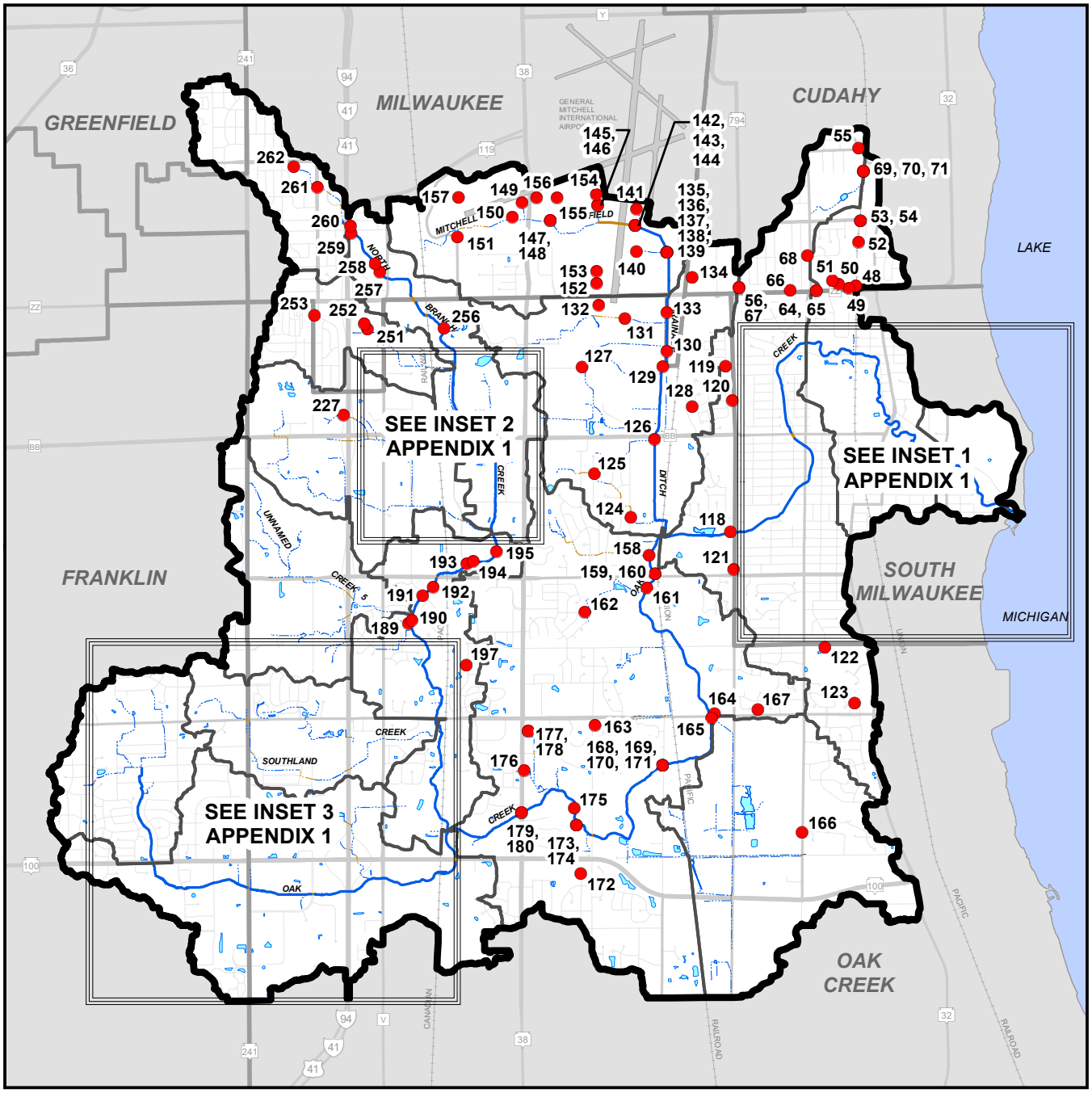
KNOWN OUTFALLS WITHIN THE OAK CREEK WATERSHED

APPENDIX O

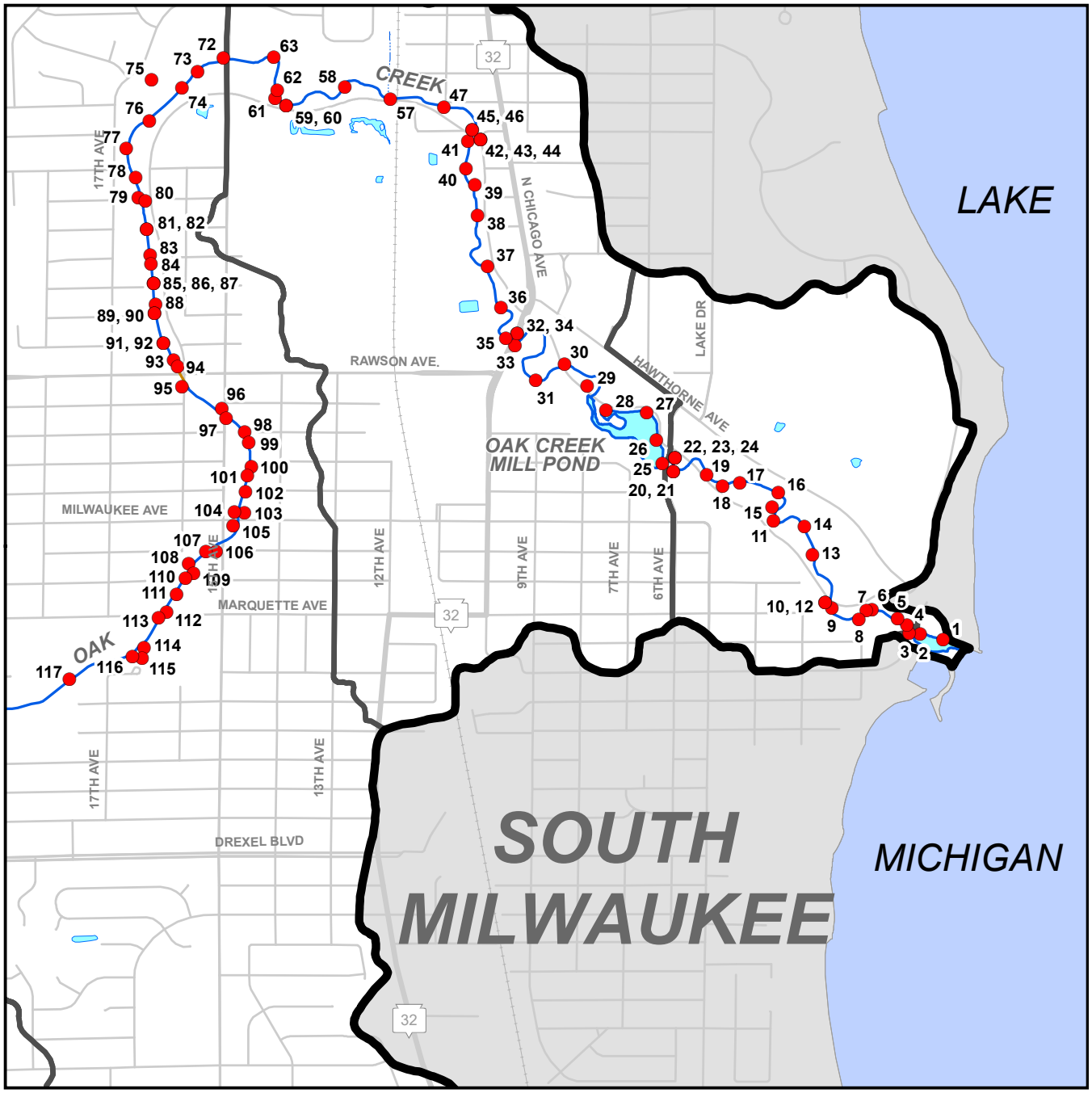
Map O.1
Locations of Known Outfalls Within the Oak Creek Watershed



●	KNOWN OUTFALLS
160	OUTFALL SEQUENCE ID (SEE APPENDIX O TABLE O.1)
	OAK CREEK WATERSHED BOUNDARY
	ASSESSMENT AREA BOUNDARIES (SEE MAP 3.2 FOR ASSESSMENT AREA NAMES)
	PERENNIAL STREAM
	PERENNIAL STREAM (ENCLOSED)
	INTERMITTENT STREAM
	INTERMITTENT STREAM (ENCLOSED)
	SURFACE WATER

