ice fishing
- Sledding
- Winter carnival
- Indoor basketball
- Indoor volleyball
- Classes:
  - Ballet
    Ballroom dance
    Snare drum
    Dog obedience
    Drivers education
    Golf lessons
    Guitar lessons
    Jazz aerobics
    Jazz for girls
    Photography
    Slimnastics
    Square dance
    Tap dance
    Wood carving

Therapeutic Programs offered by the park system include: cross country skiing for the visually impaired, wheel chair basketball, cerebral palsy sports, Special Olympics, Roll-a-thon, miniature golf and special events such as summer picnics and Halloween parties.

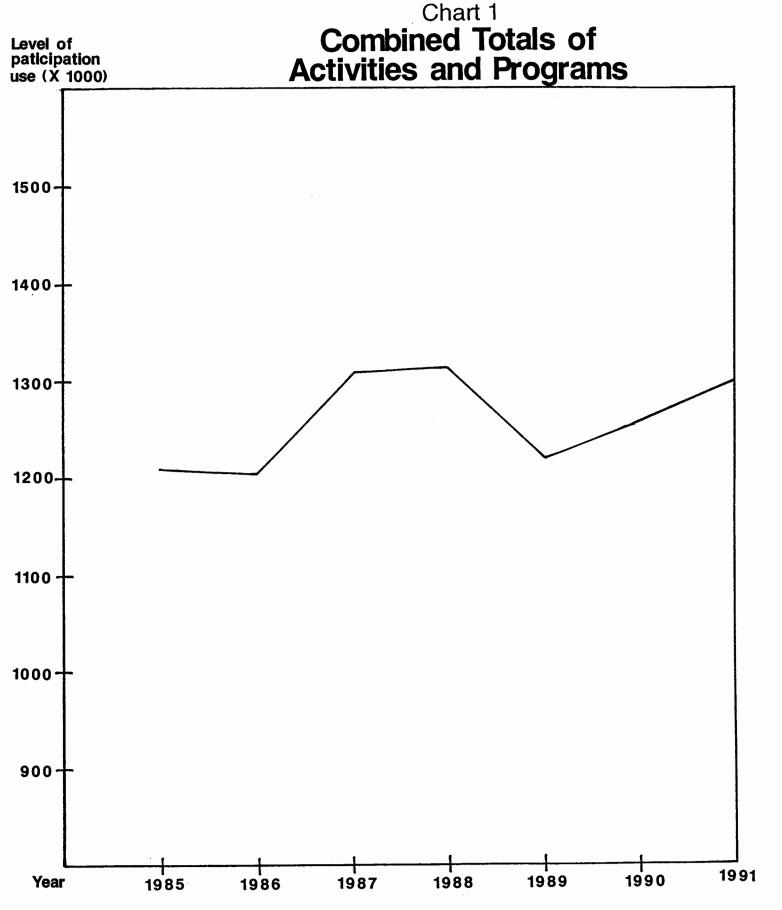
Special Programs specifically designed for seniors include mobile cross-country skiing, Senior Hootenanny, South Pacific, Italian Fest, Senior Day Camp, Senior Athletes (softball, billiards, volleyball) and Senior Olympics.

For more detailed information concerning the county recreation programs, see the 1991 calendar of spring-summer events and fall-winter events in Appendix C.

Oakland County Parks were inventoried for barrier free accessibility. See Appendix E for a complete park and facility breakdown. (County Park facilities currently are being inventoried for compliance with the American Disabilities Act. When this inventory becomes available it will replace the barrier free inventory as Appendix E) Historical sites and districts have also been inventoried, see Appendix D for Michigan Department of History list.

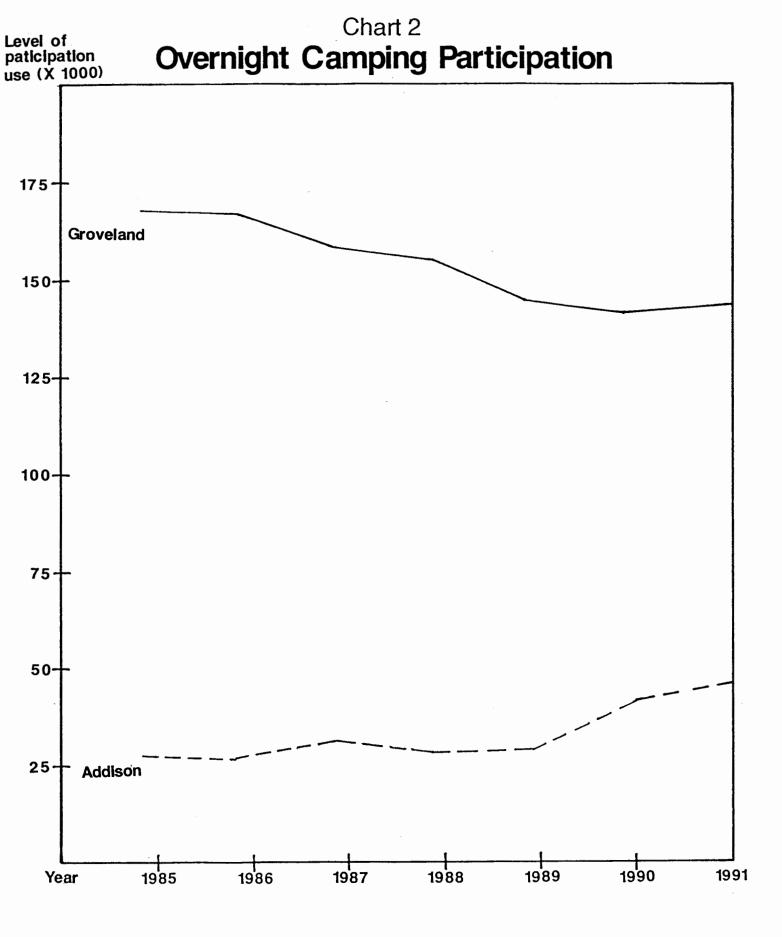
### Participation Rates

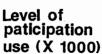
The following charts were assembled from existing data available on various programs. The charts are for general reference purposes only and do not accurately reflect exact counts or actual participants. They are meant as a tool to assist planners in determining general trends related to county programs that presently are operating. The following charts have been developed based on gate receipts and attendance records kept by Oakland County Parks and Recreation Department. The graphics provide general information regarding trends within the county park system. This analysis will be continued on an annual basis to allow park planners the opportunity to compare this information with national, state and local trends. Tracking this information will assist the Department in predicting future demand for facilities and activities. (Note: Show mobile data is not based on actual counts but general estimates of the crowd size and, therefore, is not a true or accurate reflection of participants.)



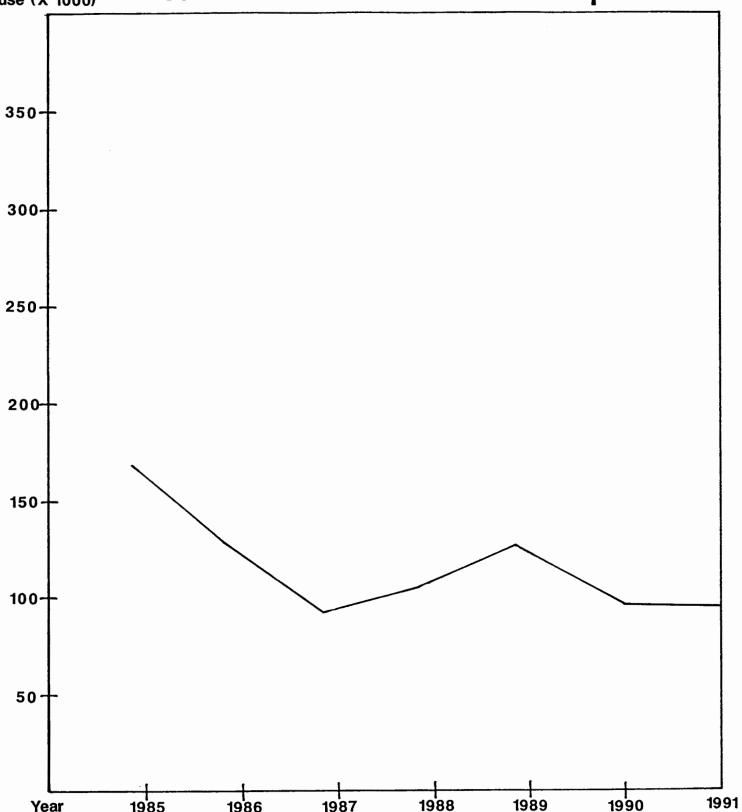
NOTE 1: Lower figures reflect weather conditions.

NOTE 2: New methods for calculating attendance initiated in 1988 reflect a more accurate accounting procedure for users. Prior procedures created inflated figures.

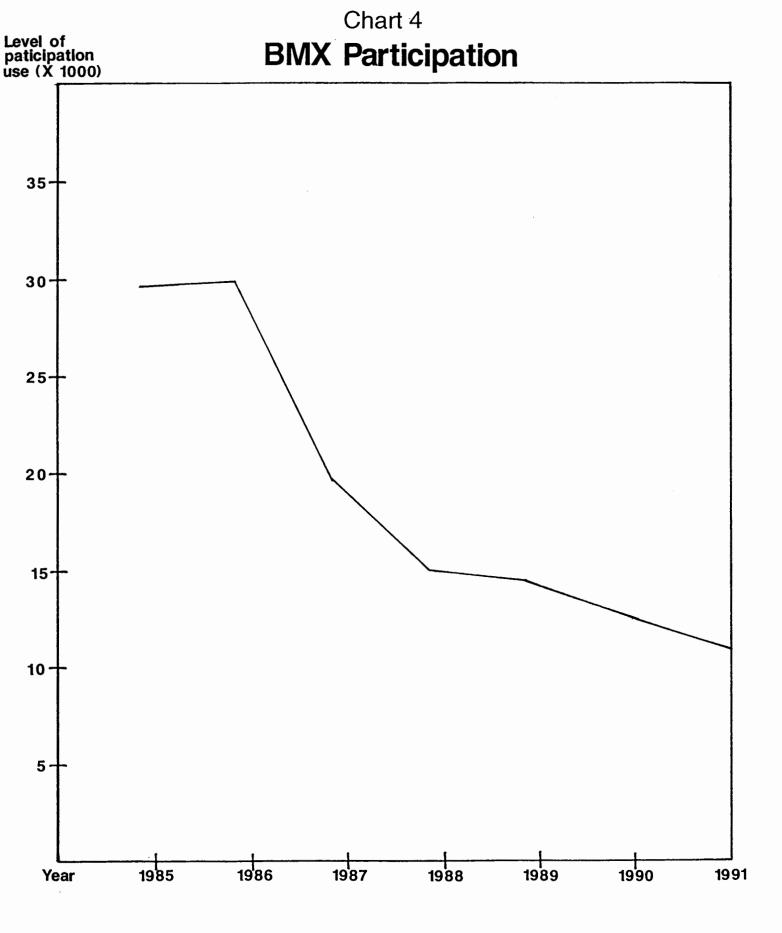




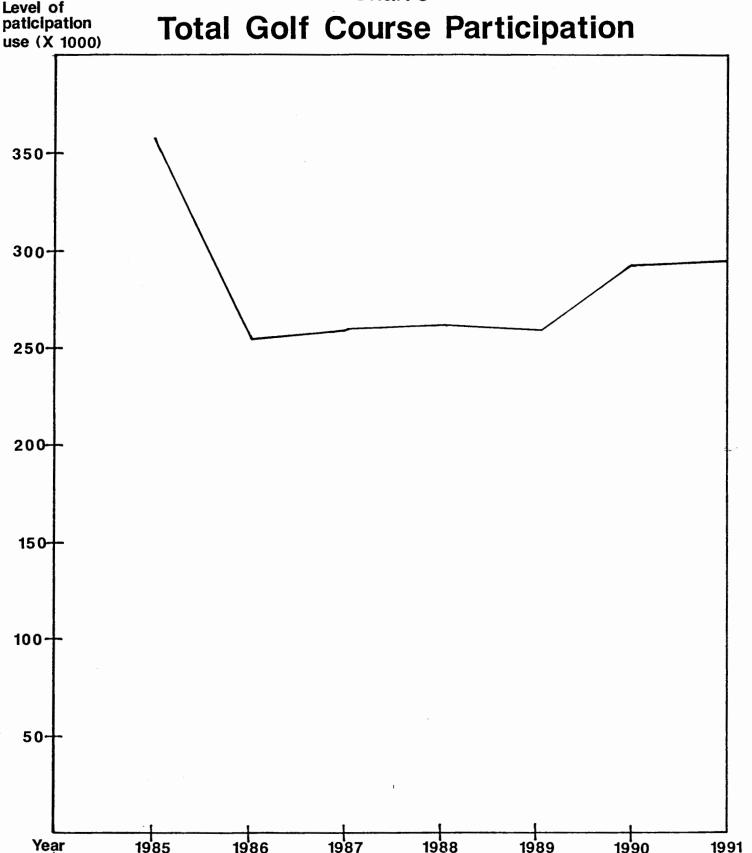
# Chart 3 **Total Mobile Recreation Participation**



NOTE 2: New methods for calculating attendance initiated in 1988 reflect a more accurate accounting procedure for users. Prior procedures created inflated figures.







OTE 2: New methods for calculating attendance initiated in 1988 reflect a more accurate accounting procedure for users. Prior procedures created inflated figures.

## Inventory of Municipal and School Facilities

The facilities provided by the Oakland County Municipalities impact the Oakland County Recreation program. The following lists the community owned facilities which effect demand for county facilities. In addition facilities provided by the school district have been listed. Joint use of facilities has become the foundation for many parks and recreation programs in the metropolitan area. Though some school facilities may not be available to the general public, these facilities fulfill the needs of the student population.

## City of Auburn Hills

#### Public Facilities:

- 1 Ball diamond
- 3 Tennis courts (no lights)
- 1 Shuffleboard
- 1 Frisbee court
- 2 Boat launch-fishing areas
- 1 Golf course
- 1 Nature trail
- 1 Play structure
- 2 Picnic shelters
- 1 Exercise-fitness trail
- 1 Historic facility
- 1 Senior citizen's center
- 1 Recreation Center

#### School Facilities:

Rogers Elementary
Oakland C. C.-Auburn Hills
Graham Elementary
Avondale Senior
Sacred Heart (private)

## City of Berkley

## **Public Facilities:**

- 9 Ball diamonds
- 2 Basketball courts
- 2 Tennis courts (no lights)
- 8 Tennis courts (lights)
- 19 Horseshoe pits
- 5 Play structures
- 1 Ice skating rink
- 3 Picnic areas
- Senior citizen center
- 1 Recreation Center

## **School Facilities:**

Pattengill Elementary Hamilton Elementary Angell Elementary

## Berkley Special Education

Anderson Middle Our Lady of LaSalette (private) Berkley High

## City of Birmingham

## **Public Facilities:**

- 11 Ball diamonds
- 4 Football fields
- 22 Tennis courts (no lights)
- 1 Boat launch/fishing area
- 2 Golf courses
- 6 Play structures
- 2 Ice skating rinks
- 1 Picnic area
- 1 Cross country ski area
- 1 Sports complex
- 1 Food service

#### **School Facilities:**

Seaholm Elementary
Quarton Elementary
Meadow Lake Elementary
Midvale Elementary
Pierce Elementary
Derby Elementary
St. Columban's (private)
Our Shepard Luthern (private)
Schalm Elementary

#### City of Bloomfield Hills

#### **Public Facilities:**

No community owned facilities.

