OAKLAND
COMMUNITY
COLLEGE

Collision Auto Repair and Automobile Servicing
GIS Analysis
Fall 2002

Preliminary Report

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Oakland Community College
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Objective/Methodology

The purpose of this geographical analysis is to determine where Collision Auto Repair students and Automobile Servicing students reside, and to determine what geographical differences, if any, exist between the two groups.

The data used in this study was extracted from Fall 2002 One-Tenth Day data, supplemented with additional data from the Student Information System (Non-Traditional Data as of December 4, 2002) for non-credit students.

Four maps were generated for this study via GIS mapping software:

1. The first map depicts all students who were either enrolled in Collision Auto Repair and/or Automobile Serving courses during the Fall semester, or who had a declared CAR or AUS curriculum as of the Fall 2002 One-Tenth Day.
2. The second map represents students who enrolled in Collision Auto Repair courses or who had a declared CAR Curriculum, but did *not* enroll in Automobile Servicing courses or AUS curriculum during Fall 2002.
3. The third map includes students who enrolled in Automobile Servicing courses or who had a declared AUS major, but did *not* enroll in Collision Auto Repair courses or CAR curriculum during Fall 2002.
4. The fourth map is based upon students who enrolled in *both* Collision Auto Repair *and* Automobile Servicing courses, or who had a declared AUS curriculum and enrolled in Collision Auto Repair Courses during Fall 2002. (Note: There were no students with a declared Collision Auto Repair curriculum who took Automobile Servicing courses during Fall 2002.)

Limitations

Due to low sample sizes, caution should be used when interpreting the results of this geographic analysis, particularly for Collision Auto Repair Students (N=38), and for students enrolled in both Collision Auto Repair and Automobile Servicing courses and/or programs (N=18).

Key Findings

The maps included in this report highlight the geographic locations of three different sets of students involved in this Collision Auto Repair/Automobile Servicing geographic analysis. Listed below are descriptions of each map and key findings, where applicable.

Collision Auto Repair *and* Automobile Servicing Students – All Students in Study *(page 5)*

This map depicts the geographic location of all students included in this study: Collision Auto Repair students, Automobile Servicing students, and students in both Collision Auto Repair and Automobile Servicing.

All Students in Study (N=240)		
Top Cities of Residence	*Total Population of Students in Study*	
	N	%
Troy	18	7.5%
Pontiac	17	7.1%
Waterford	17	7.1%

Collision Auto Repair Students Only *(page 6)*

Students included in this map are those who took Collision Auto Repair Courses or who were enrolled in the CAR curriculum and were *not* enrolled in an Automobile Servicing course or program as of the One-Tenth Day of Fall 2002. Collision Auto Repair students were more likely to reside in the Eastern half of Oakland County. Six of the 38 students were from Macomb County. Pontiac was the only city with more than three students enrolled in the program.

*Collision Auto Repair Students (N=38)**		
Top Cities of Residence	*Students with a Declared CAR Curriculum or enrolled in CAR courses*	
	N	%
Pontiac	7	18.4%
Waterford	3	7.9%
Rochester	3	7.9%
Troy	3	7.9%
Holly	3	7.9%

** Note: Due to low sample sizes, caution should be used when interpreting these results.*

Automobile Servicing Students *(page 7)*

Students included in this data set are those who enrolled in Automobile Servicing courses (ATA) or had a declared Automobile Servicing curriculum (AUS), and who did *not* enroll in Collision Auto Repair Courses or the CAR program. Compared to CAR students, the distribution of Automobile Servicing students spanned a larger geographical area. Auto Servicing students were more likely to be dispersed throughout Oakland County, as well as surrounding counties (Genesee, Wayne, Macomb, etc.)

Automobile Servicing Students (N=184)		
Top Cities of Residence	*Students with a Declared AUS Curriculum or enrolled in ATA courses*	
	N	**%**
Waterford	14	7.6%
Rochester	13	7.1%
Troy	13	7.1%
Madison Heights	13	7.1%