Source: City of Cudahy, City of Franklin, City of Greenfield, City of Milwaukee, City of Oak Creek, City of South Milwaukee, Milwaukee County, City of Racine Health Department, and SEWRPC

Map O.1 (Inset 1)



KNOWN OUTFALLS

4 OUTFALL SEQUENCE ID (SEE APPENDDIX O TABLE O.1)

OAK CREEK WATERSHED BOUNDARY

ASSESSMENT AREA BOUNDARIES (SEE MAP 3.2 FOR ASSESSMENT AREA NAMES)

PERENNIAL STREAM

PERENNIAL STREAM (ENCLOSED)

INTERMITTENT STREAM

INTERMITTENT STREAM (ENCLOSED)

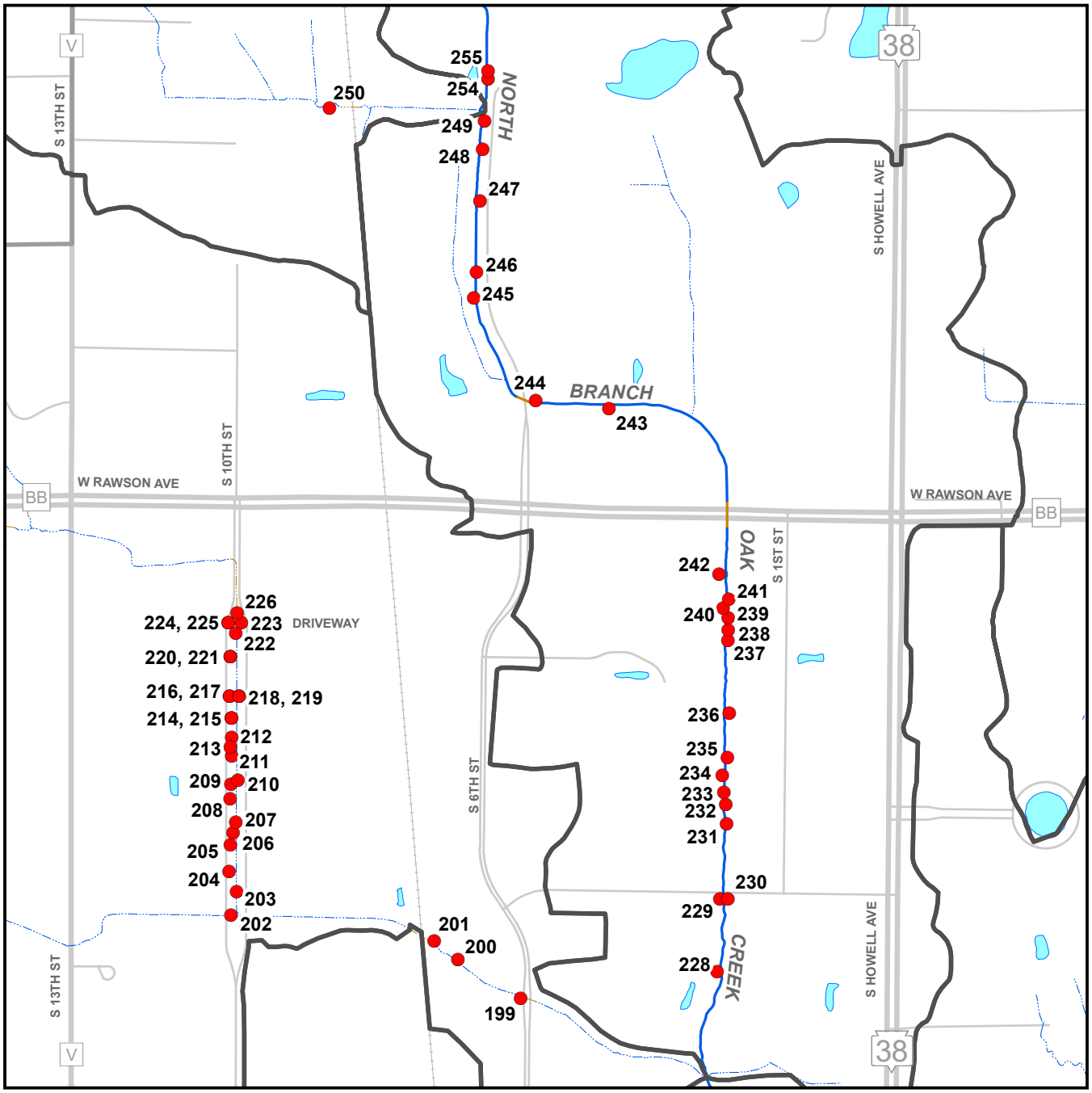
SURFACE WATER

N

0 250 500 1,000 Feet

Source: City of Cudahy, City of Franklin, City of Greenfield, City of Milwaukee, City of Oak Creek, City of South Milwaukee, Milwaukee County, City of Racine Health Department, and SEWRPC

Map O.1 (Inset 2)



KNOWN OUTFALLS

213 OUTFALL SEQUENCE ID (SEE APPENDDIX O TABLE O.1)

OAK CREEK WATERSHED BOUNDARY

ASSESSMENT AREA BOUNDARIES (SEE MAP 3.2 FOR ASSESSMENT AREA NAMES)

PERENNIAL STREAM

PERENNIAL STREAM (ENCLOSED)

INTERMITTENT STREAM

INTERMITTENT STREAM (ENCLOSED)