#### School Facilities:

Vaughan Elementary Cranbrook Schools (private)

## City of Clawson

#### **Public Facilities:**

- 4 Ball diamonds
- 2 Soccer fields
- 2 Volleyball courts
- 1 Football field
- 3 Basketball courts
- 2 Tennis courts (no lights)
- 6 Tennis courts (lights)
- 4 Horseshoe pits
- 2 Shuffleboard courts
- 1 Swimming pool
- 3 Play structures
- 1 Ice skating rink
- 3 Picnic areas
- 1 Picnic shelter
- 1 Exercise fitness trail
- 1 Food service
- 1 Senior citizens center
- 1 Recreation Center

## **School Facilities:**

Clawson Middle

Kenwood Elementary

Clawson Middle

## City of Farmington

**Public Facilities:** 

See Farmington Hills

## School Facilities:

Longrace Elementary Flanders Elementary

Our Lady of Sorrows (private)

Farmington High

## City of Farmington Hills

#### **Public Facilities:**

- 11 Ball diamonds
- 5 Soccer fields
- 2 Basketball courts
- 6 Tennis courts (no lights)
- 6 Horseshoe pits
- 1 Golf course
- 1 Nature trail
- 3 Play structures
- 2 Sledding hills
- 2 Ice skating rinks

- 7 Picnic areas
- 6 Picnic shelters
- 1 Cross country ski area

#### School Facilities:

Forest Elementary

North Farmington High

Warner Middle

Fairview Center

Wooddale Elementary

Kenbrook Elementary

Dunckel Middle

Oakland C. C. -Orchard Ridge

Harrison High

**Beachview Elementary** 

Mercy High (private)

Alameda Center

East Middle

Larkshire Elementary

Power Middle

Gill Elementary

William Grace Elementary

## City of Ferndale

#### Public Facilities:

- 12 Ball diamonds
- 9 Soccer fields
- 2 Basketball courts
- 4 Tennis courts (no lights)
- 9 Tennis courts (lights)
- 6 Horseshoe pits
- 9 Play structures
- 1 Sledding hill
- 9 Picnic areas
- 1 Picnic shelter
- 1 Exercise-fitness trail
- 1 Food service

#### School Facilities:

Coolidge Junior

Harding Elementary

**Edison Elementary** 

Ferndale High

Washington Elementary

Taft Elementary

Wilson Elementary

#### City of Hazel Park

#### **Public Facilities:**

5 Ball diamonds

- 4 Tennis courts (no lights)
- 2 Play structures
- 2 Picnic areas

**School Facilities:** 

St. Mary Magdalen (private)

Hazel Park High Hoover Elementary Webster Elementary

**Beacher Junior** 

United Oaks Elementary

Ford Elementary

## City of Huntington Woods

## **Public Facilities:**

- 4 Ball diamonds
- 1 Soccer field
- 7 Tennis courts (no lights)
- 2 Horseshoe pits
- 2 Frisbee courts
- 1 Swimming pool
- 2 Play structures
- 1 Sledding hill
- 1 Picnic shelter
- 1 Exercise-fitness trail
- 1 Recreation Center

#### School Facilities:

**Burton Elementary** 

## City of Keego Harbor

## **Public Facilities:**

- 2 Horseshoe pits
- 1 Senior citizens center

**School Facilities:** 

Roosevelt Elementary

## City of Lake Angelus

**Public Facilities:** 

3 Tennis courts (no lights)

**School Facilities:** 

None.

## City of Lathrup Village

#### Public Facilities:

- Senior citizen center
- 1 Recreation Center

#### **School Facilities:**

Southfield Lathrup High McIntyre Elementary

## City of Madison Heights

#### **Public Facilities:**

- 31 Ball diamonds
- 3 Soccer fields
- 11 Basketball courts
- 9 Tennis courts (no lights)
- 2 Tennis courts (lights)
- 2 Horseshoe pits
- 6 Shuffleboard courts
- 1 Nature trail
- 7 Play structures
- 1 Sledding hill
- 5 Ice skating rinks
- 13 Picnic areas
- 2 Picnic shelters
- 2 Exercise-fitness trails
- 1 Food service
- Senior citizen center

#### **School Facilities:**

Bishop Foley (private)

Lamphere High Hiller Elementary

Lessenger Elementary

Page Middle

Simonds Elementary

Edison Elementary

**Edmonson Elementary** 

Madison High

Schoenhals Elementary

Wilkinson Middle

Halfman Elementary

## City of Northville

**Public Facilities:** 

No community owned facilities.

School Facilities:

Northville Junior/Senior High

## City of Novi

#### **Public Facilities:**

- 6 Ball diamonds
- 2 Soccer fields
- 4 Tennis courts (no lights)
- 1 Beach area
- 4 Play structures
- 3 Picnic areas
- 1 Exercise-fitness trail
- 1 Cross country ski area
- 1 Recreation Center

#### School Facilities:

Novi Middle

Novi Woods Elementary

Orchard Hills Elementary

## City of Oak Park

#### **Public Facilities:**

- 2 Basketball courts
- 2 Tennis courts (no lights)
- 18 Tennis courts (lights)
- 12 Shuffleboard courts
- 1 Swimming pool
- 1 Miniature golf course
- 1 Nature trail
- 5 Play structures
- 2 Sledding hills
- 3 Ice skating rinks
- 1 Picnic area
- 2 Exercise-fitness trails
- 2 Food service
- 1 Health club
- 1 Senior citizen center
- 1 Recreation Center

## School Facilities:

Norup Middle-Tyndall Center

Hebrew Academy (private)

Pepper Elementary

Oak Park High

Our Lady of Fatima (private)

Francis Scott Key Elementary

E. Roosevelt Middle

Best Junior High

Jackson Elementary

Einstein Elementary

Lessenger Elementary

Jefferson Elementary

## C. of Orchard Lake Village

#### Public Facilities:

Nature sanctuary

## School Facilities:

Our Lady of Refuge (private)

Orchard Lake St. Mary's (priv.)

Abbott Middle School

Apple Island (W. Bloomfield

Schools)

## City of Pleasant Ridge

#### Public Facilities:

- 2 Ball diamonds
- 2 Soccer fields
- 1 Football field
- 2 Basketball courts
- 1 Tennis courts (no lights)
- 1 Tennis courts (lights)
- 1 Swimming pool
- 5 Play structures
- 3 Picnic shelters
- 1 Recreation Center

#### School Facilities:

No facilities.

## City of Pontiac

## **Public Facilities:**

- 14 Ball diamonds
- 29 Basketball courts
- 6 Tennis courts (no lights)
- 4 Tennis courts (lights)
- 2 Boat launch-fishing areas
- 1 Golf course
- 1 Swimming pool
- 10 Play structures
- 10 Picnic areas
- 4 Recreation Centers

## **School Facilities:**

Weaver Elementary

Kennedy Junior

Malkim Special Education

Pontiac Northern High

Madison Junior

Pontiac Catholic

Alcott Elementary

Owen Elementary Lebaron Elementary **Emerson Elementary** Lincoln Junior High Wisner Elementary McCarroll Continuing Education Mark Twain Elementary Herrington Elementary Washington Junior High Webster Elementary Pontiac Central Bethune Elementary **Bagley Elementary** Longfellow Elementary Frost Elementary Perdue Continuing Education Jefferson Junior High Franklin Elementary

## City of Rochester

## **Public Facilities:**

- 2 Ball diamonds
- 1 Boat launch-fishing area
- 1 Ice skating rink
- 1 Cross country ski area
- Outdoor education center
- 1 Food service
- 1 Senior citizen center

#### **School Facilities:**

Holy Family School (private) McGregor Elementary St. John's Lutheran (private) Rochester Community Schools

## City of Rochester Hills

#### **Public Facilities:**

- 8 Ball diamonds
- 6 Soccer fields
- 3 Volleyball courts
- 5 Basketball courts
- 5 Tennis courts (no lights)
- 3 Tennis courts (lights)
- 1 Frisbee court
- 1 Boat launch-fishing area
- 1 Beach area
- 1 Golf course
- 1 Nature trail
- 3 Play structures
- 1 Ice skating rink

- 5 Picnic areas
- 1 Exercise-fitness trail
- 2 Cross country ski areas
- 1 Outdoor education center
- 1 Historic facility
- 1 Food service

## School Facilities:

## Adams High

Van Hoosen Junior

Long Meadow Elementary

North Hill Elementary

Oakland University

Meadow Brook Elementary

West Junior High

Rochester High

University Hills Elementary

North Central Christian College

Hamlin Elementary

**Avon School** 

Avondale Junior High

Brooklands Elementary

Reuther Junior High

## City of Royal Oak

#### **Public Facilities:**

- 15 Ball diamonds
- 6 Soccer fields
- 3 Football fields
- 10 Basketball courts
- 15 Tennis courts (no lights)
- 2 Horseshoe pits
- 2 Frisbee courts
- 2 Nature trails
- 25 Play structures
- 5 Ice skating rinks
- 2 Picnic areas
- 2 Picnic shelters
- 3 Exercise-fitness trails
- 1 Outdoor education center
- 1 Food service
- 1 Steam train
- Civic center pavilion

## **School Facilities:**

Upton Elementary Twain Elementary Shrine High (private) Parker Elementary Starr Elementary Kimball High

Oak Ridge Elementary

Churchill Junior

Addams Elementary/Junior Northwood Elementary Dondero High Whittier Elementary Lockman Elementary Helen Keller Junior St. Dennis (private) Lincoln Elementary Oakland Elementary

## City of Southfield

#### **Public Facilities:**

- 2 Ball diamonds
- 7 Soccer fields
- 1 Volleyball court
- 1 Basketball court
- 9 Tennis courts (no lights)
- 9 Tennis courts (lights)
- 9 Shuffleboard courts
- 3 Swimming pools
- 2 Golf courses
- 3 Nature trails
- 10 Play structures
- 1 Sledding hill
- 2 Ice skating rinks
- 9 Picnic areas
- 1 Picnic shelter
- 4 Exercise-fitness trails
- 3 Historic facilities
- 4 Food services
- 4 Sports complexes
- 1 Art center
- 1 Civic center pavilion
- 3 Recreation Centers

#### School Facilities:

Child Development Center

St. Bedes (private)

Vandenberg Elementary

Leonard Elementary

Adlai Stevenson Elementary

Birney Middle

McIntyre Elementary

Thompson Middle

Schoenhals Elementary

Yeshivath Beth Yehudah (priv.)

Adler Elementary

St. Michaels (private)

Southfield High

Eisenhower Elementary

Kennedy Elementary

Levey Middle

Douglas McArthur Elementary Brace-Lederle Elementary

## City of South Lyon

#### **Public Facilities:**

- 3 Ball diamonds
- 7 Soccer fields
- 1 Swimming pool
- 1 Exercise-fitness trail
- Senior citizen center

All facilities owned by school district.

#### School Facilities:

South Lyon High Centennial Middle

## City of Sylvan Lake

## **Public Facilities:**

- 2 Beach areas
- 1 Recreation Center

## School Facilities:

Whitfield Elementary

## City of Troy

## **Public Facilities:**

- 7 Ball diamonds
- 11 Soccer fields
- 1 Volleyball court
- 2 Basketball courts
- 14 Tennis courts (no lights)
- 1 Golf course
- 2 Nature trails
- 4 Play structures
- 2 Picnic areas
- 1 Picnic shelter
- 2 Exercise-fitness trail
- 1 Cross country ski area
- 1 Outdoor education center
- 1 Historic facility

## **School Facilities:**

Hamilton Elementary Smith Middle Martell Elementary Troy Union Elementary

Wass Elementary Leonard Elementary Costello Elementary Athens High Larson Middle School Hill Elementary Schroeder Elementary Boulan Park Middle Bemis Elementary Troy High Wattles Elementary Baker Middle **Barnard Elementary** Pembroke Elementary Morse Elementary Susick Elementary

## City of Walled Lake

#### **Public Facilities:**

- 4 Ball diamonds
- 5 Soccer fields
- 17 Volleyball courts
- 4 Football fields
- 1 Swimming pool

All facilities owned by school district

#### School Facilities:

St. Matthew Lutheran (private)
Decker Elementary
Walled Lake Junior High
Walled Lake Elementary

## City of Wixom

## **Public Facilities:**

- 3 Baseball fields
- 1 Soccer field
- 1 Nature trail
- 1 Ice skating area
- 1 Picnic area
- 2 Exercise-fitness trail
- Senior citizen center

#### School Facilities:

Wixom Elementary

## Addison Township

**Public Facilities:** 

No community owned facilities

## School Facilities:

Kingsbury School (private) Leonard Elementary Lakeville Elementary Hamilton-Parsons Elementary

## **Bloomfield Township**

#### Public Facilities:

All facilities owned by school district

#### School Facilities:

Fox Hills Bloomfield Hills School Farm Hickory Grove Elementary Nature Center Lahser High Roeper City-Cty Schools (priv.) East Hills Junior Kensington Academy (private) Eastover Elementary Andover High Way Elementary Academy of Sacred Heart (priv.) Harlan Elementary Bloomfield Hills Middle Conant Elementary Covington Middle School West Maple Middle School Br. Rice-Marian High (private)

## **Brandon Township**

#### **Public Facilities:**

- 2 Picnic areas
- 1 Picnic shelter
- 1 Senior citizen center
- Recreation Center

#### School Facilities:

Brandon High Belle Ann Elementary

## **Commerce Township**

#### **Public Facilities:**

- 16 Ball diamonds
- 1 Basketball court
- 2 Tennis courts (no lights)
- 2 Nature trails
- 1 Picnic shelter
- 1 Cross country ski area
- 1 Outdoor recreation center
- 1 Historic facility
- 1 Recreation Center

#### School Facilities:

Commerce Elementary Smart Junior High Glengary Elementary Walled Lake Central High Oakley Park Elementary SW Oakland Voc. Ed. Ctr. Walled Lake Western High

## Groveland Township

**Public Facilities:** 

No community owned facilities

School Facilities:

None.

## Highland Township

**Public Facilities:** 

- 6 Soccer fields
- 1 Senior citizen center

School Facilities:

Spring Mills Elementary Apollo Elementary Highland Junior Milford Senior

## Holly Township

**Public Facilities:** 

- 2 Soccer fields
- 1 Beach area

School Facilities:

None.

## Independence Township

#### Public Facilities:

- 5 Ball diamonds
- 6 Soccer fields
- 6 Volleyball courts
- 6 Basketball courts
- 4 Tennis courts (no lights)
- 4 Horseshoe pits
- 2 Shuffleboard courts
- 1 Boat launch-fishing area
- 1 Beach area
- 3 Play structures
- 1 Picnic area
- 1 Picnic shelter
- 1 Exercise-fitness trail
- Senior citizen center

#### School Facilities:

Bailey Lake Elementary Clarkston Junior High Clarkston Senior High Clarkston Elementary Pine Knob Elementary Sashabaw Junior North Sashabaw Elementary

Clarkston Comm. Learning Ctr.

## Milford Township

Public Facilities:

No community owned facilities

School Facilities:

None.

## Lyon Township

## **Public Facilities:**

- 5 Ball diamonds
- 1 Soccer field
- Senior citizen center

#### School Facilities:

New Hudson Elementary Bartlett Elementary Sayre Elementary

Oakland County Parks and Recreation Master Plan

## Novi Township

**Public Facilities:** 

No community owned facilities

School Facilities:

None.

## Oakland Township

Public Facilities:

1 Exercise-fitness trail

Cross country ski area

School Facilities:

**Baldwin Elementary** 

## Orion Township

#### Public Facilities:

- 6 Ball diamonds
- 3 Soccer fields
- 1 Volleyball court
- 2 Basketball courts
- 3 Horseshoe pits
- 2 Shuffleboard courts
- 1 Beach area
- 2 Play structures
- 1 Picnic area
- 1 Picnic shelter
- 2 Exercise-fitness trails
- 2 Recreation Centers

## School Facilities:

Orion-Oxford 7th Day Advent.

