Detroit Water and Sewerage Department

Wastewater Master Plan

DWSD Project No. CS-1314

Planning Area

Technical Memorandum
Original Date: 8 August 02
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Evaluate Service Area

1. Planning Area

The planning area for the DWSD Wastewater Master Plan (WWMP) has been delineated based on a watershed approach. This approach facilitates the study of wastewater collection and treatment, on-site sewerage disposal, sanitary sewer overflow (SSO) control, combined sewer overflow (CSO) management, and collaboration with other wastewater treatment providers.

The watershed boundaries for the planning area include the existing contract service area and surrounding communities extending out to natural drainage boundaries. Figure 1 shows the major watershed boundaries in the Southeast Michigan 208 Water Quality Management planning area. The watershed boundaries for the 208 plans are based on delineations maintained by the Michigan Department of Natural Resources. Figure 1 also shows the existing contract service area in relation to the watershed boundaries. The existing service area lies within the watersheds of Lake St. Clair, the Clinton River, the Rouge River, and the Detroit River.

Discussions were held with DWSD, its wholesale customers, and SEMCOG to confirm the watershed approach to delineating the planning area. In these discussions, wholesale customers suggested that if any unit of local government was partially included in the natural drainage area, then the whole jurisdiction should be considered for analysis in the planning area. Therefore, the planning area shown in Figure 2 includes all of the natural watershed drainage area, plus an area to include complete municipal units. A total of 124 municipalities are within the watershed-based planning area. The communities are listed in Table 1.