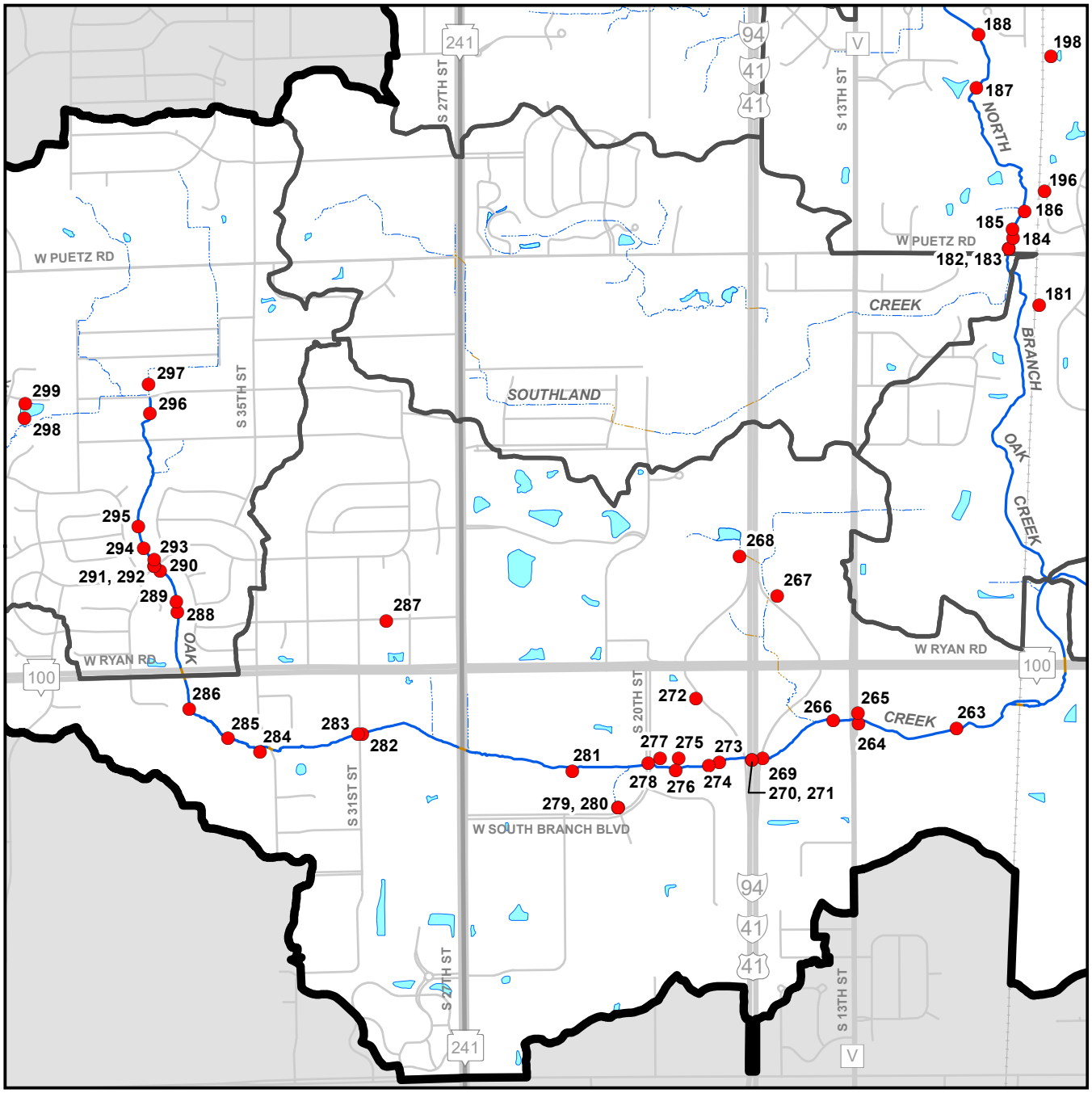
SURFACE WATER

N

0 250 500 1,000 Feet

Source: City of Cudahy, City of Franklin, City of Greenfield, City of Milwaukee, City of Oak Creek, City of South Milwaukee, Milwaukee County, City of Racine Health Department, and SEWRPC

Map O.1 (Inset 3)



KNOWN OUTFALLS

287 OUTFALL SEQUENCE ID (SEE APPENDDIX O TABLE O.1)

OAK CREEK WATERSHED BOUNDARY

ASSESSMENT AREA BOUNDARIES (SEE MAP 3.2 FOR ASSESSMENT AREA NAMES)

PERENNIAL STREAM

PERENNIAL STREAM (ENCLOSED)

INTERMITTENT STREAM

INTERMITTENT STREAM (ENCLOSED)

SURFACE WATER

N

0 500 1,000 Feet

Source: City of Cudahy, City of Franklin, City of Greenfield, City of Milwaukee, City of Oak Creek, City of South Milwaukee, Milwaukee County, City of Racine Health Department, and SEWRPC

Table O.1
Known Outfalls Within the Oak Creek Watershed

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
1	RHDOF37	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.90676	-87.84205	--	--	Corrugated metal pipe
2	MC27; RDFOF38	Milwaukee County	Oak Creek Mainstem	Grant Park Ravine	42.90693	-87.84300	--	12	North side of Creek; near manhole L6
3	RHDOF39	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.90697	-87.84346	--	--	Corrugated metal pipe
4	MC26; RHDOF40	Milwaukee County	Oak Creek Mainstem	Grant Park Ravine	42.90721	-87.84353	--	12	Oak Creek Parkway, north side of Creek; near manhole L4B
5	RHDOF41	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.90742	-87.84390	--	--	Outfall submerged; Concrete endsection
6	RHDOF42	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.90771	-87.84495	--	--	--
7	RHDOF43	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.90767	-87.84518	--	--	--
8	SM46	City of South Milwaukee	Oak Creek Mainstem	Grant Park Ravine	42.90741	-87.84550	--	10	Near manhole J13E
9	OSWO1; MC25	Milwaukee County	Oak Creek Mainstem	Grant Park Ravine	42.90779	-87.84659	Good	12	Right bank; Concrete pipe with riprap protection; near manhole J22A
10	OSWO2; SM45; RHDOF44	City of South Milwaukee	Oak Creek Mainstem	Grant Park Ravine	42.90788	-87.84675	Poor	18	Left bank; Concrete pipe built into WPA wall; near manhole J19
11	MC22; RHDHAW	Milwaukee County	Oak Creek Mainstem	Grant Park Ravine	42.91047	-87.84890	--	36	Near manhole M1A
12	OSWO3; MC24	Milwaukee County	Oak Creek Mainstem	Grant Park Ravine	42.90790	-87.84675	Good	12	Left bank; Concrete pipe built into WPA wall; Emergency sewage overflow pipe from wastewater pumping station up bank; near manhole J20A
13	MC23	Milwaukee County	Oak Creek Mainstem	Grant Park Ravine	42.90940	-87.84734	--	18	Near manhole M1A
14	OSWO4	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.91027	-87.84763	Failed	24	Right bank; Sections of pipe have disconnected due to eroding bank
15	OSWO5; MC21; RHDOF45	Milwaukee County	Oak Creek Mainstem	Grant Park Ravine	42.91088	-87.84894	Good	12/18	Left bank; One foot diameter PVC pipe set back from creek about 50 feet; 18 inch pipe closer to road; near manhole M2B
16	OSWO6; SM44; RHDOF48	City of South Milwaukee	Oak Creek Mainstem	Grant Park Ravine	42.91132	-87.84866	Fair	24	Right bank; Concrete pipe with riprap protection; near manhole P23
17	OSWO7; SM43	City of South Milwaukee	Oak Creek Mainstem	Grant Park Ravine	42.91163	-87.85024	Good	12	Left bank; Concrete pipe; near manhole M4A
18	OSWO8	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.91155	-87.85094	Good	--	Left bank; Concrete pipe was within wall that has since been rebuilt
19	OSWO9	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.91190	-87.85159	Good	12	Right bank; Was on top of wall that has since been rebuilt
20	SM41	City of South Milwaukee	Oak Creek Mainstem	Grant Park Ravine	42.91219	-87.85299	--	24	Near manhole KK244
21	OSWO10; SM42; RHDOF49	City of South Milwaukee	Oak Creek Mainstem	Grant Park Ravine	42.91210	-87.85287	Fair	120	Left bank; near manhole KK37; large concrete arch culvert, may have other outfalls draining inside of culvert
22	OSWO11; SM40: RHDOF50	City of South Milwaukee	Oak Creek Mainstem	Grant Park Ravine	42.91235	-87.85302	Fair	15	Right bank; concrete pipe built in WPA wall; near manhole P1
23	OSWO12	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.91226	-87.85309	Good	6	Left bank; Green PVC pipe
24	OSWO13	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.91235	-87.85306	Good	12	Right bank; corrugated metal pipe resting on top of wall
25	OSWO14	Unknown	Oak Creek Mainstem	Grant Park Ravine	42.91229	-87.85329	Fair	36/12	Left bank; two outfalls
26	MC20; RHDOF51	Milwaukee County	Oak Creek Millpond	Lower Oak Creek – Mill Pond	42.91299	-87.85362	--	12	PVC pipe; flows into south side of Mill Pond; near manhole P2B
27	MC19; RHDOF52	Milwaukee County	Oak Creek Millpond	Lower Oak Creek – Mill Pond	42.91382	-87.85398	--	12	Corrugated metal pipe; flows into south side of Mill Pond; near manhole P10B

Table continued on next page.

Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
28	MC18	Milwaukee County	Oak Creek Millpond	Lower Oak Creek – Mill Pond	42.91392	-87.85565	--	12	Flows into south side of Mill Pond; near manhole P10C
29	OSWO15; MC17; RHDOF104	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91467	-87.85641	Good	24	Left bank; concrete pipe with flared end section and riprap protection; Oak Creek Parkway
30	OSWO16; MC16; RHDOF103	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91535	-87.85731	Good	12	Right bank; PVC pipe with riprap protection; near manhole O3; Oak Creek Parkway
31	OSWO17; SM39	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91489	-87.85850	Good	18	Left bank; corrugated metal pipe built into rock gabion wall; near manhole O3; 10th Avenue on west side of Creek
32	SM37; RHDOF99	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91624	-87.85933	--	24	Under N. Chicago Avenue bridge; north side of Creek; near manhole T1
33	SM38; RHDOF100	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91605	-87.85947	--	18	Under N. Chicago Avenue bridge; south side of Creek; near manhole Z12
34	RHDOF101	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91621	-87.85941	--	--	Under N. Chicago Avenue bridge
35	SM36; RHDOF102	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91619	-87.85969	--	24	South side of Creek near Rawson Avenue
36	CAT1; RHDOF98	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91709	-87.85986	--	--	--
37	OSWO18; MC15; RHDOF97	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91837	-87.86036	Failed	18	Right bank; near manhole U2F; bank erosion causing at least six sections of concrete pipe to split
38	OSWO19; MC14; RHDOF96	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.91991	-87.86072	Failed	18	Right bank; four foot concrete end section has separated from pipe
39	OSWO20; MC13	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92083	-87.86079	Poor	18	Right bank; Concrete pipe with end section separated from pipe; near manhole U8B; bank erosion occurring around outfall
40	OSWO21; SM35; RHDOF95	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92133	-87.86116	Failed	27	Right bank; concrete pipe; end section with wingwalls and a pipe section has separated; bank eroding at pipe; near manhole U26A and Aspen Street
41	OSWO22	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92220	-87.86098	Fair	12	Left bank; concrete pipe
42	OSWO24; RHDOF91	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92237	-87.86076	Fair	12	Right bank; concrete pipe
43	OSWO23; RHDOF91B	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92237	-87.86075	Poor	12	Right bank; corrugated metal pipe rusted through; bank has eroded around pipe
44	OSWO25; SM34; RHDOF92	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92240	-87.86077	Poor	27	Right bank; concrete pipe with two sections separated; near manhole CC41
45	OSWO26; RHDOF93	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92249	-87.86070	Poor	18	Left bank; concrete sections of pipe are separated within wall
46	OSWO27; RHDOF94	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92251	-87.86070	Poor	12	Right bank; clay pipe is 50 percent plugged with debris
47	OSWO28;SM33; RHDOF89; RHDOF90	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92320	-87.86199	Fair	21	Right bank; near manhole J2E; corrugated metal pipe is rusted through, bent, and protruding about 5.5 feet from bank; MC12 is directly above outfall
48	CUD33	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.93043	-87.86358	--	30	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32