Students in Both CAR and AUS courses and/or programs *(page 8)*

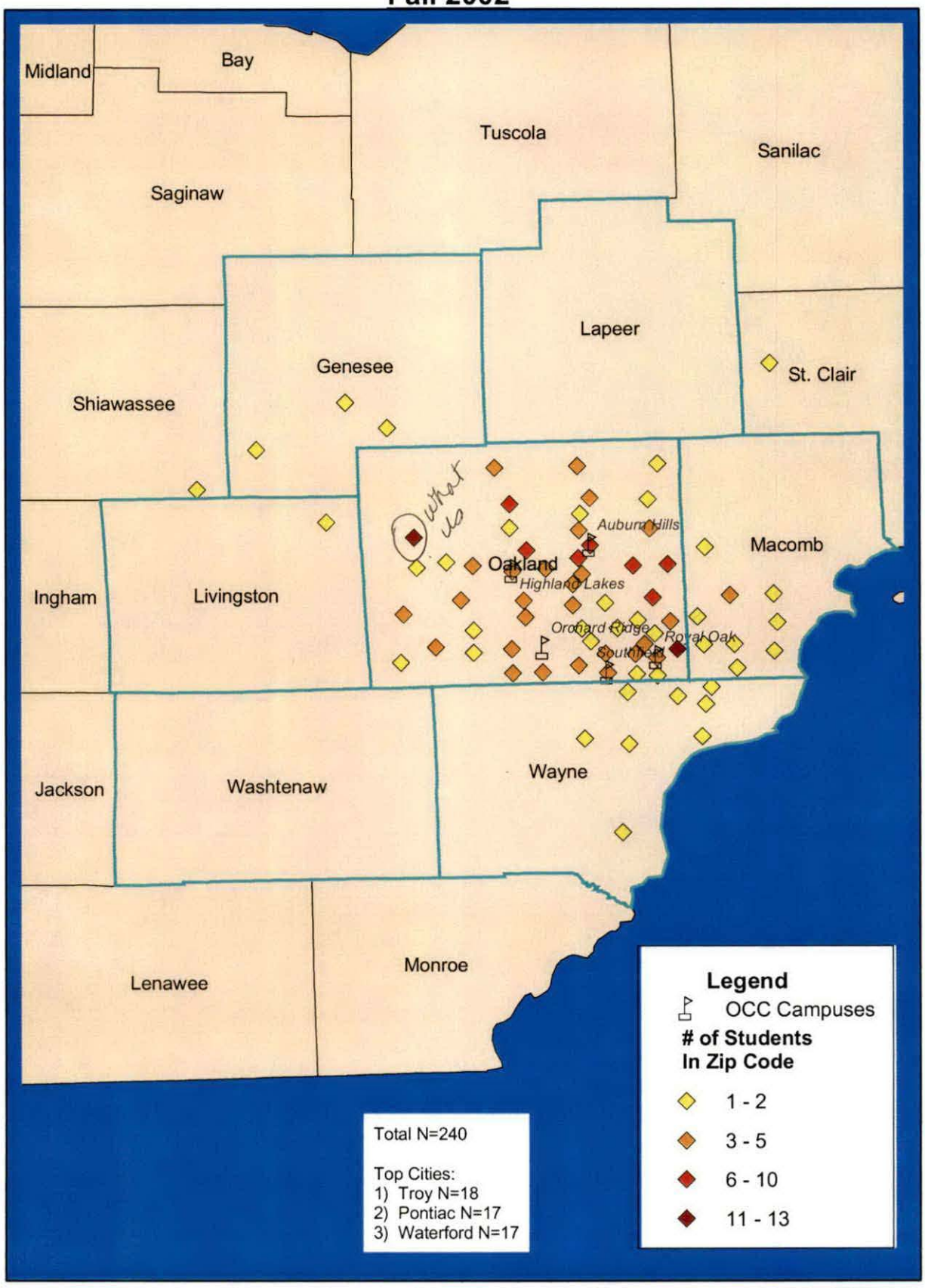
This map represents those students who were enrolled in both Collision Auto Repair and Automobile Servicing Courses, or who had a declared Automobile Servicing curriculum and took Collision Auto Repair Courses. (Note: There were no students with a declared Collision Auto Repair curriculum who took Automobile Servicing courses during Fall 2002.)

These students were primarily concentrated in the eastern half of Oakland County. There were no more than 2 students from any particular zip code, and only two cities (Rochester Hills and Troy) had more than one student from this category.

*Students in Both Collision Auto Repair and Automobile Servicing (N=18)**		
Top City of Residence	*Students in both Collision Auto Repair and Automobile Servicing*	
	N	**%**
Rochester Hills	4	22.2%
Troy	2	11.1%