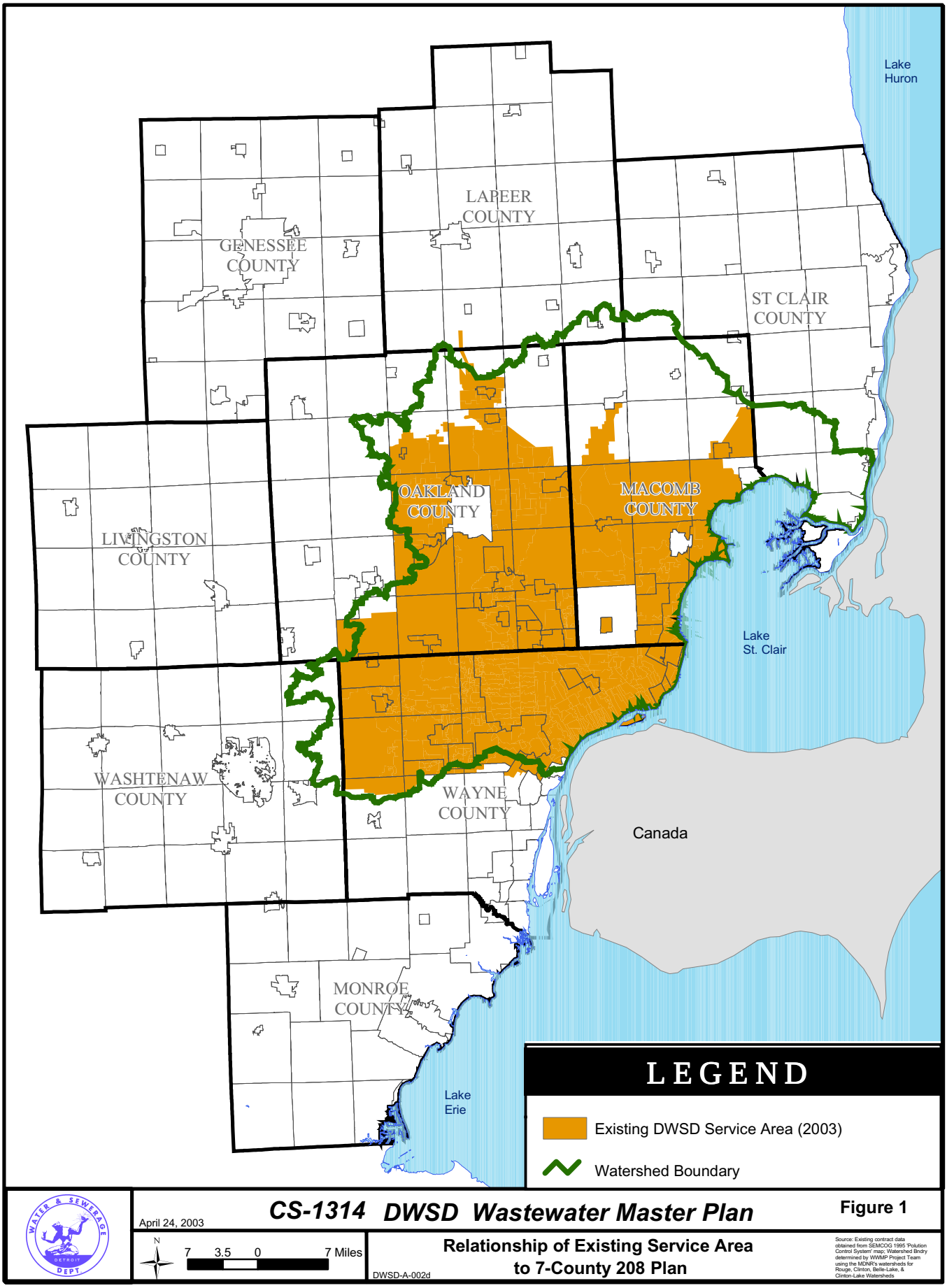

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Figure 1

N 7 3.5 0 7 Miles

Relationship of Existing Service Area to 7-County 208 Plan

DWSD-A-002d

Source: Existing contract data obtained from SEMCOG 1995 'Polution Control System' map; Watershed Bndry determined by WWMP Project Team using the MDNR's watersheds for Rouge, Clinton, Belle-Lake, & Clinton-Lake Watersheds