Table continued on next page.

Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
49	CUD32	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.93022	-87.86460	--	24	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32
50	CUD20	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.93069	-87.86601	--	48	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32
51	CUD21	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.93103	-87.86655	--	--	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32
52	CUD18	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.93497	-87.86305	--	--	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32
53	CUD25	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.93716	-87.86292	--	--	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32
54	CUD24	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.93717	-87.86272	--	--	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32
55	CUD27	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.94470	-87.86271	--	--	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32
56	CUD52	City of Cudahy	Offline	Lower Oak Creek – Mill Pond	42.93059	-87.88007	--	--	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM32
57	OTRIB1; SM32	City of South Milwaukee	Tributary to Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92349	-87.86417	--	102	Major outfall; Likely drains Cudahy storm sewers in addition to South Milwaukee; Near Southtowne Apartments; Underground sewer daylights for about 700 feet and flows into Oak Creek's mainstem from the north
58	OSWO29; MC11; RHDOF88	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92388	-87.86603	Poor	12	Left bank; Near manhole J14D; Corrugated metal pipe is rusted through
59	OSWO30; SD1; RHDOF87	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92336	-87.86843	Failed	12	Left bank; Near manhole J15B; Corrugated metal pipe is rusted through; Located just downstream of larger outfall
60	OSWO31; RHDOF86	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92337	-87.86847	Poor	27	Left bank; Corrugated metal pipe is rusted through and protruding from the bank about 12 feet due to erosion
61	OSWO31a; MC10	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92369	-87.86884	Failed	12	Left bank; Near manhole J15D; Corrugated metal pipe is rusted though
62	OSWO32	Unknown	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92384	-87.86881	Poor	24	Right bank; Corrugated metal pipe is protruding about 12 feet from bank; End section is nearly detached and is becoming embedded into bottom of stream channel
63	SM31; RHDOF85	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek – Mill Pond	42.92482	-87.86892	--	21	Right bank; Near manhole K3D
64	CUD36	City of Cudahy	Offline	Lower Oak Creek	42.92983	-87.86914	--	12	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM30

Table continued on next page.

Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
65	CUD34	City of Cudahy	Offline	Lower Oak Creek	42.93019	-87.86937	--	8	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM30
66	CUD35	City of Cudahy	Offline	Lower Oak Creek	42.93015	-87.87285	--	48	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM30
67	CUD52	City of Cudahy	Offline	Lower Oak Creek	42.93059	-87.88007	--	15	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM30
68	CUD19	City of Cudahy	Offline	Lower Oak Creek	42.93374	-87.87034	--	24	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM30
69	CUD28	City of Cudahy	Offline	Lower Oak Creek	42.94223	-87.86217	--	36	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM30
70	CUD10	City of Cudahy	Offline	Lower Oak Creek	42.94229	-87.86202	--	--	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM30
71	CUD11	City of Cudahy	Offline	Lower Oak Creek	42.94232	-87.86213	--	27	Likely connects to South Milwaukee's storm sewer system and eventually flows to Oak Creek's mainstem via outfall SM30
72	OSWO33; SM30; RHDOF69	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.92484	-87.87098	Good	54	Major outfall; right bank; concrete outfall; likely drains Cudahy storm sewers in addition to South Milwaukee near manhole LL17
73	OSWO34; MC9	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.92446	-87.87208	Fair	30	Left bank; near manhole J15J; corrugated metal pipe
74	OSWO35; SM29; RHDOF68	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.92398	-87.87273	Good	36	Right bank; concrete outfall; near manhole NN50E
75	SM28; RHDOF67	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.92424	-87.87397	--	30	Right bank, setback 300 feet off Creek channel
76	OSWO 36; MC8; RHDOF66	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.92302	-87.87411	Failed	12	Left bank; corrugated metal pipe is rusted through; near outfall OO6B
77	OSWO 37; SM27; RHDOF65	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.92219	-87.87508	Good	30	Right bank; concrete pipe; near manhole OO3
78	OSWO 38; MC7	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.92132	-87.87473	Fair	12	Left bank; corrugated metal pipe; near manhole OO1I; Beech Street
79	RHDOF64	Unknown	Oak Creek Mainstem	Lower Oak Creek	42.92070	-87.87464	--	--	Cement outfall is blocked
80	OSWO 39; SM26; RHDOF63	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.92062	-87.87445	Good	12	Left bank; corrugated metal pipe is protruding from bank into channel and end section is bent; near manhole UU2; Walnut Street
81	OSWO 40; MC6; RHDOF61	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.91974	-87.87432	Good	42	Right bank; concrete pipe; near manhole TT1C; Cherry Street
82	OSWO41;SM25; RHDOF62	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91970	-87.87428	Good	15	Left bank; corrugated metal pipe; near manhole TT1C; Cherry Street
83	OSWO42; SM24; RHDOF60	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91897	-87.87422	Fair	48	Major outfall; right bank; concrete pipe with flared end section; some undercutting occurring; flow has about two foot drop to channel; near manhole TT6; Pine Street

Table continued on next page.

Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
84	MC5	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.91870	-87.87417	--	12	Left bank; near manhole Q3D; Pine Street
85	OSWO43; MC4; RHDOF59	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.91809	-87.87410	Failed	12	Left bank; corrugated metal pipe is plugged with sediment and debris; near manhole Q1C; Chestnut Street
86	OSWO44; SM23; RHDOF58	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91800	-87.87409	Good	18	Left bank; corrugated metal pipe; near manhole Q1A; Chestnut Street
87	SM22; RHDOF57	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91794	-87.87418	--	12	Right bank; corrugated metal pipe; near manhole SS9E; Chestnut Street
88	OSWO45; MC3	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.91748	-87.87404	Fair	12	Left bank; corrugated metal pipe; near manhole Q1E; Cedar Street
89	OSWO46; SM21; RHDOF56	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91721	-87.87409	Poor	18	Right bank; concrete pipe has been undercut by erosion forming a 2.5 foot drop to channel bottom; near manhole SS6D; Cedar Street
90	OSWO47; SM20	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91714	-87.87403	Poor	12	Right bank; corrugated metal pipe has rusted through and is protruding about 3.5 feet from bank; near manhole SS6C; Cedar Street
91	OSWO48; SM19; RHDOF55	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91630	-87.87375	Failed	12	Right bank; corrugated metal pipe has rusted through and is protruding from bank by about 4.5 feet; end section is bent almost shut; near manhole R2D; Maple Street
92	OSWO49; MC2; RHDOF54	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.91623	-87.87365	Failed	15	Left bank; corrugated metal pipe is badly crushed and bent and is protruding from the bank by about eight feet; near manhole NN1-1; Maple Street
93	SM18; RHDOF53	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91579	-87.87336	--	12	Left bank; clay pipe with concrete apron; near manhole PP14E; Rawson Avenue
94	MC1	Milwaukee County	Oak Creek Mainstem	Lower Oak Creek	42.91557	-87.87321	--	--	Right bank; Rawson Avenue
95	SM17	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91496	-87.87304	--	27	Right bank; Rawson Avenue
96	OSWO50; SM16; RHDOF70	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91413	-87.87135	Good	15	Left bank; concrete pipe built into 15th Avenue bridge structure; about five feet above channel; near manhole JJ1
97	OSWO51	Unknown	Oak Creek Mainstem	Lower Oak Creek	42.91398	-87.87127	Fair	12	Right bank; built into 15th Avenue bridge structure; pipe may be separated inside wall
98	OSWO52; SM15; RHDOF71	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91354	-87.87051	Good	12	Left bank; corrugated metal pipe with a concrete block apron that carries flow down bank to channel; erosion is undercutting concrete apron; near manhole UU5-2; Manitoba Avenue
99	OSWO53	Unknown	Oak Creek Mainstem	Lower Oak Creek	42.91323	-87.87036	Failed	6	Left bank; metal pipe angle down from bank and is submerged into water; pipe has disconnected up-bank and percolates through bank
100	OSWO54; SM14; RHDOF72	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91249	-87.87027	Fair	12	Left bank; corrugated metal pipe; metered with a concrete block apron carries flow down bank to channel; near manhole RR1; Minnesota Avenue
101	OSWO55; SM13; RHDOF73	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91223	-87.87045	Good	18	Right bank; corrugated metal pipe with a concrete block apron that carries flow down bank to channel; near manhole SS3; Monroe Avenue