(priv.)

Pine Tree Elementary

Webber Elementary

Lake Orion Junior-Senior High

Lake Orion Middle

Carpenter Elementary

St. Joseph (private)

## Oxford Township

#### **Public Facilities:**

- 8 Ball diamonds
- 4 Soccer fields
- 4 Tennis courts (lights)
- 2 Horseshoe pits

- 1 Boat launch-fishing area
- 1 Beach area
- 3 Play structures
- 3 Picnic shelters
- 1 Exercise-fitness trail
- 3 Food services

#### School Facilities:

Thomas Elementary Oxford Middle School

Clear Lake Elementary

Dominician Academy (private)

## Rose Township

**Public Facilities:** 

No facilities reported.

School Facilities:

None.

## Royal Oak Township

**Public Facilities:** 

None.

**School Facilities:** 

Grant Elementary

## Springfield Township

#### **Public Facilities:**

- 7 Ball diamonds
- 1 Soccer field
- 1 Volleyball court
- 1 Basketball court
- 2 Tennis courts (no lights)
- 4 Horseshoe pits
- 2 Shuffleboard courts
- 1 Boat launch-fishing area
- 1 Beach area
- 1 Golf course
- 2 Nature trails
- 2 Play structures
- 4 Picnic areas
- 3 Picnic shelters
- 1 Exercise-fitness trail
- Senior citizen center

## School Facilities:

**Davisburg Elementary** Andersonville Elementary Colombiere College (private)

## Waterford Township

#### **Public Facilities:**

- 10 Ball diamonds
- Soccer field
- Basketball court
- Boat launch-fishing area 1
- 3 Nature trails
- 6 Play structures
- 1 Ice skating rink
- Picnic areas
- Picnic shelters
- 2 Exercise-fitness trails
- 1 Historic facility
- Sports complex

## School Facilities:

Montgomery Develop. Center

Lotus Lake Elementary

Schoolcraft Elementary

Our Lady of the Lakes (private)

McVittie Elementary

Grayson Elementary

Jayna Adams Elementary

Pontiac Lake Elementary

Williams Lake Elementary

Waterford Kettering High

Pierce Junior High

Monteith Elementary

**Drayton Plains Elementary** 

Mason Junior High

Cooley Elementary

Beaumont Elementary

Pontiac Junior Academy (private)

Riverside Elementary

Waterford Community Center

Lutes Elementary

Sandburg Elementary

Leggett Elementary

Crary Junior High

Waterford Mott High

Crescent Lake Elementary

Waterford Pohi

Oakland C. C.-Highland Lakes

Four Towns Elementary

Haviland Elementary

**Burt Elementary** 

**Donelson Elementary** 

St. Benedict's Elementary (priv.)

Lambert Elementary

Silver Lake Elementary

Hawthorne Elementary

## West Bloomfield Township

## **Public Facilities:**

- Ball diamonds
- 1 Soccer field
- Basketball court 1
- 10 Tennis courts (no lights)
- 2 Nature trails
- Play structures
- 2 Sledding hills
- Ice skating rink 1
- 2 Picnic areas
- 1 Picnic shelter
- 1 Exercise-fitness trail
- 2 Cross country ski areas
- Outdoor education center 1
- 1 Food service

## **School Facilities:**

## Keith Elementary

Scotch Elementary

Twin Beach Elementary

Pine Lake Elementary

Lone Pine Elementary

West Hills Middle School

West Bloomfield High

Green Elementary

Orchard Lake Middle Doherty Elementary

Walnut Elementary

Maple Elementary

Ealy Elementary

## White Lake Township

#### **Public Facilities:**

- 1 Ball diamond
- Soccer field 1
- 2 **Recreation Centers**

#### School Facilities:

Lee Brooks Elementary White Lake Junior Lakeland High Oxbow Elementary

**Dublin Elementary** 

St. Patrick's Elementary (private)

D. Houghton Elementary

## Village of Beverly Hills

#### **Public Facilities:**

- 2 Ball diamonds
- 1 Tennis court (no lights)
- 1 Horseshoe pit
- 1 Boat launch-fishing area
- 1 Play structure
- 1 Sledding hill
- 2 Ice skating rinks
- 2 Picnic areas
- 1 Picnic shelter
- 1 Exercise-fitness trail

## School Facilities:

Berkshire Middle

Our Lady Q. of Martyrs (priv.) Detroit Country School (priv.)

W.E. Groves High

Beverly Elementary

Greenfield Elementary
Fred D. Leonhard Elementary

## Village of Bingham Farms

**Public Facilities:** 

No community owned facilities. School Facilities:

Bingham Farms Elementary

## Village of Clarkston

Public Facilities:

1 Picnic shelter

School Facilities:

None.

## Village of Franklin

**Public Facilities:** 

No community owned facilities

School Facilities:

None.

## Village of Holly

#### **Public Facilities:**

- 1 Ball diamond
- 1 Picnic area
- 1 Senior citizens center
- 1 Recreation Center

#### School Facilities:

Benjamin H. Sherman Middle

Patterson Elementary

Holly Elementary

M.D. Bennett Junior High

Holly Senior High

## Village of Lake Orion

#### Public Facilities:

- 3 Ball diamonds
- 1 Boat launch-fishing area
- 1 Beach area
- 2 Play structures
- 1 Picnic area
- Senior citizen center
- 1 Art center

## **School Facilities:**

Community Education Center Blanche Sims Elementary

## Village of Leonard

**Public Facilities:** 

No facilities reported.

School Facilities:

None.

## Village of Milford

#### **Public Facilities:**

- 2 Ball diamonds
- 1 Play structures
- 3 Picnic areas
- 1 Picnic shelter

## School Facilities:

Muir Junior Kurtz Elementary Johnson Elementary

## Village of Ortonville

#### **Public Facilities:**

- 4 Ball diamonds
- 1 Picnic area
- 1 Picnic shelter
- 1 Senior citizen center
- 1 Recreation Center

## School Facilities:

**Burt Elementary** 

Community Services School

## Village of Oxford

## Public Facilities:

- 1 Beach area
- 1 Picnic shelter
- 1 Senior citizen center

## School Facilities:

Oxford Junior High Oxford High Daniel Axford Elementary

## Village of Wolverine Lake

## **Public Facilities:**

- 3 Ball diamonds
- 4 Tennis courts (no lights)
- 1 Exercise-fitness trail

School Facilities:

None.

Chart 6, which summarizes the community facilities inventory is found on the following page. Map 5, which follows the chart, depicts school district boundaries and facility locations.

Chart 6
INVENTORY OF RECREATIONAL FACILITIES IN OAKLAND COUNTY COMMUNITIES

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<sup>\*</sup> All facilities owned by school district.

No Response: Rose Township and Leonard

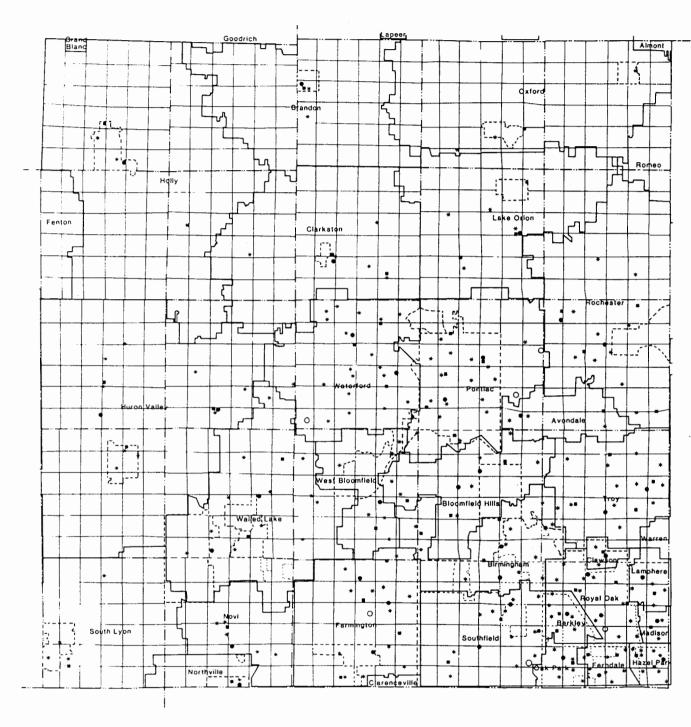
NO COMMUNITY OWNED FACILITIES

CITIES OF: Bloomfield Hills, Northville, Orchard Lake Village.

TOWNSHIPS OF: Addison, Bloomfield,

Groveland, Novi

VILLAGES OF: Bingham Farms, Franklin





## Legend

- \* Elementary
- Middle
- High School
- College

# Map 6

## **School Districts & Facilities**

Oakland County Parks & Recreation Carlisle Associates, Inc.

Community Planners & Landscape Architects



## Private Recreation Facilities

Privately owned facilities which offer recreational opportunities similar in scale to county park facilities were inventoried by Oakland County Planning Division in 1987, and have been updated for this Plan.

#### Ski Areas

Mount Holly Ski Club

Pine Knob

Alpine Valley Ski Resort

Teeple Hill

Groveland Township

Independence Township

White Lake Township

White Lake Township

#### Golf Courses

Indianwood Golf & Country Club Orion Township **Brookwood Golf Club** Rochester Hills Great Oaks Country Club Rochester Hills Oakland Univ. Katke-Cousins Golf Course Rochester Hills Pine Trace Golf Course Rochester Hills Edgewood Country Club Commerce Twp. Bay Pointe Golf Club Commerce Twp. Twin Beach Country Club W. Bloomfield Twp. Orchard Lake Country Club Orchard Lake Village Shenandoah Golf and Country Club W. Bloomfield Twp. Tam O'Shanter Country Club W. Bloomfield Twp. Knollwood Country Club W. Bloomfield Twp. Pine Lake Country Club W. Bloomfield Twp. Wabeek Country Club Bloomfield Township Forest Lake Country Club **Bloomfield Township** Bloomfield Hills Country Club **Bloomfield Hills** Stonycroft Hills Country Club **Bloomfield Hills** Oakland Hills Country Club **Bloomfield Township** Birmingham Country Club Birmingham Somerset Golf Course Trov Farmington Hills Franklin Hills Country Club Plum Hollow Golf Club Southfield Red Run Golf Course Royal Oak

#### Private General Recreation Areas

Camp Tamarack **Groveland Township** Girls Friendly Society Groveland Township Holly Hills Camp Site Groveland Township Camp Narrin Groveland Township Clear Water Campgrounds **Brandon Township** Camp Nahelu **Brandon Township** Metamora Club Oxford Township **Detroit Sportsman's Congress** Oxford Township Clear Lake Camp Oxford Township Lake Orion Gun Club Oxford Township Camp Oakland Oxford Township Echo Grove Camp Oxford Township Family Camp Addison Township

Michigan Nature Association Rochester Hills Riding Stables

Upland Hills Farm

Fenton Ikes

Guardian Angel Home

Gaelic League/Protestant Youth Camp

Camp Fire Girls Brown's Landing Camp Ohiyesa

Russian Association of Detroit

Camp Oweki

Oakland County Sportsman's Club

Chief Pontiac Post Camp Agawan

**Bald Mountain Riding Stables** 

South Island Camp St. Pawlak Recreation J. Ivory Storage Co., Inc. Suburban Softball Inc.

Camp Dearborn

Multi-Lakes Conservation Assn.

Birmingham Gun Club
Detroit Gun Club
German Camp
Kelva Park
Detroit Archers

Bloomfield Open Hunt Club

Northfield Hills Layman Fields

Haas Lake Campground Finnish Assn. Recreation Area

Thunderbird Day Camp Totem Pole Camp Bosco Fields Lutheran Field Club

**Drayton Plains Nature Center** 

Addison Township Addison Township Addison Township Rose Township Independence Twp. Independence Twp. Independence Twp. Orion Township Orion Township Highland Township White Lake Township White Lake Township

Rochester Hills
Milford Township
Commerce Twp.
Commerce Twp.
Commerce Twp.
W. Bloomfield Twp.
W. Bloomfield Twp.
W. Bloomfield Twp.
Bloomfield Hills

Troy

Lyon Township Lyon Township

Wixom Wixom Wixom Novi

Huntington Woods Waterford Township

# OMMUNITY DESCRIPTION

Oakland County is a part of the Metropolitan Detroit Area, which dominates southeastern Michigan. Oakland County lies to the northwest of Wayne County and the city of Detroit, and is bordered by Genessee and Lapeer Counties to the north, Macomb County to the east, Wayne and Washtenaw Counties to the south, and Genessee and Livingston Counties to the west. In 1990, there are 4,816,488 million people residing in the seven county area. The 1990 population of Oakland County was 1,083,892.

Within Oakland County there are: twenty-nine cities, twenty-one townships and eleven villages. The community names are as follows.

Cities: Auburn Hills, Berkley, Birmingham, Bloomfield Hills, Clawson, Farmington, Farmington Hills, Ferndale, Hazel Park, Huntington Woods, Keego Harbor, Lake Angelus, Lathrup Village, Madison Heights, Northville, Novi, Oak Park, Orchard Lake Village, Pleasant Ridge, Pontiac, Rochester, Rochester Hills, Royal Oak, Southfield, South Lyon, Sylvan Lake, Troy, Walled Lake and Wixom.

**Townships:** Addison, Bloomfield, Brandon, Commerce, Groveland, Highland, Holly, Independence, Lyon, Milford, Novi, Oakland, Orion, Oxford, Rose, Royal Oak, Southfield, Springfield, Waterford, West Bloomfield and White Lake.

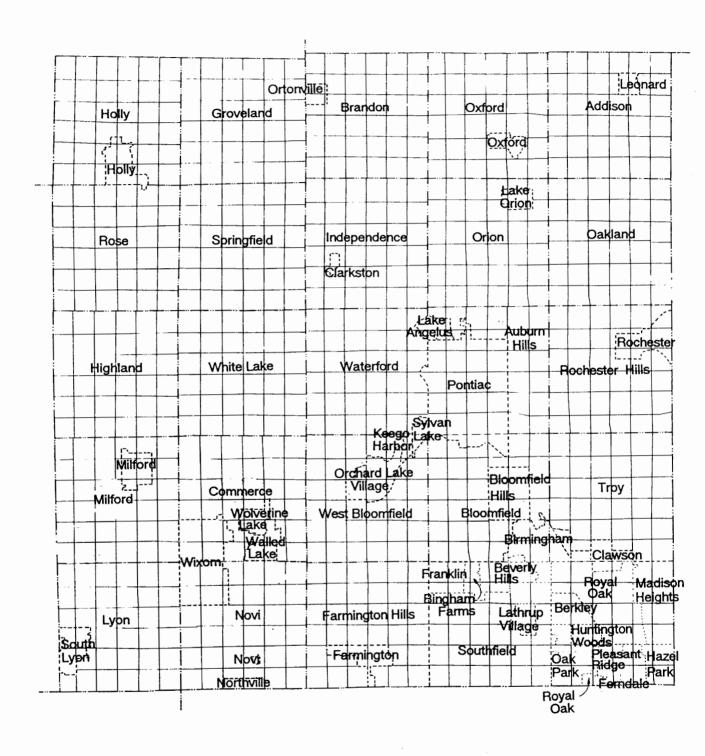
Villages: Beverly Hills, Bingham Farms, Clarkston, Franklin, Holly, Lake Orion, Leonard, Milford, Ortonville, Oxford and Wolverine Lake.

Map 7 depicts the location of each city, township and village in the county.

Oakland County lies within a growth corridor which centers in the city of Detroit and follows a northwest path extending into Livingston County. Within this high growth environment Oakland County has rapidly transformed itself from a primarily rural county to a densely populated, suburban county. In 1990, the population of Oakland County exceeded the population of the city of Detroit by 5.4%.