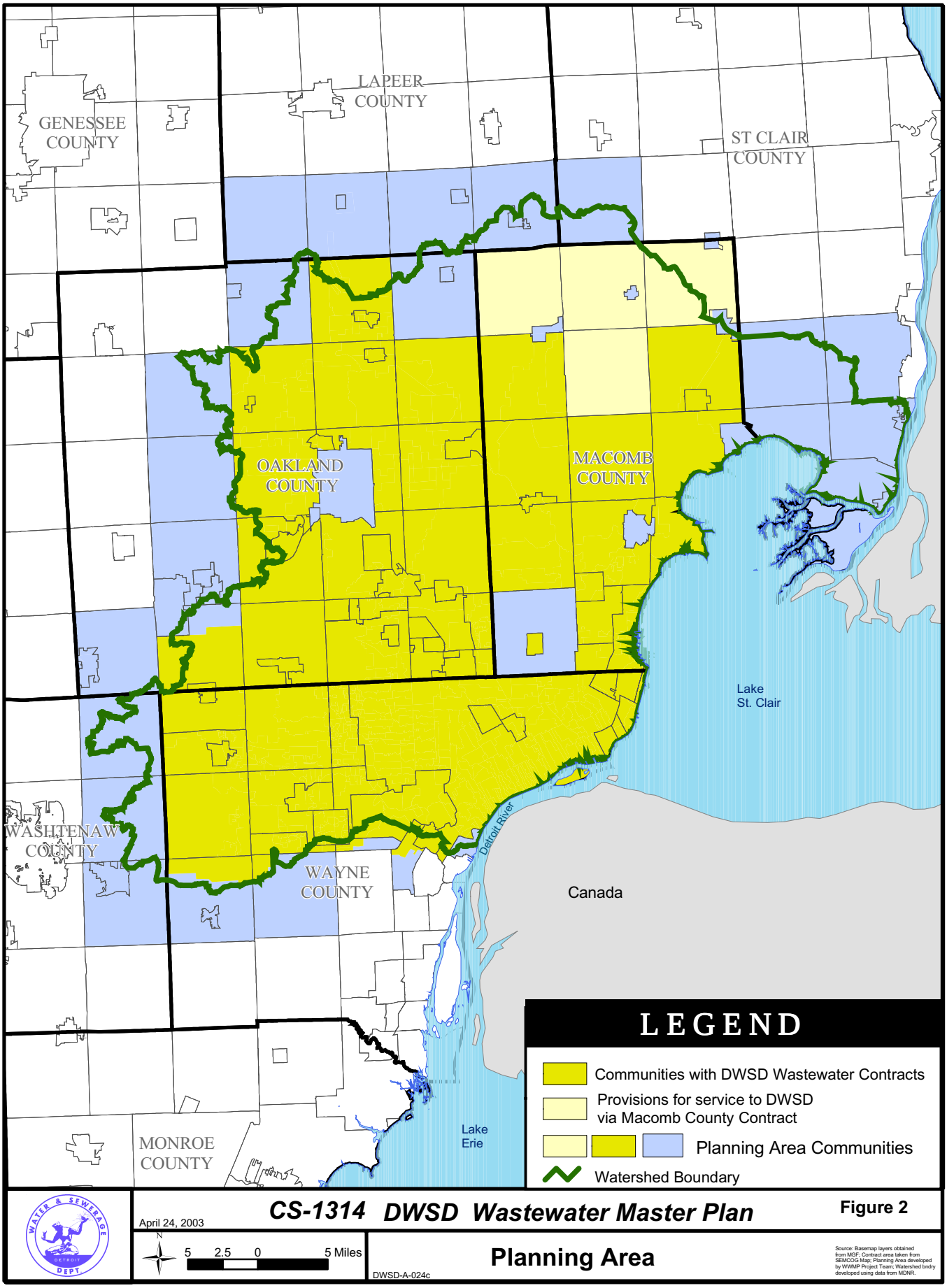

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Figure 2

N

5 2.5 0 5 Miles

Planning Area

DWSD-A-024c

Source: Basemap layers obtained from MGF; Contract area taken from SEMCOG Map; Planning Area developed by WWMP Project Team; Watershed bndry developed using data from MDNR.

Table 1. List of Municipalities within the Wastewater Master Planning Area

1	Addison Twp.	33	Dryden	65	*Macomb*	97	*Romulus*
2	Algonac	34	Dryden Twp.	66	*Madison Heights*	98	*Roseville*
3	*Allen Park*	35	*Eastpointe*	67	Marine City	99	*Royal Oak*
4	Almont Twp.	36	*Farmington*	68	*Melvindale*	100	*Royal Oak Twp.*
5	Almont Village	37	*Farmington Hills*	69	Memphis	101	Salem Twp.
6	Armada	38	*Ferndale*	70	Metamora	102	*Shelby Twp.*
7	Armada Twp.	39	*Franklin*	71	Metamora Twp.	103	South Lyon
8	*Auburn Hills*	40	*Fraser*	72	Mt. Clemens	104	*Southfield*
9	Belleville	41	*Garden City*	73	New Baltimore	105	Springfield Twp.
10	*Berkley*	42	*Grosse Pointe*	74	*New Haven*	106	*St. Clair Shores*
11	Berlin Twp.	43	*Grosse Pointe Farms*	75	*Northville*	107	*Sterling Heights*
12	*Beverly Hills*	44	*Grosse Pointe Park*	76	*Northville Twp.*	108	Superior Twp.
13	*Bingham Farms*	45	*Grosse Pointe Shores*	77	*Novi*	109	Sylvan Lake
14	*Birmingham*	46	*Grosse Pointe Woods*	78	*Oak Park*	110	*Troy*
15	*Bloomfield*	47	Hadley Twp.	79	*Oakland Charter Twp*	111	*Utica*
16	*Bloomfield Hills*	48	*Hamtramck*	80	*Orchard Lake Village*	112	*Van Buren*
17	Brandon Twp.	49	*Harper Woods*	81	*Orion Twp.*	113	Walled Lake
18	Bruce Twp.	50	*Harrison Twp.*	82	Ortonville	114	Warren
19	*Canton*	51	*Hazel Park*	83	*Oxford*	115	*Washington Twp.*
20	Casco Twp.	52	*Highland Park*	84	*Oxford Twp.*	116	*Waterford Twp.*
21	*Center Line*	53	*Huntington Woods*	85	*Pleasant Ridge*	117	*Wayne*
22	*Chesterfield*	54	*Independence*	86	*Plymouth*	118	*West Bloomfield*
23	China Twp.	55	*Inkster*	87	*Plymouth Twp.*	119	*Westland*
24	*Clarkston*	56	Ira Twp.	88	Pontiac	120	White Lake Twp.
25	*Clawson*	57	*Keego Harbor*	89	Ray Twp.	121	Wixom
26	Clay	58	Lake Angelus	90	*Redford*	122	Wolverine Lake
27	*Clinton Twp.*	59	*Lake Orion*	91	Richmond	123	Ypsilanti
28	Commerce Twp.	60	*Lathrup Village*	92	Richmond Twp.	124	Ypsilanti Twp.
29	Cottrellville Twp.	61	*Lenox*	93	River Rouge		
30	*Dearborn*	62	Leonard	94	*Rochester*		
31	*Dearborn Hts.*	63	*Livonia*	95	*Rochester Hills*		
32	***Detroit***	64	Lyon Twp.	96	Romeo		

Note: *Italicized communities have sewage disposal agreements with DWSD in 2003.*