Table continued on next page.

Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
102	OSWO56; SM12; RHDOF75	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91175	-87.87055	Fair	12	Left bank; corrugated metal pipe metered with a concrete block apron that carries flow down bank to channel; bank is eroding underneath apron; near manhole QQ1; Monroe Avenue
103	SM11; RHDOF77	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91112	-87.87073	--	12	Left bank; near manhole KK227; Milwaukee Avenue
104	SM10; RHDOF76	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.91115	-87.87102	--	15	Right bank; corrugated metal pipe built into concrete side slope; near manhole SS2-1F
105	OSWO57	Unknown	Oak Creek Mainstem	Lower Oak Creek	42.91073	-87.87109	Fair	18	Right bank; corrugated metered metal pipe build into concrete side slope; bottom of pipe is rusted through slightly and collecting some sediment
106	OSWO58; SM9; RHDOF78	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90998	-87.87193	Good	21	Left bank; corrugated metered metal pipe build into concrete side slope near upstream terminus of concrete side slope; concrete side slope is experiencing undercutting at terminus; near manhole FF1-1; Michigan Avenue
107	OSWO59; SM8	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90996	-87.87223	Poor	18	Right bank; corrugated metal pipe metered with a concrete block apron that carries flow down bank to channel; pipe end is rusted through completely; some erosion undercutting end of apron; near manhole G4; Madison Avenue
108	OSWO60; SM7; OF79	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90955	-87.87289	Poor	18	Right bank; corrugated metal pipe metered with a concrete block apron that carries flow down bank to channel; pipe end is beginning to rust through; Concrete apron is cracked in middle and bank is eroding under upstream side; near manhole EE8; Michigan Avenue
109	OSWO61	Unknown	Oak Creek Mainstem	Lower Oak Creek	42.90935	-87.87291	Fair	12	Left bank; corrugated metal pipe metered with a concrete block apron that carries flow down bank to channel; set back about 20 feet from channel
110	OSWO62; SM6; RHDOF80	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90917	-87.87303	Fair	15	Left bank; corrugated metal pipe metered with a concrete block apron that carries flow down bank to channel; set back about 20 feet from channel; near manhole FF3-1H; Michigan Avenue
111	OSWO63	Unknown	Oak Creek Mainstem	Lower Oak Creek	42.90871	-87.87348	Fair	--	Left bank; outfall has a rubber flap that is closed on the end section; pump house directly up-bank from outfall; possibly an emergency sanitary sewer outfall
112	OSWO64; SM5; RHDOF82	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90818	-87.87390	Good	24	Left bank; corrugated metal pipe with a one foot diameter PVC pipe inside main pipe; protected by boulder riprap; near manhole CC35; Marquette Avenue
113	OSWO65; SM4; RHDOF81	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90801	-87.87424	Good	24	Right bank; corrugated metal pipe metered with a concrete block apron that carries flow down bank to channel; near manhole BB2; Marquette Avenue
114	OSWO66	Unknown	Oak Creek Mainstem	Lower Oak Creek	42.90714	-87.87487	Poor	12	Left bank; corrugated metal pipe with flared end section; pipe is protruding from bank about seven feet; roughly two foot drop from pipe end section to channel

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
115	OSWO67; SM3; RHDOF83	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90682	-87.87496	Good	108	Major outfall; left bank; concrete culvert with 75 foot long concrete channel leading to Oak Creek; near manhole WW158; City Hall
116	OSWO68; SM2	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90685	-87.87535	Good	18	Left bank; corrugated metal pipe with concrete block apron; near manhole WW270; Marshall Court
117	OSWO69; SM1; RHDOF84	City of South Milwaukee	Oak Creek Mainstem	Lower Oak Creek	42.90621	-87.87797	Good	18	Right bank; corrugated metal metered pipe with concrete block apron that carries flow to channel; near manhole W2; Marshall Avenue
118	OSWO70; 10-1-1	City of Oak Creek	Oak Creek Mainstem	Lower Oak Creek	42.90531	-87.88210	Fair	48	Major Outfall; right bank; concrete pipe with poured cement apron; channel has a four foot scour pool at outfall; drains subbasins O23-1 through O23-5, an area of about 95 acres; 7651 S. Pennsylvania Avenue
119	3-1-1	City of Oak Creek	Offline	Lower Oak Creek	42.92248	-87.88225	--	27	2307 E. Oak Street; drains subbasin L1-1, a total of about 25 acres
120	3-3-1	City of Oak Creek	Offline	Lower Oak Creek	42.91893	-87.88106	--	42	S. Pennsylvania Avenue and E. Chestnut Drive; drains subbasins L1-1, L1-2, L2-1, L2-2, and L2-3, a total area of about 81 acres
121	15-4-1	City of Oak Creek	Offline	Lower Oak Creek	42.90140	-87.88181	--	29 x 45	7887 S. Pennsylvania Avenue, drains subbasin OC499B, an area of about 17 acres
122	14-1-1	City of Oak Creek	Offline	Lower Oak Creek	42.89340	-87.86926	--	48	3331 E. Forest Hill Avenue, drains subbasins L3-1 through L3-12, an area of about 323 acres
123	14-5-1	City of Oak Creek	Offline	Lower Oak Creek	42.88728	-87.86528	--	58 x 91	3480 E. Puetz Road; drains subbasin L3-1, an area of about 129 acres
124	9-2-1	City of Oak Creek	Unnamed Tributary to Mitchell Field Drainage Ditch	Lower Mitchell Field Drainage Ditch	42.90707	-87.89613	--	54	S. Clement Avenue and E. Montana Avenue; drains subbasins M5-1 through M5-6, an area of about 134 acres
125	9-1-1	City of Oak Creek	Unnamed Tributary to Mitchell Field Drainage Ditch	Lower Mitchell Field Drainage Ditch	42.91169	-87.90108	--	42	S. Shepard Avenue and E. Monroe Avenue; drains subbasins M5-1 and M5-2, an area of about 55 acres
126	MFSWO1	Unknown	Mitchell Field Drainage Ditch	Lower Mitchell Field Drainage Ditch	42.91509	-87.89247	--	--	Outfall is mostly submerged under water with sediment accumulation
127	M4-1-1	City of Oak Creek	Unnamed Tributary to Mitchell Field Drainage Ditch	Lower Mitchell Field Drainage Ditch	42.92276	-87.90247	--	30	709 E. Oak Street; drains part of subbasin M4-1, an area of about 12 acres
128	3-2-1	City of Oak Creek	Offline	Lower Mitchell Field Drainage Ditch	42.91842	-87.88712	--	36	6915 S. Juniper Drive (rear); drains subbasin MF-15, an area of about 41 acres
129	MFDD1	Unknown	Mitchell Field Drainage Ditch	Lower Mitchell Field Drainage Ditch	42.92260	-87.89105	Fair	24	Left bank; corrugated metal pipe protrudes about five feet from the bank; erosion around pipe; sediment accumulation in pipe; likely drains Milwaukee County garden rental plots
130	MFSWO2	Unknown	Mitchell Field Drainage Ditch	Lower Mitchell Field Drainage Ditch	42.92419	-87.89047	Good	38	Right bank; corrugated metal pipe with flared end section terminates about 15 feet away from channel; potentially drainage associated with adjacent City of Milwaukee dump used for construction fill