## Regional Geographic Profile

The distribution of the region's natural features corresponds to distinct geological zones. The southeastern Michigan region is generally characterized as gently rolling plain bounded on the east by a system of water bodies which connect Lake Erie and Lake Huron. The western boundary is composed of a chain of morainic hills which divide the flow of rivers between Lake Michigan and Lake Erie. In between these two natural boundaries are three major river systems, the Huron, the



Map 7

## **Oakland County**

Oakland County Parks & Recreation Carlisle Associates, Inc.





Clinton, and the Rouge, which rise from a gravel plain. The Flint and Shiawassee, which are located in the northern fringe of the region, drain to the north and west.

The above mentioned features suggest four zones: morainic hills, upland lakes, lake plain and waterfront. (See Map 8.)

The Lake Plain Zone is located between the upland lake zone and the Great Lakes waterfront. The only relief is provided by the shallow river valleys. Most development has occurred in this zone.

The Waterfront Zone follows the shoreline of Lake St. Clair, the Detroit River and western Lake Erie shoreline. This zone is one of the major recreational resources in the region, and is almost totally developed at the present time.

The Morainic Hills Zone lies in a belt stretching from the northeast corner of Oakland County to the southwest corner of Washtenaw County.

The Upland Lake Zone is located to the west of a line extending from the Village of Romeo, Macomb County through the City of Ypsilanti, Washtenaw County. The Upland Lake Zone is characterized as a depression in the surface of the outwash plains which surround the morainic hills zone.

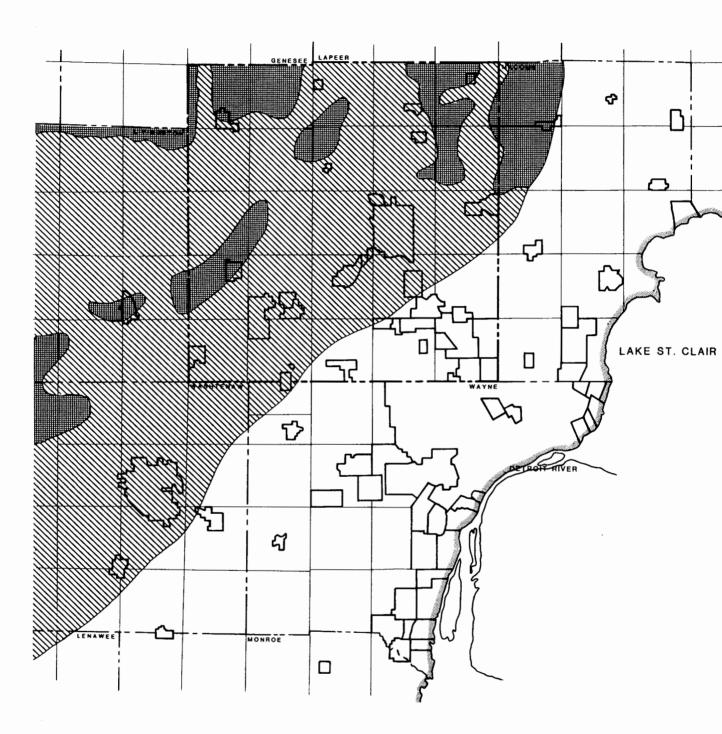
## County Physiography

Oakland County covers an area of over nine hundred square miles encompasses over four hundred lakes, fifty thousand acres of recreational land and approximately eight hundred miles of inland lake shoreline.

As the result of glaciation, the primary features which characterize the Oakland County landscape are two morainic hill belts (the Saginaw and Huron-Erie systems) which cross the county in a northeast-southwest direction, and three outwash plains (Commerce, Drayton and Oxford Plains). (See Map 9). The northern portions of the two hill chains are the location of some of the highest points of elevation in the county; elevations between 1,000 and 1,200 feet above sea level. The southern belt of hills have typical elevations between 800 and 1,000 feet above sea level. The southern belt cuts diagonally across the county and merges with the northern belt just north of the city of Rochester.

Lying between the two belts is a broad, pitted, flat plain composed of outwash sands and gravels. The gravel plain is ten miles wide in some locations; its flatness interrupted by a broken group of hills which generally parallel the two belts of morainic hills.

Scattered throughout the hilly belts and outwash plains are hundreds of depressions, many occupied by inland lakes which range in size from small ponds less than one acre in area to lakes covering one and one-half square miles. The approximately four hundred lakes are an outstanding feature of the county. However, the distribution of the lakes is not equal across the landscape; the southern portion is not as well endowed as other portions. The largest lakes, which occupy 20,000 acres, are Cass and Orchard Lakes.





## Legend

Waterfront

Lake Plain

Upland Hills

Morainic Hills

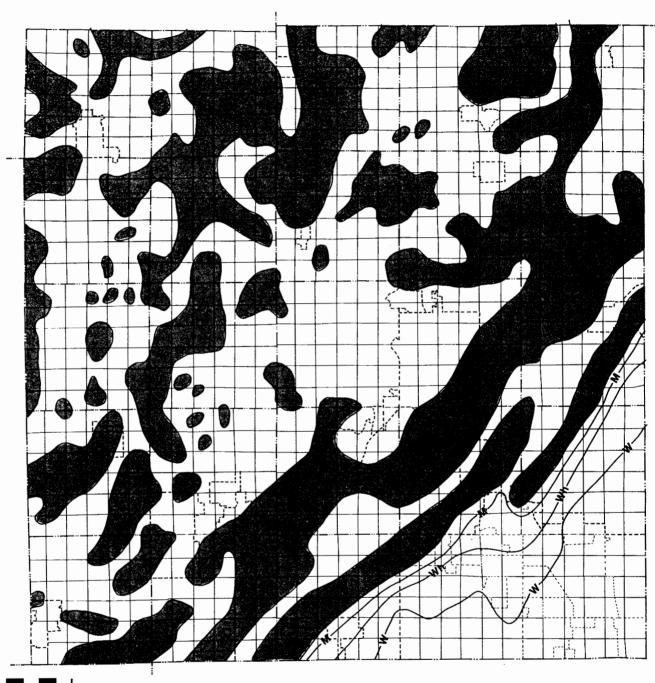
# Map 8

## Regional Physiography

Oakland County Parks & Recreation

Carlisle Associates, Inc.
Community Planners & Landscape Architects







## Legend

Proglocial Lake Shoreline

~w~ Lake Warren

-wh- Lake Whittlesey

-**M**- Lake Maumee □ Outwash Plain

Moraine

Map 9

## **Physiography**

Oakland County Parks & Recreation

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In the extreme southeast of the county is a glacial lake plain which slopes gently in a southeast direction. The flat character of the lake plain is interrupted by stream courses and a series of former glacial lake beaches. The elevation of this plain decreases from 800 feet to 633 feet near the southeast corner of the county.

The county's topographic elevation varies from 630 feet to 1,221 feet. The total variation in relief is 591 feet. Except for a small area to the northwest of the county which slopes to the north and northwest, the county slopes to the southeast. There are several areas of steep slopes but generally slopes are in the nine to twelve percent range.

Several slopes provide scenic views to the southeast. Particularly notable is the high area running east-west along the border of the City of Pontiac and Orion Township. Other scenic views are found at the Kensington Metropark (Milford Township) and along Granger Road in Brandon and Oxford Townships.

## County Soils

About thirty-nine different kinds of soil are found in Oakland County. In the southeastern corner of the county, the undisturbed soils are mostly nearly level to gently sloping; poorly drained to moderately well drained; and sandy, loamy or have clay throughout. Wetness is the major limitation to the use of soils in this area. In the northern two-thirds of the county, the soils are mostly undulating to very hilly. They are dominantly moderately well drained to well drained and are loamy or loamy and sandy throughout. Some are underlain by gravelly sand. The hazard of erosion is generally moderate to severe in this area. Measures are needed to control erosion and thereby reduce sedimentation in streams.

County soils were deposited by receding glaciers. Soil types range from sand and gravel to clay and peat. Perk tests for septic tanks have indicated problems with percolation of scattered locations throughout the county.

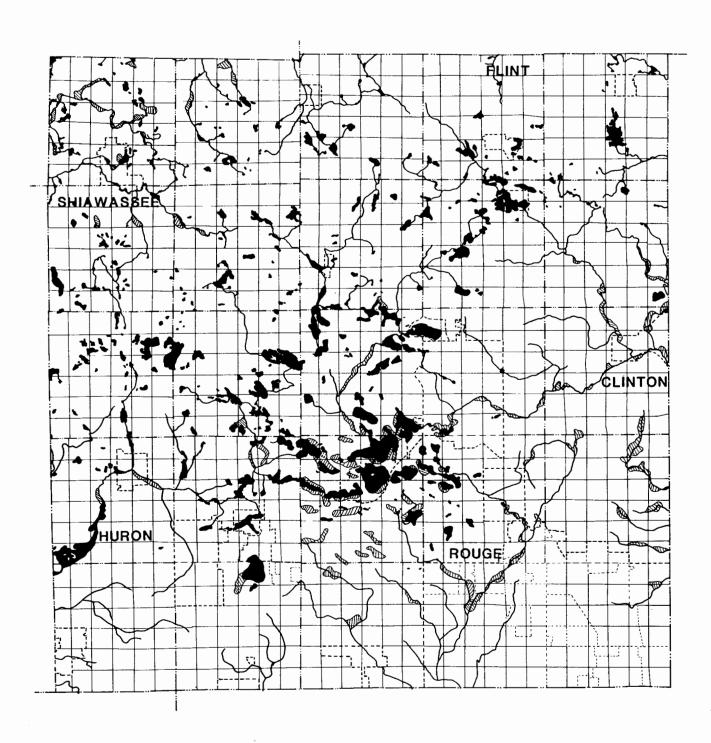
## County Hydrology

The drainage in Oakland County is poor; a usual condition for an area covered by glacial deposits. Five river systems have their origin in the morainic belts and outwash plains. The land area that lies northwest of the upland hills is drained by the Flint and Shiawassee River systems. The area to the southeast of the upland hills is drained by the Clinton, Huron and Rouge Rivers. (See Map 10.)

The headwaters of both the Huron and Clinton River are located in Oakland County and formed in gravel plains that drain the overflow from many of the lakes within the watershed. The Huron River flows southwest out of the county and the Clinton drains to the east. The River Rouge and its upper and middle branches flow to the south. (See Map 11.)

Oakland County has more natural lakes than any other county in the state. County lakes, public or privately owned, typically are surrounded by residences. The lakes surrounded by residences have experienced pollution from septic fields and fertilizers which has resulted in excessive weed growth.

All lakes are used for a variety of water activities. Those lakes governed by a lake association have regulations pertaining to water levels for recreational purposes, and watercraft and motor size limits.





Map 10

**Lakes and Rivers** 

## Legend

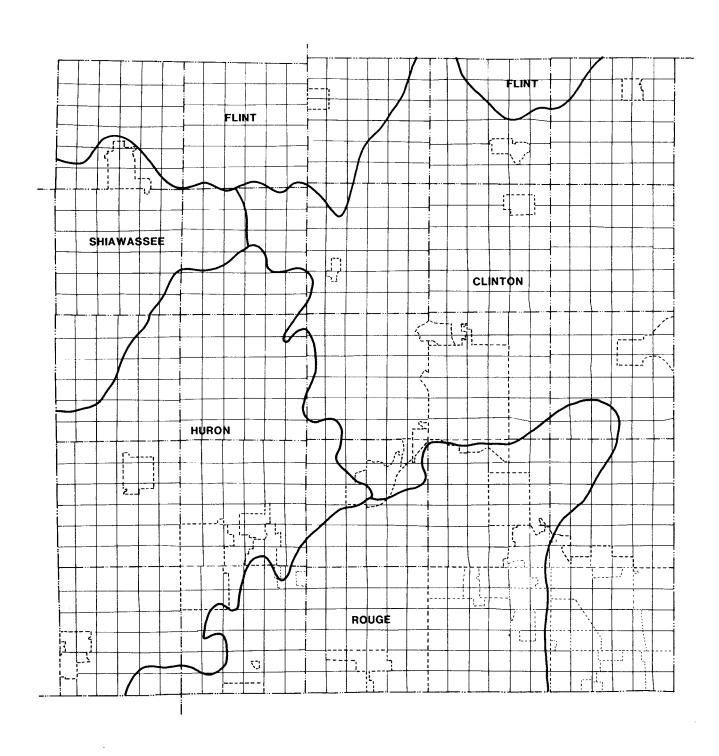
Lake

Floodplain Areas OLD)

River

**Oakland County** Parks & Recreation

Carlisle Associates, Inc. Community Planners & Landscape Architects





Map 11

## **River Basins**

Legend

River Basin Dividing Line

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Parks & Recreation
Carlisle Associates, Inc.
Community Planners & Landscape Architects



The artificial drainage of lakes and marshes has been attempted in order to accommodate development in the hilly ranges and outwash plains. Artificial drainage projects have been most beneficial in the glacial lake plain where rapidly growing communities have required artificial drainage to protect the public health, safety and welfare.

## County Vegetation

Oakland County lies in a deciduous forest zone in which the climax forest is beech and maple. The following vegetation groups are typical and representative of the area: swamps and marshes, bogs, lake shores, streamsides, meadows abandoned fields and roadsides.

Five major forests are found in the county: floodplain forests, mixed hardwoods, oak-hickory, beech-maple and pine-hardwoods. Early records indicate that conifers constituted an important element in Michigan's original forests, however, pure evergreen forest is characteristic only of the northern and western part of the upper peninsula.

Birch and tamarack swamps, the latter being rare in the county, and several kinds of marshes are found in the area. Cattail marshes are most easily identified. In addition, there are dogwood-holly marshes and a few dogwood-willow marshes as well as sedge-rush marshes.

A fairly unique environment in Oakland County is the bog. These are generally dominated by a single species, either tamarack, cedar, or spruce, with a supporting shrub layer of poison sumac, rosemary or leatherleaf.

The county's numerous lakes are not identical in soil quality and water clarity and, therefore, the vegetation supported on the shores is varied. Some lakes are completely enclosed by swamps, others have swamp, marsh and sandy shores. The land is low and level along most water courses. The streams flow sluggishly (except for seasonal variations) in and out of lakes and marshes. Plants typical of this environment are similar to those in the floodplain forests and in wet meadows.

#### Wildlife

The larger species have moved north as urbanization has occurred. Many Townships are open for deer, pheasant and duck seasons. In addition to deer, typical types of wildlife are raccoons, muskrats, opossum, rabbits, mice, rats, snakes, birds, ducks and fish.

Fishing is the major wildlife recreation past time in the county. The Department of Natural Resources Fisheries and Wildlife Division stocks some of the lakes and streams. Groveland Oaks was stocked with large and small mouth bass in 1954. The DNR reports this as an excellent pan fishing lake. Independence Oaks was stocked in 1977 with Pike, and in 1980 and 1981 with rainbow trout. The fishing is reported to be fair by staff. Addison Oaks has never been stocked but is reported to have excellent pike, bass and crappie. Crooked Lake was stocked by Oakland County with limited success.

#### Climate

The consequences of climate and climatic fluctuations are seen most critically in the county flooding potential. Average annual precipitation ranges between twenty-seven inches in the north and central part of the county and thirty-two inches in the Royal Oak and Northville area. Communities along the Woodward corridor receive two to four inches more rain per year than the rest of the county.

There is a minor snow belt in the county which generally parallels the morainic hills. The average snowfall is thirty-nine inches; the snowfall is heavier to the north and west with as much as a two inch variation across the county. Temperatures vary across the county in a similar pattern. Oakland county is a part of Zone 4 which limits vegetative growth to those species which can survive low temperatures between -10°F and -20°F.