** Note: Due to low sample sizes, caution should be used when interpreting these results.*

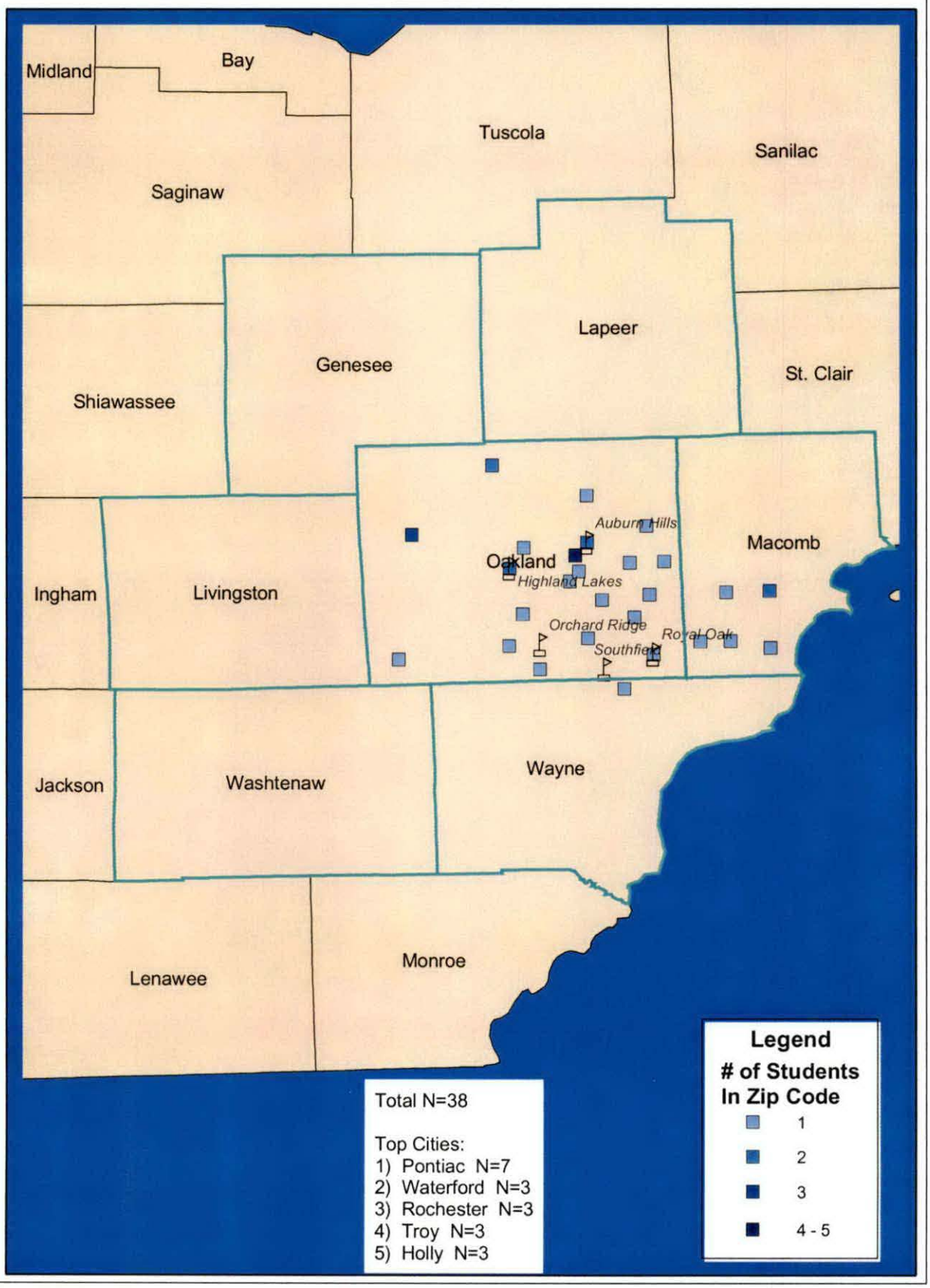
All Students in Collision Auto Repair and/or Automobile Servicing Courses Fall 2002