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
131	--	Milwaukee County	Unnamed Tributary to Mitchell Field Drainage Ditch	Lower Mitchell Field Drainage Ditch	42.92767	-87.89621	--	--	No additional information available
132	--	Milwaukee County	Offline	Lower Mitchell Field Drainage Ditch	42.92911	-87.89988	--	--	No additional information available
133	MFSWO3	Unknown	Mitchell Field Drainage Ditch	Lower Mitchell Field Drainage Ditch	42.92822	-87.89028	Fair	36	Right bank; corrugated metal pipe outfalls about 15 feet away from channel
134	CUD16	City of Cudahy	Offline	Lower Mitchell Field Drainage Ditch	42.93173	-87.88662	--	--	No additional information available
135	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93429	-87.88992	--	--	Milwaukee Mitchell International Airport
136	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93430	-87.88991	--	--	Milwaukee Mitchell International Airport
137	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93433	-87.88990	--	--	Milwaukee Mitchell International Airport
138	--	Milwaukee County	Unnamed Tributary to Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93442	-87.89007	--	--	Milwaukee Mitchell International Airport
139	--	Milwaukee County	Unnamed Tributary to Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93443	-87.89008	--	--	Milwaukee Mitchell International Airport
140	--	Milwaukee County	Unnamed Tributary to Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93458	-87.89441	--	--	Milwaukee Mitchell International Airport
141	--	Milwaukee County	Unnamed Tributary to Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93897	-87.89423	--	--	Milwaukee Mitchell International Airport
142	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93718	-87.89452	--	--	Milwaukee Mitchell International Airport
143	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93724	-87.89451	--	--	Milwaukee Mitchell International Airport
144	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93730	-87.89448	--	--	Milwaukee Mitchell International Airport
145	--	Milwaukee County	Unnamed Tributary to Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93950	-87.89969	--	--	Milwaukee Mitchell International Airport
146	--	Milwaukee County	Unnamed Tributary to Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93951	-87.89967	--	--	Milwaukee Mitchell International Airport
147	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93794	-87.90618	--	--	Milwaukee Mitchell International Airport
148	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93800	-87.90638	--	--	Milwaukee Mitchell International Airport
149	--	Milwaukee County	Unnamed Tributary to Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93991	-87.91035	--	--	Milwaukee Mitchell International Airport
150	--	Milwaukee County	Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93849	-87.91176	--	--	Milwaukee Mitchell International Airport

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
151	RHDOF36	City of Milwaukee	Unnamed Tributary to Mitchell Field Drainage Ditch	Upper Mitchell Field Drainage Ditch	42.93658	-87.91950	--	54	Concrete pipe with flared end section
152	--	Milwaukee County	Offline	Upper Mitchell Field Drainage Ditch	42.93141	-87.90012	--	--	No additional information available
153	--	Milwaukee County	Offline	Upper Mitchell Field Drainage Ditch	42.93262	-87.90008	--	--	No additional information available
154	--	Milwaukee County	Offline	Upper Mitchell Field Drainage Ditch	42.94058	-87.89987	--	--	No additional information available
155	--	Milwaukee County	Offline	Upper Mitchell Field Drainage Ditch	42.94033	-87.90538	--	--	No additional information available
156	--	Milwaukee County	Offline	Upper Mitchell Field Drainage Ditch	42.94038	-87.90823	--	--	No additional information available
157	--	Milwaukee County	Offline	Upper Mitchell Field Drainage Ditch	42.94063	-87.91929	--	--	No additional information available
158	OTRIB4; 9-3-1	City of Oak Creek	Unnamed Tributary to Oak Creek	Middle Oak Creek	42.90311	-87.89364	--	42	S. Clement Avenue and E. Manitowoc Avenue; outfall is about 750 feet west of Oak Creek's mainstem and flows to Creek as a tributary; drains subbasin O21-1, an area of about 63 acres
159	OSWO71	Unknown	Oak Creek Mainstem	Middle Oak Creek	42.90117	-87.89290	Fair	24	Left bank; concrete pipe with flared end section
160	OSWO72; OC498B-1	City of Oak Creek	Oak Creek Mainstem	Middle Oak Creek	42.90109	-87.89325	Fair	36	1442 E. Drexel; right bank; concrete pipe with flared end section slightly splitting at seam; drains subbasin OC498B, an area of about 18 acres
161	16-1-1	City of Oak Creek	Unnamed Tributary to Oak Creek	Middle Oak Creek	42.89973	-87.89411	--	96	1321 E. Drexel Avenue; flows to SEWRPC's OTRIB3; drains subbasins O20-1 through O20-10, an area of about 342 acres
162	16-2-1	City of Oak Creek	Unnamed Tributary to Oak Creek	Middle Oak Creek	42.89736	-87.90292	--	34 x 54	640 E. Lakeview Drive; drains subbasin O20-11, an area of about 62 acres
163	21-4-1	City of Oak Creek	Unnamed Tributary to Oak Creek	Middle Oak Creek	42.88568	-87.90191	--	54	8734 S. Shepard Avenue; drains subbasins O19-1 through O19-10, O19-10A, and O19-11, an area of about 180 acres
164	15-5-1	City of Oak Creek	Oak Creek Mainstem	Middle Oak Creek	42.88656	-87.88503	--	60	E. Puetz Road and Oak Creek; located off channel; drains subbasins 18-1 through O18-5, an area of about 114 acres
165	OTRIB8	--	Oak Creek Drainage Ditches	Middle Oak Creek	42.88613	-87.88550	--	--	Confluence of Oak Creek Drainage Ditches with Oak Creek's Mainstem; just upstream of E. Puetz Road
166	23-5-1	City of Oak Creek	Unnamed Drainage Ditch	Middle Oak Creek Drainage Ditches	42.87403	-87.87314	--	29 x 45	S. 15th Avenue and E. Woodview Avenue; drains subbasin O17-3, an area of about 30 acres
167	15-6-1	City of Oak Creek	Offline	Middle Oak Creek	42.88685	-87.87894	--	48	2630 E Sharon Drive; drains subbasin O18-3, an area of about 50 acres
168	OSWO73	Unknown	Oak Creek Mainstem	Middle Oak Creek	42.88149	-87.89227	Good	12	Right bank; downstream side of Nicholson Road crossing; corrugated plastic pipe with metal flared end section; about 15 feet up embankment
169	OSWO74	Unknown	Oak Creek Mainstem	Middle Oak Creek	42.88140	-87.89227	Good	12	Left bank; downstream side of Nicholson Road crossing; corrugated plastic pipe with metal flared end section; about 15 feet up embankment