## Historical Areas

Many individual homes and buildings within the county have been appointed to the State Register of Historic Sites as well as to the National Register of Historic Places. A list of historic districts and sites in Oakland County has been included as Appendix D.

Prominent in Oakland County are unique environments such as cider mills, reconstructed commercial districts, model farms and antique villages. These environments are widely known throughout the county and region. Examples are the Paint Creek Cider Mill, Kensington Antique Village, downtown Birmingham and Rochester, Commerce Mills, Botsford Inn, Cranbrook, Stoney Creek Historical District and Meadowbrook Farms.

There are also archaeologic sites and historic Indian settlements in the County.

#### Land Use

Land development within the county has gradually pushed outward from the Detroit Metropolitan area and the City of Pontiac in a concentric pattern. Map 12 and Table 1 describes the land use patterns of single family and multiple family residential, institutional, commercial and office, industrial, outdoor recreation and conservation, agricultural, transportation, utility and communication, rigths-of-way, and water. The most intense land uses are located in areas which are serviced with sewer and water and have access to major transportation routes. Farmland or agricultural lands are being gradually replaced by residential development.

Table 1 Land Use Inventory

Land Use Category	1986 Acreages	1986-1988 Acreage Changes	1988 Acreages	1988 Percent of Total
Single Family	144,951	+5,818	150,769	26
Multiple Family	11,705	+1,281	12,986	2
Institutional	19,853	+160	20,013	3
Commercial & Office	13,381	+1,266	14,647	3
Industrial	16,998	+1,511	18,509	3
Outdoor Rec. & Conservation	55,630	+1,673	57,303	10
Agricultural	68,753	-5,984	62,769	11
Trans., Utility, & Comm.	5,406	+31	5,437	1
Rights-of-Way	29,874	+2	29,876	5
Vacant	185,827	-5,758	180,069	31
Water	27,296	0	27,296	5
County Totals	579,674	0	579,674	100%

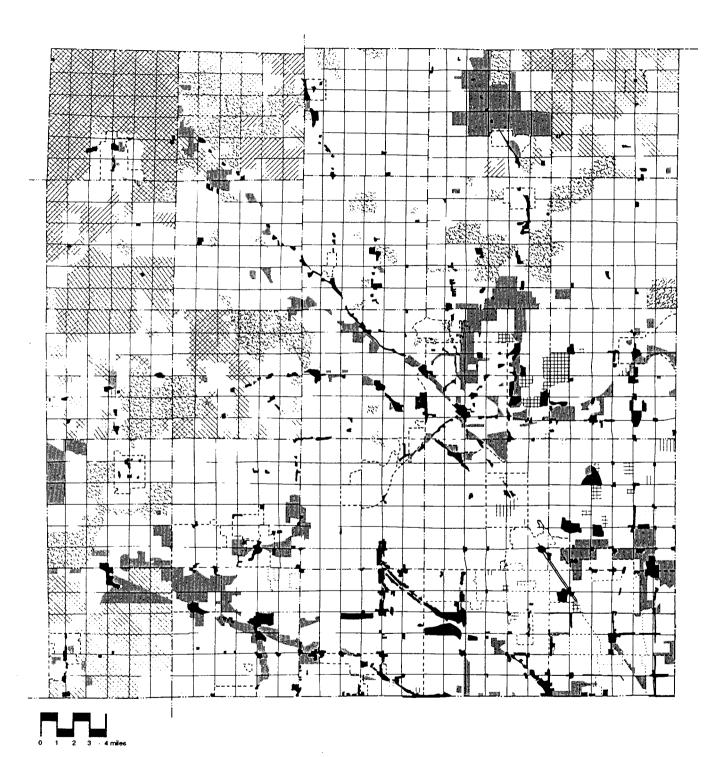
Between the 1986 and 1988 Land Use Inventories, (completed by the Oakland County Planning Division) 6,000 acres of agriculture land and 6,000 acres of vacant land were removed from these categories. About half of this land was converted into single family home sites (5,800 into single family development and 1,200 acres into additional multiple family development.) Of the other half, commercial and office land uses increased by 1,200 acres and industrial land use increased by 1,500 acres.

Another land use category to gain heavily during this time was outdoor recreation and conservation. This category includes recreation land in both public and private ownership. Over 1,600 acres were added into this category; the second largest acreage gain during this period.

In relation to recreational planning the three categories to look most closely at are gains in single and multiple family residential land use and outdoor recreation consrvation uses. Growth in these categories locates new or shifting residential concentrations as well as recreational facility concentrations.

Rochester Hills gained the most single family acres, adding an additional 700 acres. Independence Township converted the second greatest number of single family residential acres. The following communities have added more than two hundred acres of single family residential land use between 1986 and 1988.

1.	Rochester Hill	710 acres
2.	Independence Township	550 acres
3.	Milford Township	455 acres
4.	Lyon township	377 acres
5.	West Bloomfield Township	350 acres
6.	White Lake Township	330 acres
7.	Troy	320 acres
8.	Springfield Township	295 acres
9.	Addison Township	245 acres
10.	Novi City and Township	240 acres



Legend

Industrial

Residential

Rural Agricultural

Commercial, Office, Parking, Transititional

22.5 Recreation - Natural Resources

Public / Quasi- Public

Transportation, Communications

Map 12

Land Use Map, 1988

**Oakland County** Parks & Recreation

Carlisle Associates, Inc. Community Planners & Landscape Architects



11.	Groveland Township	220 acres
12.	Bloomfield Township	215 acres
13.	Highland Township	200 acres

These thirteen communities accounted for seventy-eight percent of the County's total new acreage in single family use between 1986 and 1988.

West Bloomfield Township led in the number of multiple family acres gained by adding 335 acres. Farmington Hills and Rochester Hills followed with gains of 186 acres and 160 acres respectively.

The following communities have added more than forty-five acres of multiple family residential land use between 1986 and 1988.

1.	West Bloomfield Township	335 acres
2.	Farmington Hills	186 acres
3.	Rochester Hills	160 acres
4.	Commerce Township	120 acres
5.	Auburn Hills	80 acres
6.	Waterford Township	72 acres
7.	Novi City and Township	70 acres
8.	Independence Township	45 acres

These eight communities accounted for eighty-three percent of the County's total multiple family residential acreage.

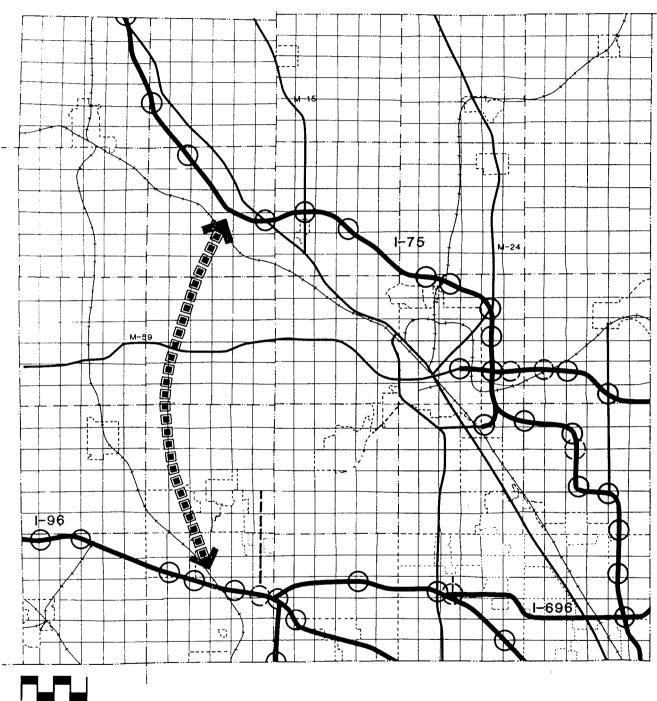
The largest gain in the outdoor recreation-conservation category was recorded by Springfield Township which converted 405 acres to to that category. The top nine communities which have experienced gains in this category were:

1.	Springfield Township	405 acres
2.	Orion Township	267 acres
3.	Groveland Township	185 acres
4.	Farmington Hills	142 acres
5.	Independence Township	136 acres
6.	West Bloomfield Township	130 acres
7.	Rochester Hills	125 acres
8.	White Lake Township	110 acres
9.	Bloomfield Township	70 acres

The above listed communities contain ninety-four percent of the County's total acreage gains in this category.

#### Circulation

Automobile - The people of Oakland County are dependent on the automobile for transportation. Other modes, such as bus, are available, but play a minor role in moving people. Roads and highways in the county are well integrated into the regional and state network. Interstates 96,75, 275, and 696 provide routes to destinations inside and outside of Oakland County. Map 13 depicts the road transportation network and proposed improvements reported by the Michigan Department of Transportation and mapped by the Oakland County Planning Division.



## Legend

**Existing Interchange** 

Expressway Highway

Railroad Proposed I-75 to I-96 Connector

Proposed Interchange Proposed New Road

# Transportation Network & Proposed Improvements, 1991

**Oakland County** Parks & Recreation Carlisle Associates, Inc.



Map 13

Airports - The Oakland-Pontiac Airport in Waterford Township is the largest airport in the county. It serves as a base for a small fleet of business jets, some cargo operations and many light planes. The Troy Airport is a smaller airport located in the county. In addition, there are several grass landing fields throughout the county which are used by small aeronautic clubs, crop duster and recreational planes.

Railroads - The Grand Trunk Western (Detroit, Grand Haven and Milwaukee), New York Central, and Chesapeake and Ohio each operate railroads in the county. A number rail right-of-ways have been vacated.

Bicycle and Pedestrian - Bicycle circulation occurs along roadways and in some cases on separate bike paths. There are several Class III bike paths located in Rochester Hills, West Bloomfield, and Bloomfield Township and in Farmington Hills.

The Paint Creek Trail, which passes through Rochester Hills, Rochester, Oakland Township, Orion Township, provides bicyclists, equestrians, hikers, joggers and cross country skiers a safe and scenic recreational trail within the highly populated and urbanized metropolitan area.

The Oakland County Planning Division has prepared a linked Recreation Trail System Concept. The linked recreation trail system concept suggests potential opportunities for providing Oakland County residents with recreation and access to parklands. This concept is based on the utilization of abandoned rights-of-way, utility easements and waterways as potential corridors for recreational hiking, biking, cross country skiing and equestrian travel. These systems would form a network linking residential areas and towns centers with outlying recreational lands. The Oakland County system would become a part of the Discover Michigan Trail. (See Map 14.)

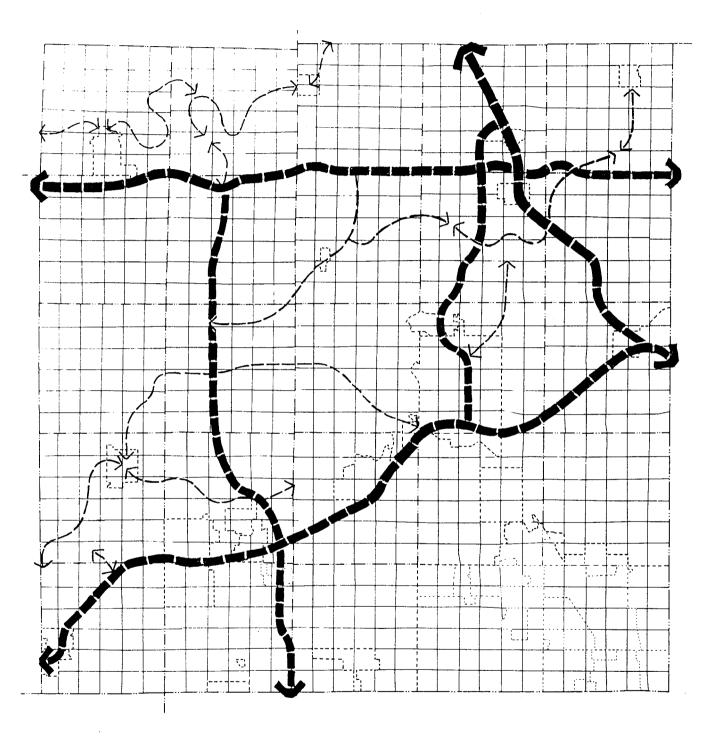
#### **Utilities**

Sewers - Areas which were to be served with sanitary sewer by 1990 are shown on Map 15. There were approximately 211,000 acres proposed for service at that time. The availibility of sewer service will have much influence on where and when development takes place, and should correlate closely with population projections and densities for these areas.

Water - Most communities in southeast Oakland County have municipal water service either from the Detroit Water Service, community well systems, or Oakland County Sewer, Water & Solid Waste Division. Many of the more rural townships rely on individual wells.

Gas and Electricity - Consumers Power provides gas services to most of Oakland County. Michigan Consolidated Gas Company services all of Milford Township and village, and the southern half of Highland Township. Detroit Edison provides electricity to all Oakland County communities except the Township and Village of Holly which are served by Consumers Power.

Gas is available for residential hook-up at this time, but the gas companies are reluctant to service new industries and commercial centers, although gas is still available for the latter.





Map 14

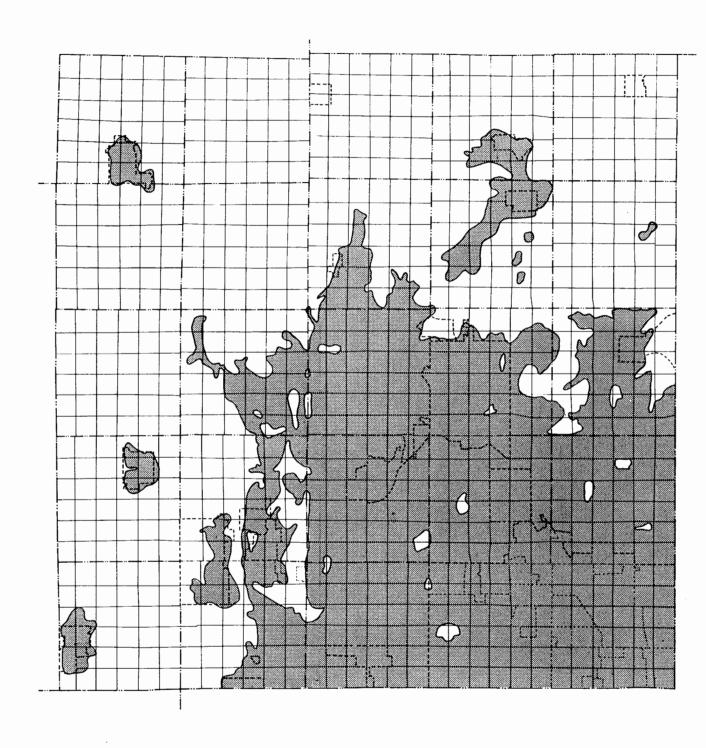
## **Proposed Trailway Plan**

Oakland County Parks & Recreation



Legend







Map 15

## 1990 Sewer Areas

Legend



Area Serviced by Sewers

Oakland County
Parks & Recreation
Carlisle Associates, Inc.
Community Planners & Landscape Architects



## **Population**

The 1990 United States Census determined the population of Oakland County to be 1,083,592. The 1990 Census population count indicates that the County's population has increased 7.1% during the last decade. The following table depicts population growth by decade since 1900.

Table 2
Numerical and Percentage Population Increases, 1990-1990

Year	Population	Percentage Increase	Numerical Increase
1900	44,792	na	na
1910	49,576	10.68	4,784
1920	90,050	81.64	40,474
1930	211,251	134.59	121,201
1940	254,068	20.27	42,817
1950	396,001	55.86	141,933
1960	690,603	74.39	294,602
1970	907,871	31.46	217,268
1980	1,011,793	11.45	103,922
1990	1,083,592	7.10	71,799

Source: U.S. Census, and Oakland County Planning Division

The village of Bingham Farms grew 89.2%, the largest percentage gain of the county's fifty-nine communities. While thirty-five communities gained population, twenty-four communities lost population. Lake Angelus decreased 17.4 %, the largest lost of the past decade. Overall, Oakland County communities did not gain population as rapidly during the 1980s as during the 1970s. Oakland County population growth trends between 1970 and 1990 are illustrated by community in Table 3.