Source: OCC, Office of Institutional Research

1/28/03

Collision Auto Repair Students
Fall 2002



Source: OCC, Office of Institutional Research

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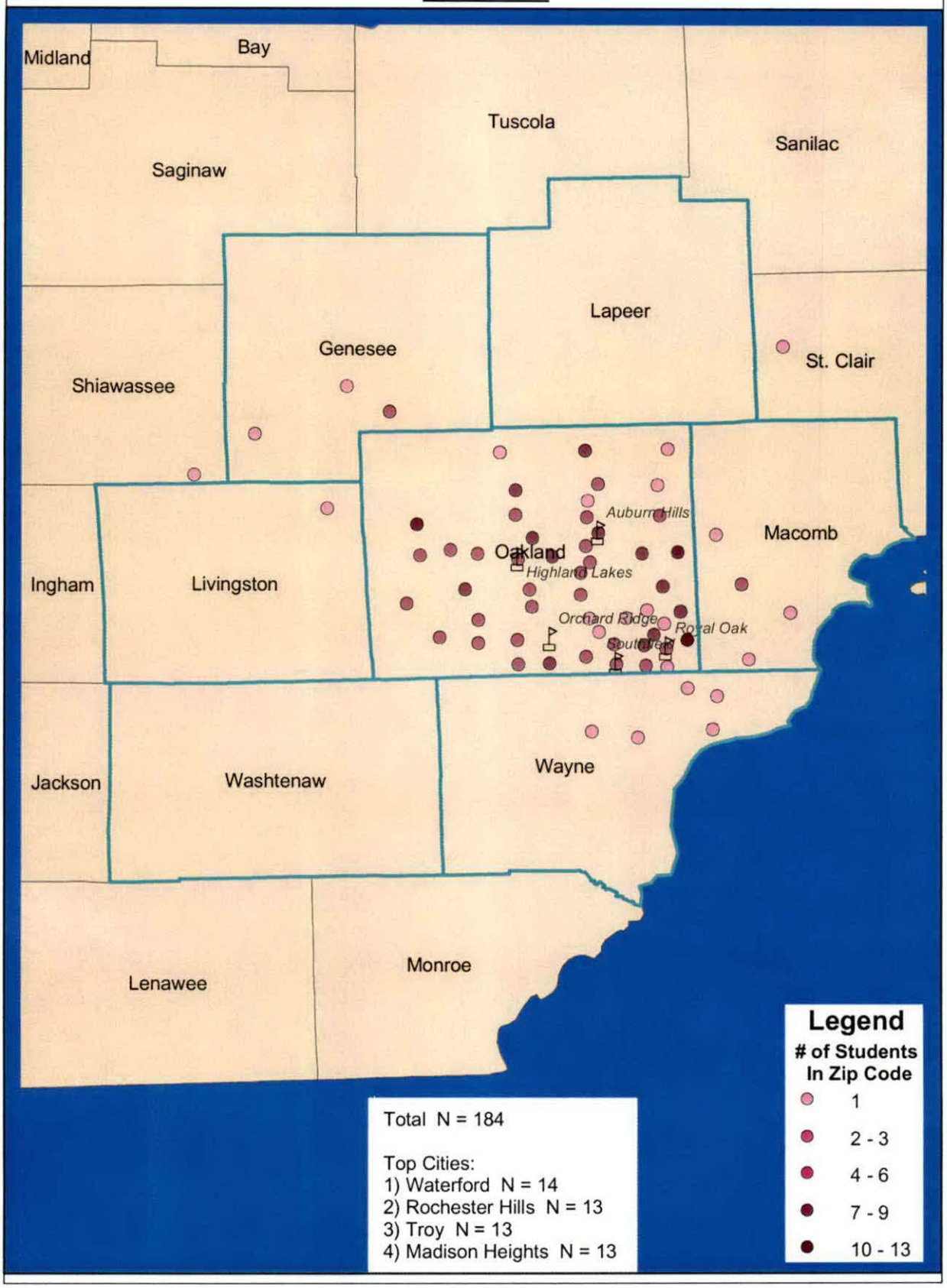
Auto Servicing Students
Fall 2002