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
170	OSWO75	Unknown	Oak Creek Mainstem	Middle Oak Creek	42.88147	-87.89250	Good	12	Right bank; upstream side of Nicholson Road crossing; corrugated plastic pipe with metal flared end section; about 15 feet up embankment
171	OSWO76	Unknown	Oak Creek Mainstem	Middle Oak Creek	42.88135	-87.89252	Good	12	Left bank; upstream side of Nicholson Road crossing; corrugated plastic pipe with metal flared end section; about 15 feet up embankment
172	28-1-1	City of Oak Creek	Offline	Middle Oak Creek	42.87038	-87.90441	--	36	S. Veronica Street extended; drains subbasins O10-1, O10-2, and O10-3, an area of about 42 acres
173	OSWO77	Milwaukee County	Oak Creek Mainstem	Middle Oak Creek	42.87536	-87.90483	Fair	36	Left bank; corrugated metal pipe protruding about eight feet from the bank
174	OSWO78; 21-9-1	City of Oak Creek	Oak Creek Mainstem	Middle Oak Creek	42.87538	-87.90484	Good	36 x 48	9220 S. Howell Avenue (County Park); left bank; concrete culvert with flared end section and riprap channel running about 17 feet to Creek; drains subbasin OC-472, an area of about 26 acres
175	OSWO79	Unknown	Oak Creek Mainstem	Middle Oak Creek	42.87715	-87.90512	Good	12	Left bank; white PVC pipe located about eight feet off channel; erosion occurring around pipe
176	21-5-1	City of Oak Creek	Unnamed Tributary to Oak Creek	Middle Oak Creek	42.88115	-87.91199	--	42	9000 S. Howell Avenue; drains subbasins O8-11 and O8-12, an area of about 55 acres
177	21-1-1	City of Oak Creek	Unnamed Tributary to Oak Creek	Middle Oak Creek	42.88522	-87.91132	--	48 x 96	8770 S. Howell Avenue; drains subbasins O8-1 through O8-8, O8-9A, and O8-9B, an area of about 178 acres
178	21-2-1	City of Oak Creek	Unnamed Tributary to Oak Creek	Middle Oak Creek	42.88527	-87.91130	--	42	8770 S. Howell Avenue; drains subbasin O8-10, an area of about 30 acres
179	OSWO81	Unknown	Oak Creek Mainstem	Middle Oak Creek	42.87681	-87.91252	Fair	--	Right bank; underneath Howell Avenue bridge, between northbound and southbound lanes
180	OSWO80	Unknown	Oak Creek Mainstem	Middle Oak Creek	42.87668	-87.91252	Fair	72	Left bank; concrete pipe with trash rack; underneath Howell Avenue bridge
181	NBTRIB3; 20-1-1	City of Oak Creek	North Branch Oak Creek	Lower North Branch Oak Creek	42.88502	-87.92291	--	42	Right bank; drains subbasin NB-58, an area of about 19 acres; outfall is about 175 feet off of North Branch Oak Creek; Flows into tributary channel to the North Branch
182	NBSWO1	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.88705	-87.92429	Good	12	Left Bank; corrugated plastic pipe; About 5.5 feet up bank; on City of Oak Creek Streets Division property
183	NBSWO2	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.88714	-87.92430	Good	30	Left bank: concrete pipe; about 18 feet up bank; on City of Oak Creek Streets Division property
184	NBSWO3	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.88741	-87.92409	Good	30	Right bank; concrete pipe with flared end section about 10 feet up bank; on City of Oak Creek Streets Division property
185	NBSWO4	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.88773	-87.92409	Failed	15	Left bank; concrete pipe protruding about 7 feet from bank due to bank erosion
186	NBSWO5	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.88836	-87.92349	Good	18	Right bank; concrete pipe with flared end section; setback about five feet from bank; about 1.5 foot drop from outfall to channel
187	NBSWO6	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.89278	-87.92567	Good	24	Left bank; outlet for stormwater pond about 100 feet up bank; outfall is about 26 feet off channel; riprap protection
188	NBSWO7	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.89468	-87.92549	Poor	24	Right bank; corrugated plastic pipe protruding from bank

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
189	NBSWO8	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.89667	-87.92781	Fair	24	Left bank; concrete pipe about 21 feet removed from channel
190	NBSWO9	Unknown	North Branch Oak Creek	Lower North Branch Oak Creek	42.89700	-87.92730	Good	24	Right bank; concrete pipe with flared end section; located about 56 feet up bank from channel; riprap protection and cattail channel down to North Branch Oak Creek
191	17-1-1	City of Oak Creek	North Branch Oak Creek	Lower North Branch Oak Creek	42.89951	-87.92567	--	42	7975 S. Wildwood Drive; drains subbasin NB-43, an area of about 60 acres
192	NBSWO10, 17-2-0	City of Oak Creek	North Branch Oak Creek	Lower North Branch Oak Creek	42.90035	-87.92417	Poor	36	Right bank; 8020 S. Wildwood Drive; concrete pipe; end section is splitting at seams; There is a blowout up bank from end section that has created a four foot deep hole that is covered by grass and hard to see; drains subbasins N6-1 and N6-2, an area of about 49 acres
193	NBSWO11, 18-10-1	City of Oak Creek	North Branch Oak Creek	Lower North Branch Oak Creek	42.90271	-87.91936	Poor	21	7815 S. 6th Street; drains subbasin NB-38, an area of about nine acres; left bank; Ccorrugated metal pipe that is rusted through and protruding from bank
194	8-11-1	City of Oak Creek	North Branch Oak Creek	Lower North Branch Oak Creek	42.90298	-87.91840	--	21	7800 S. 6th Street; drains subbasin NB-36, an area of about four acres
195	8-12-1	City of Oak Creek	North Branch Oak Creek	Lower North Branch Oak Creek	42.90390	-87.91514	--	24	7625 S. Howell Avenue; drains subbasin NB-35, an area of about three acres
196	17-10-1	City of Oak Creek	Offline	Lower North Branch Oak Creek	42.88906	-87.92251	--	36	406 W. Peutz Road; drains part of N9-3
197	N9-4-1	City of Oak Creek	Offline	Lower North Branch Oak Creek	42.89226	-87.91981	--	30	Drains part of subbasin N9-3
198	17-8-1	City of Oak Creek	Offline	Lower North Branch Oak Creek	42.89384	-87.92201	--	42	535 W. Forest Hill Avenue (rear); drains subbasin N9-1, an area of about 20 acres
199	N5-14-1	City of Oak Creek	Rawson Avenue Tributary	Rawson Avenue Tributary	42.90722	-87.92014	--	24	Drains subbasin N5-14, an area of about four acres
200	RHDOF28	Unknown	Rawson Avenue Tributary	Rawson Avenue Tributary	42.90795	-87.92163	--	--	Concrete pipe with poured concrete apron side slope
201	8-5-1	City of Oak Creek	Rawson Avenue Tributary	Rawson Avenue Tributary	42.90828	-87.92219	--	66	Drains subbasins N5-10 and N5-12, an area of about 80 acres
202	8-6-1; RHDOF1	City of Oak Creek	Rawson Avenue Tributary	Rawson Avenue Tributary	42.90883	-87.92708	--	36	7481 S. 10th Street; concrete box culvert exiting concrete wall; drains subbasin N5-8, an area of about 24 acres
203	RHDOF3	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.90924	-87.92693	--	--	concrete pipe exiting at concrete lined channel side slopes
204	RHDOF4	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.90961	-87.92710	--	--	Concrete pipe with poured concrete apron
205	RHDOF14	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91007	-87.92704	--	--	Concrete pipe with poured concrete apron
206	RHDOF7	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91033	-87.92696	--	--	Concrete pipe with poured concrete apron
207	RHDOF8	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91041	-87.92694	--	--	Concrete pipe with poured concrete apron
208	RHDOF10	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91089	-87.92703	--	--	Concrete pipe with poured concrete apron

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
209	RHDOF12	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91115	-87.92700	--	--	Concrete pipe with poured concrete apron
210	RHDOF13	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91122	-87.92682	--	--	Concrete pipe with poured concrete apron
211	RHDOF15	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91166	-87.92696	--	12	Concrete pipe with poured concrete apron
212	RHDOF16B	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91199	-87.92695	--	--	Concrete pipe with poured concrete apron
213	RHDOF16	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91182	-87.92699	--	--	Concrete pipe with poured concrete apron
214	RHDOF18	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91230	-87.92694	--	--	Concrete pipe with poured concrete apron
215	RHDOF17	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91233	-87.92695	--	--	Concrete pipe with poured concrete apron
216	RHDOF19	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91270	-87.92692	--	--	Concrete ellipse pipe with poured concrete apron
217	RHDOF20	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91274	-87.92693	--	--	Concrete pipe with poured concrete apron
218	8-13-1; RHDOF21	City of Oak Creek	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91270	-87.92688	--	36	Concrete pipe exiting at concrete lined channel side slopes; entered as same ID as below with 2 different dimensions
219	8-13-1; RHDOF24	City of Oak Creek	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91275	-87.92685	--	48	Concrete pipe with flared end section and poured concrete apron; entered as same ID as above with 2 different dimensions
220	N4-21-1; RHDOF22	City of Oak Creek	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91342	-87.92694	--	24	Concrete pipe with poured concrete apron; Drains part of subbasin N4-21
221	RHDOF23	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91342	-87.92694	--	--	Concrete pipe with poured concrete apron
222	RHDOF24B	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91382	-87.92680	--	--	Silt and scum present at time of Racine Health Department visits
223	RHDOF27	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91403	-87.92677	--	--	Metered concrete pipe exiting from concrete side slope
224	RHDOF25	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91407	-87.92689	--	--	Concrete pipe exiting from concrete side slope
225	RHDOF26	Unknown	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91408	-87.92689	--	--	Concrete pipe exiting from concrete side slope; End of pipe is chipped exposing metal rebar
226	8-1-1	City of Oak Creek	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91410	-87.92676	--	144 x 60	Culvert carrying Tributary to Rawson Avenue Tributary in under S. 10th Street; drains subbasins N4-1 through N4-20, an area of about 338 acres
227	6-4-1	City of Oak Creek	Tributary to Rawson Avenue Tributary	Rawson Avenue Tributary	42.91844	-87.93617	--	54	Near southbound off-ramp I-94 and Rawson; drains subbasins N4-1 through N4-4
228	NBSWO12	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.90761	-87.91537	Poor	18	Left bank; corrugated metal pipe about 17 feet removed from channel; outlet crushed
229	NBSWO13; 8-7-1	City of Oak Creek	North Branch Oak Creek	Upper North Branch Oak Creek	42.90890	-87.91521	Good	36	Left bank; newly replaced concrete pipe with flared end section; 303 W. Marquette Avenue; drains subbasin NB-31 (west), an area of about eight acres; municipality reports pipe as 24 inches but may be dimensions before replacement; riprap protection