Table 3
Population and Percentage Increases 1970-1990

Community	1970	Percent Change 1970-1980	1980	Percent Change 1980-1990	1990
Addison Township	2,431	72.1	4,184	14.4	4,785
Auburn Hills	12,648	21.7	15,388	11.0	17,076
Berkley	21,879	-14.8	18,637	-9.0	16,960
Beverly Hills	13,598	-14.7	11,598	-8.4	10,628
Bingham Farms	566	-6.5	529	89.2	1,001
Birmingham	26,170	-17.1	21,689	-7.8	19,997
Bloomfield Hills	3,672	8.5	3,985	7.6	4,288
Bloomfield Twp.	42,788	0.2	42,876	-0.9	42,473
Brandon Township	3,830	117.7	8,336	29.5	10,799
Clarkston	1,034	-6.4	968	3.8	1,005
Clawson	17,617	-14.3	15,103	-8.1	13,874
Commerce Twp.	14,556	29.1	18,789	18.3	22,228
Farmington	17,617	6.7	11,022	-8.1	10,132
Farmington Hills	10,329	19.2	58,056	28.6	74,652
Ferndale	30,850	-15.0	26,227	-4.4	25,084
Franklin	3,311	-13.5	2,864	-8.3	2,626
Groveland Twp.	2,570	60.1	4,114	14.4	4,705

Hazel Park	23,784	-12.1	20,914	-4.1	20,251
Highland Park	8,372	102.6	16,958	5.8	17,941
Holly	4,355	11.9	4,874	14.8	5,595
Holly Township	3,041	18.8	3,612	-9.8	3,257
Huntington Woods	8,536	-18.7	6,937	-7.5	6,419
Independence Twp.	16,327	26.0	20,569	15.3	23,717
Keego Harbor	3,092	-0.3	3,083	-4.9	2,932
Lake Angelus	573	-30.7	397	-17.4	328
Lake Orion	2,921	-0.5	2,907	5.2	3,057
Lathrup Village	4,676	-0.8	4639	-6.7	4,329
Leonard	378	11.9	423	-15.6	357
Lyon Township	4,500	57.3	7,078	33.5	9,450
Madison Heights	38,599	-8.4	35,375	-9.0	32,196
Milford	4,699	7.3	5,041	9.3	5,511
Milford Township	2,557	101.3	5,146	28.4	6,610
Northville	2,367	17.7	2,785	20.9	3,367
Novi	9,668	132.9	22,675	46.2	33,148
Oakland Township	4,793	59.1	7,628	7.9	8,227
Oak Park	36,762	-14.2	31,537	-3.4	30,462
Orchard Lake	1,487	20.9	1,798	27.1	2,286
Orion Township	14,189	37.9	19,566	7.4	21,019
Ortonville	983	21.1	1,190	5.2	1,252
Oxford	2,536	8.3	2,746	6.7	2,929
Oxford Township	5,953	31.4	7,823	15.1	9,004
Pleasant Ridge	3,989	-19.4	3,217	-13.7	2,775
Pontiac	85,279	-10.0	76,715	-7.2	71,166
Rochester	7,054	2.1	7,203	-1.0	7,130
Rochester Hills	24,513	66.4	40,779	51.5	61,766
Rose Township	2,502	78.5	4,465	10.3	4,926
Royal Oak	86,238	17.8	70,893	-7.7	65,410
Royal Oak Township	6,362	-8.6	5,784	-13.4	5,011
Southfield	69,285	9.1	75,604	0.2	75,728
South Lyon	2,675	94.9	5,214	12.3	5,857
Springfield Twp.	4,388	89.0	8,295	19.7	9,927
Sylvan Lake	2,219	-12.2	1,949	-3.3	1,884
Troy	39,419	70.2	67,102	8.6	72,884
Walled Lake	3,759	26.3	4,748	32.2	6,278
Waterford Township	59,123	9.0	64,250	3.8	66,692
W. Bloomfield Twp.	28,563	46.9	41,962	29.9	54,516
White Lake Twp.	14,311	52.8	21,870	3.4	22,608
Wixom	2,010	233.6	6,705	27.5	8,550
Wolverine Lake	4,381	15.5	4,968	-4.9	4,727
Oakland County	907,871	11.4	1,011,793	7.1	1,083,592

Source: U.S. Census Bureau

In absolute numerical gains, the following five communities had the greatest population increases between 1980 and 1990: 1. Rochester Hills, 20,9872; 2. Farmington Hills, 16,5963.; 3. West Bloomfield Township, 12,5544.; 4. Novi, 10,473; 5. Troy, 5,782

The following five communities experienced the greatest population losses between 1980 and 1990: 1. Pontiac, -5,549; 2. Royal Oak, -5,483; 3. Madison Heights, -3,179; 4. Birmingham, -1,692; 5. Berkley, -1,677

The Southeastern Council of Governments (SEMCOG) prepared population forecasts at five year intervals for the period from 1980 to 2010. Population

projections were derived using 1980 Census population figures and from household size characteristics applied to each communities mix of housing types. Tables 4 and 5 present population projections for 1990-2010 for Oakland County communities. Table 4 indicates population projections by absolute and percentage figures and Table 5 illustrates the projected percentage of county population which is expected to reside in each governmental unit.

The following five communities are expected to have the largest percentage population gains between 1990 and 2010: 1. City of Novi (88%), 2. Brandon Township (75.7%), 3. Addison Township (68.5%), 4. Oakland Township (66.3%), and 5. Milford Township (65.9%). In terms of absolute population growth, the following five communities will experience the largest increases: 1. City of Novi (28,799), 2. Rochester Hills (21,632), 3. Farmington Hills (19,748), 4. City of Troy (16,996) and 5. West Bloomfield Township (13,086).

Table 4
Population Projections, 1990-2010

Community	1990	1995	2000	2005	2010	Absolute Increase 1990- 2010	Percent Increase 1990- 2010
Addison Twp.	4,847	5,475	6,369	7,182	8,166	3,319	68.5
Auburn Hills	15,877	19,713	20,995	22,360	23,354	7,477	47.1
Berkley	17,804	17,388	16,847	16,521	16,198	-1,606	-9.0
Beverly Hills	11,100	10,875	10,531	10,278	10,040	1,060	-9.5
Bingham Farms	1,210	1,294	1,407	1,492	1,745	535	44.5
Birmingham	20,262	19,956	19,388	19,064	18,860	-1,402	-6.9
Bloomfield Hills	4,730	4,883	5,030	5,166	5,299	569	12.0
Bloomfield Twp.	45,929	46,794	47,699	47,989	48,238	2,309	5.0
Brandon Twp.	9,260	10,527	12,471	14,239	16,272	7,012	75.7
Clarkston	964	938	914	907	896	-68	-7.1
Clawson	14,764	14,537	14,166	13,970	13,731	-1.033	-7.0
Commerce Twp.	21,986	23,064	24,531	25,469	26,680	4,694	21.3
Farmington	10,810	10,984	11,051	11,088	11,027	217	2.0
Farmington Hills	73,817	79,339	85,282	89,936	93,565	19,748	26.8
Ferndale	24,718	23,946	22,997	22,339	21,718	-3,000	-12.1
Franklin	2,737	2,793	2,850	2,910	2,954	217	7.9
Groveland Twp.	4,744	5,296	6,141	6,921	7,862	3,118	65.7
Hazel Park	19,486	19,948	18,238	17,766	17,302	-2,184	-11.2
Highland Park	17,380	19,412	22,267	24,712	27,154	9,774	56.2
Holly	5,001	5,086	5,150	5,232	5,286	285	5.7
Holly Township	3,519	3,792	4,071	4,374	4,679	1,160	33.0
Huntington Woods	6,456	6,280	6,051	5,883	5,718	-738	-11.4
Independence Twp.	23,908	25,530	27,798	29,503	31,380	7,472	31.3
Keego Harbor	2,933	2,977	2,904	2,833	2,749	-184	-6.3
Lake Angelus	344	334	323	317	311	33	-9.4
Lake Orion	2,928	2,957	2,986	3,008	3,039	111	3.8
Lathrup Village	4,470	4,526	4,573	4,648	4,723	253	5.7
Leonard	393	387	380	377	375	-18	-4.6
Lyon Township	9,284	10,443	12,073	13,447	15,193	5,909	63.6
Madison Heights	32,862	31,929	30,739	29,945	29,148	-3,714	-11.3
Milford	5,279	5,246	5,192	5,147	5,128	-151	-2.9
Milford Twp.	6,630	7,489	8,746	9,765	10,999	4,369	65.9
Northville	4,175	4,447	4,690	4,722	4,812	637	15.3
Novi	32,710	50,727	55,718	59,592	61,509	28,799	88.0

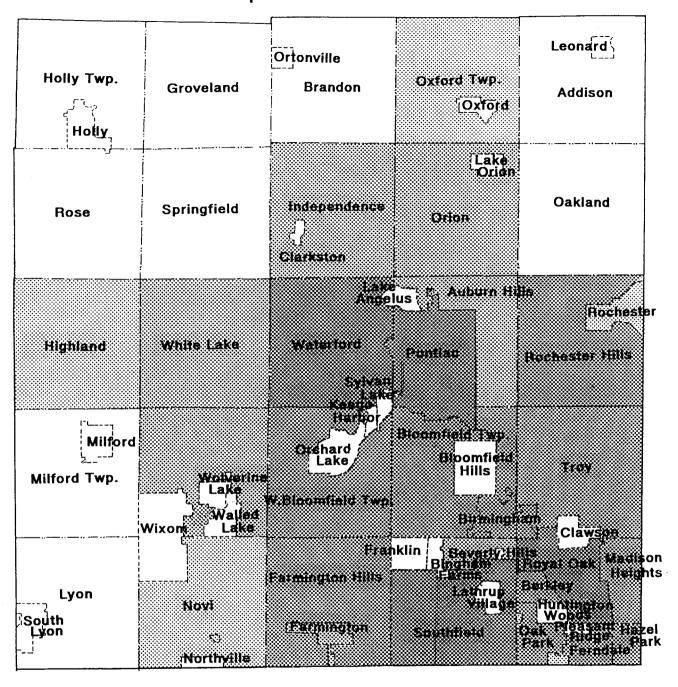
Oakland Twp.	9,050	10,183	11,821	13,283	15,051	6,001	66.3
Oak Park	31,625	31,609	31,223	30,753	30,254	-1,371	-4.3
Orchard Lake	2,383	2,430	2,488	2,518	2,584	201	8.4
Orion Twp.	21,045	22,474	24,572	26,269	28,199	7,154	34.0
Ortonville	1,177	1,179	1,238	1,291	1,351	174	14.8
Oxford	2,815	2,807	2,829	2,842	2,869	54	1.9
Oxford Twp.	8,995	9,900	11,158	12,243	13,568	4,573	50.8
Pleasant Ridge	3,034	3,003	2,894	2,827	2,751	-283	-9.3
Pontiac	72,519	70,393	67,595	65,934	64,050	-8,469	-11.7
Rochester	7,247	7,326	7,366	7,379	7,361	114	1.6
Rochester Hills	61,807	67,837	74,810	79,309	83,439	21,632	35.0
Rose Township	5,012	5,508	6,297	7,038	7,933	2,921	58.3
Royal Oak	66,728	65,462	63,186	61,739	60,247	6,481	-9.7
Royal Oak Twp.	5,310	5,259	5,096	4,965	4,834	-476	-9.0
Southfield	77,547	80,507	82,251	84,437	85,031	7,484	9.7
South Lyon	6,108	6,819	6,923	6,918	6,956	848	13.9
Springfield Twp.	9,801	11,110	13,060	14,789	16,817	7,016	71.6
Sylvan Lake	2,024	1,977	1,921	1,878	1,850	-174	-8.6
Troy	71,749	76,276	82,188	85,792	88,745	16,996	23.7
Walled Lake	5,444	5,753	6,018	6,213	6,330	886	16.3
Waterford Twp.	68,020	69,742	71,865	73,698	75,429	7,409	10.9
W.Bloomfield Twp.	55,736	59,339	63,708	66,445	68,822	13,086	23.5
White Lake Twp.	24,397	25,996	28,075	29,463	30,969	6,572	26.9
Wixom	10,101	10,917	11,658	12,304	12,908	2,807	27.8
Wolverine Lake	4,675	4,740	4,793	4,879	4,925	250	5.3
Oakland County	1097666	1154402	1205987	1244778	1279882	182,216	16.6

Source: Regional Development Forecast, 1989

Table 5
Projected Population as a Percentage of Total County Population

Community	1990	1995	2000	2005	2010
Addison Twp.	0.44%	0.47%	0.53%	0.58%	0.64%
Auburn Hills	1.45%	1.71%	1.74%	1.80%	1.82%
Berkley	1.62%	1.51%	1.40%	1.33%	1.27%
Beverly Hills	1.01%	0.94%	0.87%	0.83%	0.78%
Bingham Farms	0.11%	0.11%	0.12%	0.12%	0.14%
Birmingham	1.85%	1.73%	1.61%	1.53%	1.47%
Bloomfield Hills	0.43%	0.42%	0.42%	0.42%	0.41%
Bloomfield Twp.	4.18%	4.05%	3.96%	3.86%	3.77%
Brandon Twp.	0.84%	0.91%	1.03%	1.14%	1.27%
Clarkston	0.09%	0.08%	0.08%	0.07%	0.07%
Clawson	1.35%	1.26%	1.17%	1.12%	1.07%
Commerce Twp.	2.00%	2.00%	2.03%	2.05%	2.08%
Farmington	0.98%	0.95%	0.92%	0.89%	0.86%
Farmington Hills	6.72%	6.87%	7.07%	7.23%	7.31%
Ferndale	2.25%	2.07%	1.91%	1.79%	1.70%
Franklin	0.25%	0.24%	0.24%	0.23%	0.23%
Groveland Twp.	0.43%	0.46%	0.51%	0.56%	0.61%
Hazel Park	1.78%	1.73%	1.51%	1.43%	1.35%
Highland Park	1.58%	1.68%	1.85%	1.99%	2.12%
Holly	0.46%	0.44%	0.43%	0.42%	0.41%
Holly Township	0.32%	0.33%	0.34%	0.35%	0.37%
Huntington Woods	0.59%	0.54%	0.50%	0.47%	0.45%
Independence Twp.	2.18%	2.21%	2.30%	2.37%	2.45%

# Chart 7 1970 Population Distribution



Over 50,000 persons	
Between 20,000 and 50,000 persons	
Between 10,000 and 20,000 persons	
Between 5,000 and 10,000 persons	
Less than 5,000 persons	