Source: OCC, Office of Institutional Research

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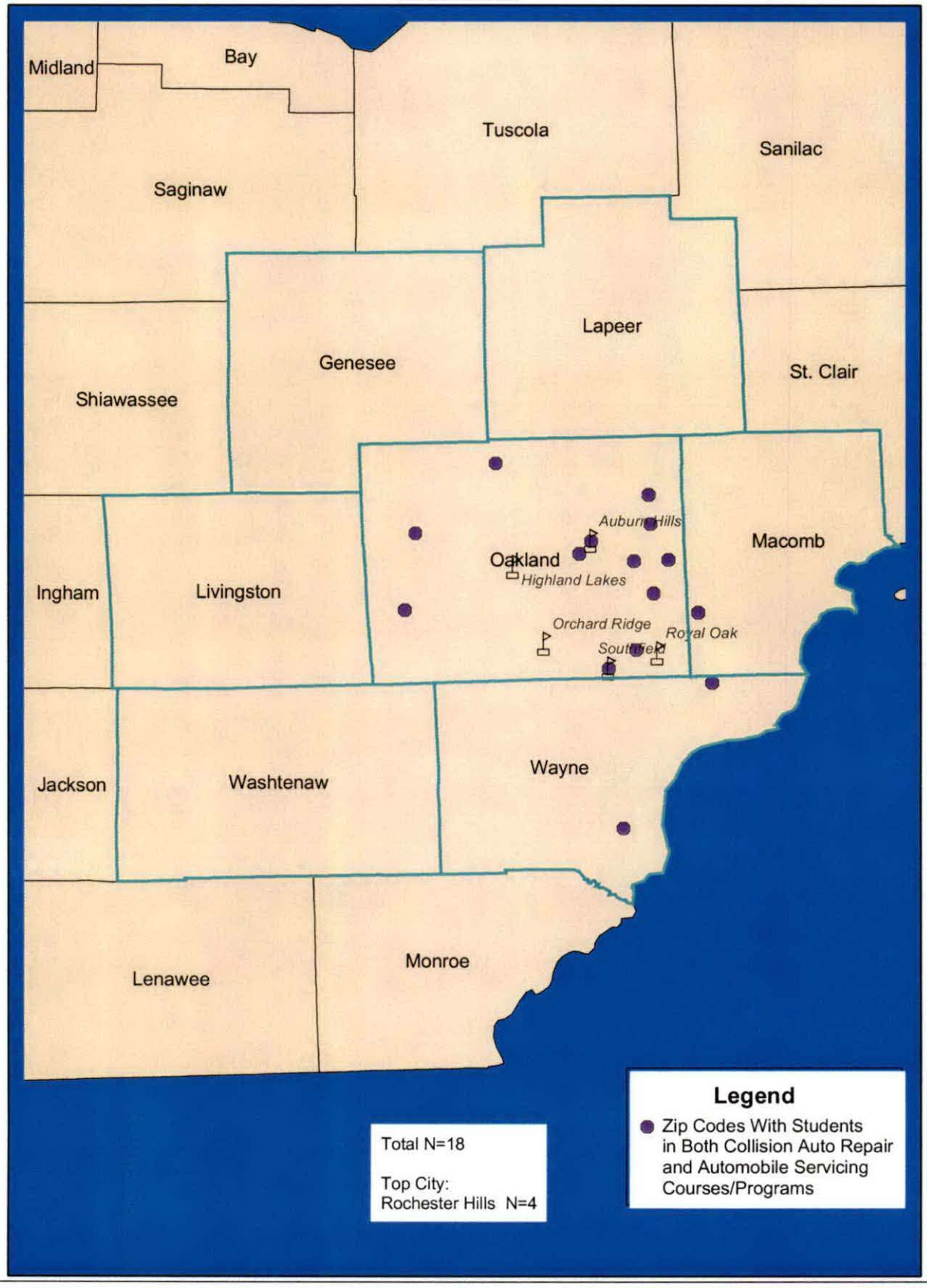
Students in Both Collision Auto Repair and Automobile Servicing Courses and/or Programs Fall 2002



Source: OCC, Office of Institutional Research

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Oakland Community College
Enrollment Data for Competitive Collision Auto Repair Programs
April 2002

doesn't include private schools

Enrollment in Collission Auto Repair Programs
2000-2001 Academic Year
Source: MCCNET

Collision Auto Repair, CIP Code 47.0603

School	Program Name	Degree Level	Number of Students Enrolled
Alpena Community College	Auto Body Repair	Certificate	30
Bay de Noc Community College	Auto Body Repair - Certificate	Certificate	1
Mott Community College	Auto Body Repair and Painting	Associate Degree	41
Kirtland Community College	CBI - Automotive Body Repairer	Certificate	2
Lansing Community College	Auto Body Repair	Associate Degree	58
Lansing Community College	Auto Body Repair	Certificate	21
Oakland Community College	Auto Truck and Trailer Repair	Associate Degree	1
Washtenaw Community College	Collision Repair, Degree	Associate Degree	22
Washtenaw Community College	Collision Repair, Adv. Cert.	Certificate	1
Washtenaw Community College	Classic Auto Restoration	Certificate	5
Washtenaw Community College	Auto Body Repair and Refinishing	Certificate	26
Wayne Community College	Automotive Body Repair	Associate Degree	6
Wayne Community College	Automotive Body Repair	Certificate	4

native certified program

good program

OCC:
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4/9/2002

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Oakland Community College
IPED Graduation Data for Collision Auto Repair Programs
April 2002

IPEDs Graduation Data
Source: IPEDs Peer Analysis System - 2001 Survey Data
Collision Auto Repair Programs - CIP 47.0603.

certificates

UnitID	Institution Name	Auto/Automotive Body Repairer, Awards at least 1 but less than 2 academic years	Auto/Automotive Body Repairer, Associate degrees
171535	OAKLAND COMMUNITY COLLEGE	0	0
169275	MOTT COMMUNITY COLLEGE		3
170657	LANSING COMMUNITY COLLEGE		2
172617	WASHTENAW COMMUNITY COLLEGE	0	0