Total Population: 907,871

# Chart 8 1980 Population Distribution

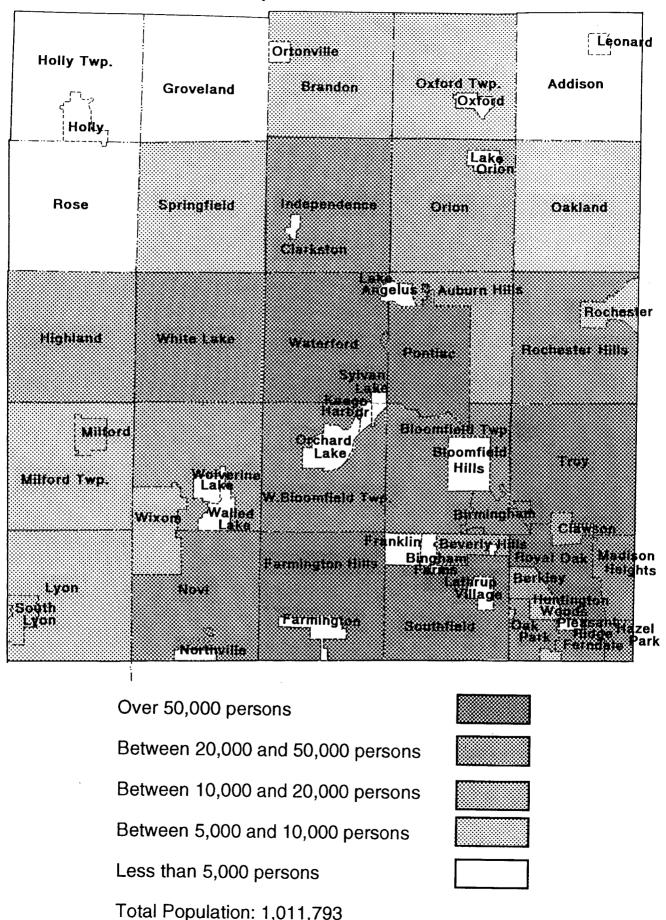


Chart 9 1990 Population Distribution

Holly Twp. Holly	Groveland	Ortonville Brandon	Oxford Twp.	Leonard Addison
Rose	Springfield	Independence Clarkston	Crion	Oakland
Highland	White Lake	Valuated  Sylven Lake	lus Auburn Hi Pontiac	Rocheste Rochester Hills
Milford Milford Twp.	Wolverine Lake	Harber Orchard Lake		ngham:
Lyon South Lyon	Northyille	Famington Hills Farmington	ngham Hills Partiti. Lathrup Village Spettifield	Pleasant Fid Park Ferndale Haze
0	ver 50,000 pers	sons		Parl
В	etween 20,000 a	and 50,000 pers	ons	
В	etween 10,000 a	and 20,000 pers	ons	
В	etween 5,000 ar	nd 10,000 perso	ns	
Le	ess than 5,000 p	persons		

Total Population: 1,083,592

# Chart 10 Projected Population Increase 1990-2010

Holly Twp.	Groveland	Octonville Brandon	Oxford Twp.	Leona (d) Addison
Rose	Springfield	Independence	Lake Orien Orien	Oakland
Highland	White Lake	Lake Angr Waterford Sylvan Keego ↓	Pontiac	Rochester Flochester Hills
Milford Twp:		Orchard L	Bloomfield Twp: Bloomfield ke Hills	Tray
Lyon South Lyon	Wixom Walled S Anvi	France Fr	klin Beverly Hi	lis Pipyai Cas Madison Pipyai Cas Madison He ghts Berkley Phystingtin He Woods Persant Park Park
E	More than 20,000 Between 10,000	and 20,000 per	*****	Ferndale
E L	Between 5,000 a Between 1,000 a Less than 999 pe Population Declin	nd 4,999 perso	200000	
F	Projected Total P	opulation 2010	: 1,279,882	

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### **Population Characteristics**

Based on the 1990 U.S. Census data describing selected population and housing characteristics the following descriptions may be applied to the population of Oakland County and their household arrangements.

According to the 1990 Census, the sex distribution of Oakland county residents is 52.4% female and 48.6% male.

The minority population in Oakland County represented twelve percent of the county's total population according to the 1990 census data. Oakland County became racially more diverse between 1980 and 1990. The white population increased from 942,067 to 970,674 and the black population grew form 47,962 to 77,488. Asian or Pacific Islanders more than doubled in numbers, increasing from 11,720 to 25,103 between 1980 and 1990.

Table 6 lists the general age breakdown of the population at the 1980 and 1990 Census. Table 7 provides a detailed breakdown of the age distribution of county residents as of the 1990 Census.

Between the 1980 and 1990 Census, the percentage of the county residents under the age of five increased by more than ten percent, while the 5 to 17 and 18-24 age groups experienced declines in excess of ten percent. The 35 to 44 age bracket showed the greatest increse, and the 75+ and 65 to 75 age groups showed the second and third largest increases respectively.

Table 6
General Age Distribution, 1970-1990

	Under Eighteen	Over Sixty-five	Median Age
1980	29.0%	9.0%	30.0
1990	24.7%	10.9%	33.8
Source: U.S. Ce	ensus, 1980 - 1990		

Table 7
Detailed Age Distribution, 1990

Under Five	78,224	(7.2%)
Five to Seventeen	189,834	(17.5%)
Eighteen to Twenty	41,480	(3.8%)
Twenty-one to Twenty-four	58,593	(5.4%)
Twenty-five to Forty-four	381,212	(35.2%)
Fifty-five to fifty-nine	123,344	(11.4%)
Sixty to Sixty-four	46,597	(4.3%)
Sixty-five to Seventy-four	70,237	(6.5%)
Seventy-five to Eighty-four	36,131	(3.3%)
Eighty-five and over	11,520	(1.1%)

Source: U.S. Census, 1990

Following the national trend, the median age of an Oakland County resident is on the rise; the 1990 Census reports a county median age of 33.8 years. In 1990

nearly twenty- five percent of the population is under the age of eighteen and almost eleven percent are over the age of sixty-five.

The 1980 Census found that thirty-five percent of Oakland County residents are high school graduates, and twenty-four percent are college graduates. An additional thirty-five percent have attended one to three years of college. These percentages describe Oakland County residents as well-educated.

The Oakland County Community Profiles provide 1987 per capita income data for each Oakland County community. The highest per capita income is found in Bloomfield Hills (\$54,740) and the lowest is found in the city of Pontiac (\$9,832). The 1988 per capita income for Oakland County was \$24,448.

The 1980 Census documented that the majority of Oakland County residents are employed as Mangers and Professionals (31%) and Technicians, Sales and Administrative Support (32%). The dominant industries of employment were manufacturing (29%), Wholesale and Retail (23%) and Professionals Services (22%). This information depicts the majority of Oakland County residents employed in traditionally white-collar jobs, and in many cases a non-manufacturing industry.

# Housing and Household Characteristics

The number of households in Oakland County grew from 355,187 in 1980 to 410,488 in 1990. The greatest gain was in the married-couple family households which increased from 229,116 in 1980 to 291,645 in 1990. Married-couple households account for 58.5% of the total number of household reported by the 1990 Census. The number of non-family household also has increased significantly from 85,797 in 1980 to 118,843 in 1990.

The total number of housing units in Oakland County was 432,684 in 1990. Over seventy percent of those units were owner-occupied. The homeowner vacancy rate was 1.4%, and the rental vacancy rate was 7.6%.

The average number of persons per household was 2.61 at the time of the 1990 Census. The number of persons per owner-occupied units was 2.83, and 2.04 persons per renter-occupied units.

Approximately 67% of county residential units are single family detached. An additional 22,434 units are single family attached.

According to the 1990 U.S. Census the median value of a single family owner-occupied home in Oakland County rose sixty-four percent for \$58,100 in 1980 to \$95,400 in 1990. The 1990 average housing cost reported by the Economic Development Division of Oakland County was \$106,670.

SEMCOG prepared household growth projections for the same period as the population projections Table 8 shows these projections for each community in Oakland County. Only the city of Pontiac is expected to experience a decline in the number of households. Novi, Farmington Hills, Rochester and Troy are predicted to gain the greatest absolute number of households.

Table 8
Household Growth Projections, 1990-2010

Community	1990	1995	2000	2005	2010	Absolute Increase 1990- 2010	Percent Increase 1990- 2010
Addison Twp.	1,608	1,876	2,239	2,602	3,039	1,431	89.0
Auburn Hills	6,693	8,262	9,032	9,788	10,602	3,909	58.4
Berkley	6,837	6,915	6,972	7,042	7,107	270	3.9
Beverly Hills	4,092	4,160	4,195	4,233	4,262	170	4.2
Bingham Farms	411	463	524	573	686	275	66.9
Birmingham	9,210	9,458	9,694	9,929	10,140	930	10.1
Bloomfield Hills	1,611	1,733	1,871	1,989	2,105	494	30.7
Bloomfield Twp.	16,114	17,179	18,238	19,073	19,809	3,695	22.9
Brandon Twp.	3,038	3,607	4,383	5,151	6,062	3,024	99.5
Clarkston	407	416	423	431	438	31	7.6
Clawson	5,646	5,741	5,811	5,892	5,958	312	5.5
Commerce Twp.	7,508	8,213	9,051	9,800	10,582	3,074	40.9
Farmington	4,773	5,009	5,224	5,388	5,525	752	15.8
Farmington Hills	29,591	32,626	35,988	38,794	41,453	11,682	40.1
Ferndale	10,059	10,122	10,128	10,142	10,153	94	0.9
Franklin	1,010	1,067	1,129	1,185	1,240	230	22.8
Groveland Twp.	1,558	1,812	2,158	2,504	2,920	1,362	87.4
Hazel Park	7,236	7,307	7,326	7,355	7,381	145	2.0
Highland Twp.	5,982	6,898	8,069	9,146	10,328	4,346	72.7
Holly	1,823	1,910	2,006	2,089	2,171	348	19.1
Holly Township	1,279	1,426	1,573	1,727	1,898	619	48.4
Huntington Woods	2,453	2,473	2,480	2,485	2,489	36	1.5
Independence Twp.	8,044	8,951	10,054	11,048	12,102	4,058	50.4
Keego Harbor	1,274	1,323	1,339	1,347	1,353	79	6.2
Lake Angelus	137	139	140	142	144	7	5.1
Lake Orion	1,211	1,275	1,348	1,413	1,478	267	22.0
Lathrup Village	1,633	1,709	1,795	1,880	1,966	333	20.4
Leonard	130	133	136	139	142	12	902
Lyon Township	3,230	3,745	4,438	5,123	5,933	2,703	83.7
Madison Heights	12,810	12,924	12,962	13,002	13,036	226	1.8
Milford	1,957	2,013	2,063	2,113	2,163	206	10.5
Milford Twp.	2,141	2,522	3,030	3,517	4,078	1,937	90.5
Northville Novi	1,362 12,819	1,482	1,607	1,703	1,789 26,654	427	31.4 107.9
Oakland Twp.	2,864	19,596 3,338	22,250	24,491		13,835	87.7
Oak Park	11,417	11,536	3,980 11,564	4,616 11,605	5,376 11,636	2,512 219	
Orchard Lake	736	791	854	908	963	219	1.9 30.8
Orion Twp.	7,501	8,441	9,621	10,713	11,909	4,408	58.8
Ortonville	451	486	530	572	618	167	37.0
Oxford	1,144	1,185	1,232	1,276	1,321	177	15.5
Oxford Twp.	3,110	3,527	4,080	4,622	5,259	2,149	69.1
Pleasant Ridge	1,159	1,182	1,185	1,192	1,197	38	3.3
Pontiac	26,289	26,302	26,223	26,166	26,120	(169)	06
Rochester	3,468	3,628	3,783	3,907	4,016	548	15.8
Rochester Hills	21,568	24,516	27,855	30,533	33,086	11,518	53.4
Rose Township	1,606	1,850	2,183	2,517	2,921	1,315	81.9
Royal Oak	28,530	29,023	29,188	29,407	29,508	1,050	3.7
Royal Oak Twp.	2,770	2,822	2,836	2,844	2,850	80	2.9
Southfield	33,792	35,754	37,494	39,168	40,517	6,725	19.9
South Lyon	2,566	2,996	3,140	3,257	3,372	806	31.4
	_,500	2,770	5,140	3,237	5,572	000	31.7

Springfield Twp.	3,257	3,834	4,617	5,388	6,299	3,042	93.4
Sylvan Lake	877	890	902	916	929	52	5.9
Troy	26,760	29,800	33,102	35,697	38,099	11,339	42.4
Walled Lake	2,339	2,501	2,669	2,807	2,933	594	25.4
Waterford Twp.	25,965	27,807	29,878	31,707	33,528	7,563	29.1
W.Bloomfield Twp.	19,420	21,487	23,762	25,592	27,320	7,900	40.7
White Lake Twp.	7,988	8,891	9,979	10,940	11,944	3,956	49.5
Wixom	4,391	4,813	5,278	5,679	6,069	1,678	38.2
Wolverine Lake	1,689	1,785	1,873	1,960	2,043	354	21.0
Oakland County	417,344	453,670	487,984	517,225	547,891	129,747	31.1

Source: Regional Development Forecast, 1989

Section VI Administrative Structure



# DMINSTRATIVE STRUCTURE

The Oakland County Parks and Recreation Commission was established in 1966, with an initial loan of \$100,000 from the Oakland County Board of Supervisors for organization, preliminary planning and acquisitions. That same year, Oakland County voters approved a 1/4 mill tax levy, and with funds from this tax, the Commission immediately began to acquire and preserve park lands on the fringes of the suburban centers.

Land acquisitions have been made possible with the financial assistance of state and federal agencies and continued millage renewals. A millage renewal was passed in 1970 by a 2-1 margin, another was passed in 1976 by 58.4%, a fourth was passed in 1984, and a fifth was passed in 1990 by a 2-1 margin. Matching funds from the Michigan Department of Natural Resources have provided additional revenue for land acquisitions and public facilities improvements within the parks.

The Parks Commission is comprised of ten appointed members. The Commission is responsible for the development of a park system that provides unique and specialized facilities and programs not normally provided by local agencies, maximize the use of park lands with minimal impact on natural resources, and provide opportunities for a wide variety of indoor and outdoor recreational experiences. To date, the Parks and Recreation Commission owns and operates nine county parks. In addition to the park areas, the Commission sponsors a mobile recreation program and special events for all ages to complement the recreation programs of the Detroit Metropolitan Area.

### **Enabling Resolution**

The Oakland County Parks and Recreation Commission was created by action of the Oakland County Board of Supervisors by resolution No. 4531, on February 8, 1966 under the authority of Public Act 261 of the Public Acts of 1965.

To: The Oakland County Board of Supervisors Re: County Parks and Recreation Commission

Mr. Chairman, Ladies and Gentlemen,

WHEREAS Act 261 of the Public Acts of 1965 provides that a County may create a County Parks and Recreation Commission and

WHEREAS the Commission shall consist of ten (10) members, including the Chairman of the Board of County Road Commissioners, the County Drain Commissioner and Chairman of the County Planning Commission and seven (7) members appointed by the Board of Supervisors, at least one (1) and not more than three (3) of whom shall be members of the Board of Supervisors, and

WHEREAS your Committee deems it in the best interests of the citizens of the County of Oakland to establish a "County Parks and Recreation Commission", NOW THEREFORE BE IT RESOLVED that pursuant to the provisions of Act 261 of the Public Acts of 1965 the County of Oakland hereby creates a "County Parks and Recreation Commission", as above provided.

Mr. Chairman, on behalf of the Ways and Means Committee, I move the adoption of the foregoing resolution.

Moved by Carey, supported by Wilcox, the resolution be adopted.

A sufficient majority have voted, therefore the resolution was adopted.

#### Administration

The enabling act states that there shall be ten (10) commissioners. The present commissioners are:

Lewis E. Wint (Chairman)
Jean M. Fox (Vice Chairman)
Pecky D. Lewis, Jr. (Secretary)
Fred Korzon
George W. Kuhn
Richard D. Kuhn, Jr.
Thomas A. Law
John E. Olsen
Roy Rewold
Lawerence E. Litton

### **Management Structure**

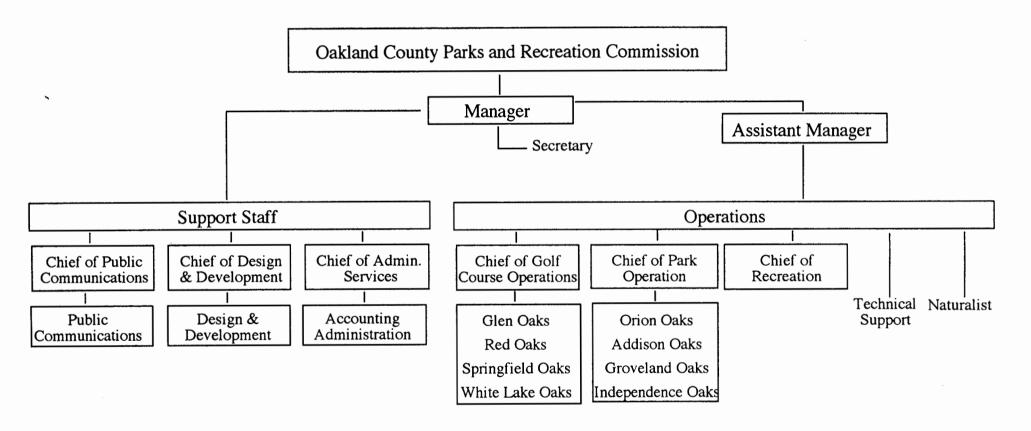
The Commission establishes policies, develops plans and programs, and makes financial decisions. The Manger performs a liaison function between the Commission and staff, is responsible for coordinating the directives of the Commission, overseeing acquisitions and implementing development plans. All other Commission staff are directly responsible to him. The other key staff positions responsible for the management of the parks and recreation system are:

Assistant Manager
Chief of Administrative Services
Chief of Design and Development
Chief of Golf Course Operations
Chief of Park Operations
Chief of Recreation
Public Communications Officer

The chart on the following page illustrates the organization of the Oakland County Parks and Recreaton Commission staff.

# CHART 11

# Oakland County Parks and Recreation Commission Organizational Chart



## Full-time administrative personnel are:

Accountant III
Secretary II
Secretary I
Employee Record Specialist
Two Accounts Clerks II
Account Clerk I
Public Communication Assistant I
Architectural Engineer II
Architectural Engineer I
Three Typists II
Clerk III

### Part-time administrative personnel are:

2 Technical Aids 2 Summer Employees 5 Parks Helpers Technical Support

### Non-administrative personnel are:

Park Maintenance Supervisor Auto Mechanic II 2 Skilled Maintenance Mechanics III 2 Skilled Maintenance Mechanics II General Maintenance Mechanic 2 Park Maintenance Aides Parks Maintenance Aide (non-funded) Clerk I

### Part-time non-administrative personnel

3 Summer Employees 2 Parks Helpers

Other Parks and Program Personnel listed according to facility are:

### Addison Oaks

Full-Time

Park Supervisor Assist. Park Super. -not funded Grounds Equipment Mechanic General Maintenance Mechanic Groundskeeper Specialist Groundskeeper II Clerk IIII Part-Time

Parks Helpers (8) Lifeguards (5) Gate and Boat Attendants (10) Summer Laborers (5) Seasonal Program Specialist (3)

#### Glen Oaks

**Full-Time** 

Grounds Maint. Supervisor Grounds Equipment Mechanic General Maintenance Mechanic Groundskeeper II Storekeeper III

Part-Time

Cashiers & Starters (9) Summer Laborers (7) Parks Helpers (19)

### Groveland Oaks

Full-Time

Park Supervisor General Maintenance Mechanic Ground Equipment Mechanic

Part-Time

Lifeguards (7)
Gate and Board Attendants (13)
Recreation Specialist II (2)
Program Leader (1)
Summer Laborers (12)
Parks Helpers (7)

# Independence Oaks

Full-Time

Park Supervisor Assistant Park Supervisor Grounds Equipment Mechanic General Maintenance Mechanic 3 Groundskeepers II

Part-Time

Lifeguards (5)
Gate and Boat Attendants (13)
Seasonal Program Specialist (1)
Summer Laborers (5)
Parks Helpers (5)

#### Orion Oaks

Undeveloped. No Staff.

### Red Oaks Golf Course

Full-Time

Parks Maintenance Supervisor Grounds Equipment Mechanic Storekeeper III

Part-Time

Cashiers (6) Summer Laborers (3) Parks Helpers (17)

## Red Oaks Sports Village

Public-Private Partnership. No County Staff.

#### Red Oaks Water Park

Full-Time

Skilled Maint. Mechanic II

Part-Time

Seasonal Program Specialist III Seasonal Program Specialist II Seasonal Prgm. Specialist I (2) Lifeguards (44) Cashiers (15) Summer Laborers (8) Parks Helpers (3)

# Springfield Oaks Golf Course

Full-Time

Grounds Maintenance Supervisor Grounds Equip. Mechanics (2) General Maintenance Mechanic Groundskeeper II Storekeeper III Part-Time

Cashiers & Starters (6) Summer Laborers (5) Parks Helpers (15)

Springfield Oaks Youth Activity Center

Full-Time

General Maintenance Mechanic

Part-Time

Summer Laborers (2) Parks Helpers (6)

Waterford Oaks

Full-Time

Park Supervisor Park Maintenance Aide

Waterford Oaks Activity Center

Part-Time

Parks Helpers (2) Gate Attendants (2)

Waterford Oaks Wavepool & Waterslide

Full-Time

General Maintenance Mechanic

Part-Time

Seasonal Prgm. Specialist II (1) Seasonal Prgm. Specialists I (2) Lifeguards (30) Cashiers (6) Summer Laborers (6) Parks Helpers (2) Waterford Oaks Tennis Complex

Part-Time

Seasonal Prgm. Specialists I (2) Gate Attendants (3) Parks Helpers (1)

White Lake Oaks

Full-Time

Grounds Maint.Supervisor Grounds Equipment Mechanic General Maintenance Mechanic Storekeeper III

Part-Time

Cashiers & Starters (6) Summer Laborers (5) Parks Helpers (17)

**Program Personnel** 

BMX Program at Waterford Oaks

Part-Time

Seasonal Prgm. Specialist II (2)
Summer Laborer (1)
Program Leader (1)
Parks Helper (1)

Mobile Recreation & Special Activities

**Full-Time** 

Laborers (3) Clerical (1) Seasonal Prgm. Specialists I (5) Program Leaders (19) Parks Helpers (9)

# Nature Program at Independence Oaks

**Full-Time** 

Naturalist (1)

Recreation Specialists (3)

Part-Time

Seasonal Prgm. Specialist II (1) Program Leaders (3)

Parks Helpers (3)

### **Recreation Administration**

Full-Time

Recreation Supervisors (2)

Typist II Clerk III

Rec. Specialist I-3/4 funded

Part-Time

Parks Helpers (3)

# Therapeutic Program

Part-Time

Parks Helpers (3)

# Methods for Maintaining Facilities

The Chief of Park Operations is responsible for all facility maintenance and coordinates manpower and materials throughout the system. Each park has a Park Manager who lives on site after it is developed and is responsible for maintenance of that park.

# Methods for Programming

Programming functions are performed by two persons, the Assistant Manger and the Mobile Recreation Supervisor. The Deputy Director programs special events such as county-wide bicycle races. The Mobile Recreation Supervisor responds to local requests for the mobile recreation units and programs, initiates these events, and advises communities without park and recreation departments.

# **Public Communications Program**

The Oakland County Parks and Recreation Commission Public Communications division provides a comprehensive marketing and communications program to for the Oakland County Park and Recreation System. Among the responsibilities of the public communications division is the promotion of the park system through the media, customer service programs, research direct mail campaigns, targeted advertising, corporate sponsorships, exhibits, and community organization interaction.

The public communications division distributes more than one hundred news releases and public service announcements annually to metropolitan Detroit daily newspapers, weekly newspapers, magazines, special publications, metro area radio stations, and cable television stations. As many as two hundred thousand park brochures are distributed annually to all Oakland County city, village and township offices, public libraries, AAA branch offices, Board of Realtors, Welcome Wagon, as well as many other organizations and locations.

Graphic communication of park facilities and activities includes hundreds of special event flyers describing the nature programs, golf tournaments, activities center classes, foundation activities, etc. are produced each year. A color photo exhibit depicting scenes and activities in the parks appears daily in various locations including libraries, community centers, shopping centers, banks, hospitals and other public places. Dozens of community organizations including service clubs, senior citizen groups, church clubs and other groups view the Oakland County parks slide presentation and receive parks literature. The Acorn newsletter is mailed to some fifteen thousand park visitors, Oakland County employees, volunteers, Oakland Parks Foundation members and others.

Radio and television spots include features on the wave pool, nature programs or special events. Interviews with the parks staff and/or manager are also the subject of radio-TV coverage. Cable television programs are produced on topics ranging from platform tennis and boating safety to cross country skiing and golf. The series is currently carried on seven cable systems in Oakland County.

## Finances and Budget

Revenues to support the Oakland County Parks and Recreation System operations and capital improvements are derived from a variety of sources. The primary revenue generators are user fees, the millage, interest income, and land contracts. Other forms of revenue are received through grants given at the state and federal levels along with donations and gifts. Neither grants or gifts are planned as a regular contribution to the annual budget.

The 1991 General Appropriation Act of the Oakland County Parks and Recreation Commission established a general budget totaling \$10,360,890.00. It is anticipated in 1991 that 84.1% of the budget or \$8,463,722 will be spent on operations and 15.9% or \$1,897,118 will be allocated to capital improvements.

In 1990 a revenue budget of \$9,739,040 was originally proposed. The budget was adjusted in 1990 to reflect a 1% increase to \$9,884,718. The operating budget, proposed at \$8,191,965, was adjusted to \$8,076,457 indicating a 1% decrease with capital improvements increasing .85% from \$1,547,075 to \$1,808,261.

# Fees and Charges

The Commission is responsible for setting all user fees and adjustments. All fees and charges are paid in advance or at the time the facility is being utilized by the public. Individuals or groups which are exempt or partially exempt from user fees or charges are:

- 1. Sr. Citizens, 62 +, (reduction weekdays and free park entrance weekdays).
- 2. Youth Groups (50% reduction as authorized by the manager)
- 3. Governmental units in Oakland County (50% reduction)
- 4. Governmental units and non-profit organizations (other than prime time)
- 5. Other requests are addressed as individual petitions brought before the Commission.

### Day User Fees

The day user fee at most parks is \$3.00 per car per day for a county resident and \$6.00 per car per day for a non-county resident. An annual vehicle permit for a

resident runs approximately \$18.00 for first vehicle and \$9.00 per additional vehicle. Non-residents pay \$30.00 per vehicle. Walk-ins or youth groups pay \$1.00 per person per day and non-residents pay \$2.00 per person per day.

### Camping Fees

Camping fees vary from \$8.00 per family per day for residents at older sites (includes the day use fee) to \$11.00 per family per day for non-resident at older sites (also includes day use fee). New sites range from \$12.00 for residents to \$15.00 for non-residents respectively. A second vehicle permit costs \$3.00 per registration.

Youth group rates also vary from \$1.00 per person per day for a resident to \$2.00 per person per day for a non-resident.

Sanitary dump station fees for non-campers ranges from \$5.00 per unit for a resident to \$7.00 per unit for non-resident. Dump fees are included in the campers registration fee.

# **Boat Rentals**

Boat rentals range from \$3.00 per hour to \$10.00 per week day for rowboats. Pedal boats are \$3.00 per 1/2 hour and canoes are \$3.00 per hour.

## Shelters and Picnicking

Shelters rentals vary according to facility from \$175.00 to \$275.00 plus an entrance fee.

### Golf Fees

Greens fees during the week range as follows:

\$6.50 for 9 holes - resident \$15.00 for 18 holes - resident

\$9.00 for 9 holes - non-resident \$16.00 for 18 holes - non-resident

\$4.75 for 9 holes - youth under 17 yrs. - resident only Mon-Fri prior to 3:00 pm \$8.50 for 18 holes - youth under 17 yrs. - resident only Mon-Fri prior to 3:00 pm

\$4.75 for 9 holes - Seniors 62 yrs. and over - resident \$8.50 for 18 holes - Seniors 62 yrs. and over - resident.

\$6.75 for 9 holes - Seniors 62 yrs. and over - non-resident \$12.50 for 18 holes - Seniors 62 yrs. and over - non-resident.

\*Weekends and holidays are additional fees

There are additional charges for carts, club rentals, lockers, and twilight golf play.

### Mobile Recreation

The County provides the following types of mobile recreation units:

- puppet mobile
- · skate mobile
- sports mobile
- mime show
- moonwalk
- show mobile

Theses units may be rented for \$125.00 - \$250.00 per eight hours.

### Youth Center

The Youth Center is available at a rental of \$600.00 per day. The Exhibit Hall is available separately for \$500.00 per five hours and \$50.00 for each additional hour for private wedding receptions. For public programs, the Center is available at \$400.00 for ten hours plus \$50.00 for each additional hour.

## Waterford Oaks Tennis Complex

Tennis Courts (8 courts) are \$2.00 per hour per court. Equipment rental is extra. Platform Tennis Courts (4 courts) are \$2.00 per hour per court (\$4.00 per hour with lights and weekends)

Shuffleboard (10 courts) is \$1.00 per hour per court which includes equipment Horseshoe Pits (10 pits) are \$1.00 per hour per pit including equipment Shelter Rental is \$200.00 per day

### Waterford Oaks Wave Pool

General admission is \$6.00, after 6:00 pm it is \$3.50

### Waterford Oaks Activity Center

The Activity Center is available for rental at \$600.00 per day and \$90.00 for each additional hour for wedding receptions or other similar parties. Program activities may use the center for \$350.00 for six hours with a \$50.00 fee for each additional hour. Instructional Classes may be scheduled for 50% of the student registration fee in lieu of room rental.

The following table describes utilization of the community assistance program for the years 1989 and 1990, and the proposed allocation of assistance for 1991.

Table 9
Community Assistance Program 1989, 1990 and Proposed 1991

City, Township, or Village	Allocated	Used	Allocated	Used	Rec.
Berkley	5	0	5	5	5
Birmingham	4	0	4	0	4
Bloomfield Hills	2	2	2	2	.2
Bloomfield SCAMP	4	4	4	4	4
Brandon/Grove/Orton Rec.	6	2	6	3	6
Clawson	5	3	5	7	5

City, Township, or Village	Allocated	Used	Allocated	Used	Rec.
Clawson SCAMP	3	3	3	0	3
Comm. Services of Oakland	3	2	3	1	3
Farmington Hills	5	0	5	3	5
Ferndale	5	0	5	0	5
Hazel Park	5	3	5	2	5
Huntington Woods	3	1	3	3	3
Independence Township	4	3	4	4	4
Madison Heights	6	1	6	0	6
Michigan Special Olympics		3	3	0	3
Muscular Dystrophy	0	0	2	0	2
Novi City	4	3	4	3	4
Oak Park	5	0	5	2	5
Oxford Township	4	0	4	0	4
Pleasant Ridge	3	0	3	0	4
Pontiac	6	5	6	4	6
Rochester-Avon Rec. Auth.	5	3	5	5	5
Royal Oak City	6	1	6	6	6
Royal Oak Boys & Girls	2	2	2	2	2
Puerto Rican Festival	3	3	3	0	3
South Lyon Comm. Ed.	4	0	4	4	4
Southfield City	5	2	5	3	5
Springfield Township	4	0	4	4	4
Trinity Miss. Baptist Church	3	3	3	3.	3
Troy	5	0	5	0	5
Walled Lake Comm. Ed.	2	0	2	0	2
Waterford Township	6	3	6	2	6
West Bloomfield Township	5	0	5	0	5

1989 utilized 52 visits at \$100.00 each = \$5,200.00 1990 utilized 69 visits at \$100.00 each = \$6,900.00 Source: Oakland County Parks and Recreation