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
230	NBSWO14; 8-8-1	City of Oak Creek	North Branch Oak Creek	Upper North Branch Oak Creek	42.90890	-87.91512	Good	36	Right bank; newly replaced concrete pipe with flared end section; 181 W. Marquette Avenue; drains subbasin NB-31 (east), an area of about 13 acres; municipality reports pipe as 30 inches but may be dimensions before replacement; riprap protection
231	NBSWO15	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91022	-87.91507	Fair	15	Right bank; concrete metered pipe; about seven feet up bank from channel
232	NBSWO16	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91057	-87.91507	Poor	12	Right bank; corrugated metal pipe with some sediment inside
233	NBSWO17	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91078	-87.91511	Failed	--	Left bank; corrugated metal pipe that is crushed; pipe is about eight feet up bank; possibly abandoned
234	NBSWO18	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91109	-87.91514	Failed	--	Left bank; corrugated metal pipe is buried in soil and grass
235	NBSWD4	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91141	-87.91501	Failed	--	Plastic pipe
236	NBSWO19	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91219	-87.91493	--	12	Right bank; corrugated plastic pipe about 34 feet up bank
237	NBSWD5; 8-4-1	City of Oak Creek	North Branch Oak Creek	Upper North Branch Oak Creek	42.91347	-87.91492	Fair	30 x 42	Right bank; 7195 S. 1st Street (rear); corrugated metal pipe; drains subbasin NB-29, an area of about 23 acres
238	NBSWD6	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91367	-87.91490	Failed	--	Right bank; corrugated plastic pipe; top has been mowed over and destroyed
239	NBSWD7	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91388	-87.91489	Failed	--	Right bank, plastic pipe; top has been mowed over and damaged
240	NBSWO20	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91405	-87.91502	Fair	24 x 30; 27	Left bank; two outfalls; outfall closest to channel is a corrugated metal pipe with blacktop on top; second outfall is a PVC pipe with a concrete apron
241	NBSWD8	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91422	-87.91488	Failed	--	Right bank, plastic pipe; top has been mowed over and damaged
242	NBSWO21	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91465	-87.91510	Failed	--	Left bank; pipe is covered by dirt and grass located about 12 feet up bank; water present doesn't seem to have path to Creek
243	NBSWO22	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91764	-87.91765	Poor	--	Left bank; corrugated metal pipe is rusted through; located about 15 feet up bank; flow causing rill erosion to stream
244	NBSWO23; 5-6-1	City of Oak Creek	North Branch Oak Creek	Upper North Branch Oak Creek	42.91782	-87.91941	Good	21	Right bank; 7001 S. 6th Street; concrete pipe with flared end section flows onto concrete lined bank; drains subbasin NB-25, an area of about five acres
245	NBSWD11	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.91967	-87.92084	Good	30	Left bank; corrugated metal pipe
246	NB-21-1	City of Oak Creek	North Branch Oak Creek	Upper North Branch Oak Creek	42.92013	-87.92077	--	30	6845 S. 6th Street; drains subbasin NB-21, an area of about nine acres
247	NBSWO24, NB-20-1; RHDOF106	City of Oak Creek	North Branch Oak Creek	Upper North Branch Oak Creek	42.92139	-87.92064	Fair	30	Right bank; 8745 S. 6th Street; concrete pipe with flared end section; drains subbasin NB-20, an area of about nine acres

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
248	NBSWD12	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.92230	-87.92055	Poor	12	Left bank; corrugated metal pipe
249	NBSWO25; NB-19-1; RHDOF107	City of Oak Creek	North Branch Oak Creek	Upper North Branch Oak Creek	42.92280	-87.92049	Fair	24	Right bank; 8701 S. 6th Street; concrete pipe with flared end section; riprap piled at outlet; drains subbasin NB-19, an area of about five acres;
250	N2-7-1	City of Oak Creek	College Avenue Tributary	College Avenue Tributary	42.92310	-87.92421	--	36	1010 W. Anderson Court (rear); drains subbasin N2-7, an area of about 33 acres
251	RHDOF29	Unknown	College Avenue Tributary	College Avenue Tributary	42.92725	-87.93256	--	--	Small outfall; overgrown with weeds; sign reading "Storm Outlet 3"
252	RHDOF30	Unknown	College Avenue Tributary	College Avenue Tributary	42.92778	-87.93294	--	--	Sign reading "Storm Outlet 4"
253	6-1-3	City of Oak Creek	Offline	Upper North Branch Oak Creek	42.92881	-87.93993	--	48	8425 S. 20th Street; drains subbasins N2-2, N2-3, and N2-4, an area of about 86 acres
254	NBSWO26	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.92355	-87.92037	Fair	18	Right bank; corrugated metal pipe with flared end section; about 15 feet off channel; Located on MATC campus property near salt storage facility
255	NBSWO27	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.92369	-87.92036	Good	24	Right bank; corrugated plastic pipe with flared end section; located on MATC campus property near salt storage facility
256	NBSWO28	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.92711	-87.92180	Protruding	12	Right bank; corrugated metal pipe; protruding from bank about five feet and overhanging channel about four feet
257	RHDOF32	City of Milwaukee	North Branch Oak Creek	Upper North Branch Oak Creek	42.93309	-87.93062	--	15	PVC pipe
258	RHDOF31	City of Milwaukee	North Branch Oak Creek	Upper North Branch Oak Creek	42.93400	-87.93129	--	21	Corrugated metal pipe
259	I94 SW Outfall; RHDOF34	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.93722	-87.93454	--	24	Concrete pipe with flared end section
260	RHDOF33	Unknown	North Branch Oak Creek	Upper North Branch Oak Creek	42.93795	-87.93456	--	--	Concrete pipe with flared end section
261	RHDOF35	City of Milwaukee	North Branch Oak Creek	Upper North Branch Oak Creek	42.94205	-87.93906	--	--	Concrete pipe; submerged; black color appears to converge under bridge and discharge from outfall
262	US-most Outfall	City of Milwaukee	North Branch Oak Creek	Upper North Branch Oak Creek	42.94426	-87.94238	Poor	120 x 72	This is the point at which North Branch Oak Creek daylights; upstream of this outfall the Creek is underground; large concrete box culvert with wing walls and trash rack; large crack in apron of end section
263	OSWD3	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.87007	-87.92740	--	--	Riprap lined stormwater pond outlet; Outlet channel runs about 500 feet from stormwater pond located on south side of Ryan Road to Oak Creek's main channel
264	OSWO82	Milwaukee County	Oak Creek Mainstem	Upper Oak Creek	42.87040	-87.93212	Good	48	Left bank; concrete pipe with flared end section; located up embankment
265	OSWO83	Milwaukee County	Oak Creek Mainstem	Upper Oak Creek	42.87051	-87.93215	Good	48	Right bank; concrete pipe with flared end section; about 1.5 foot drop from apron to channel
266	OSWO84	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.87046	-87.93334	--	24	Concrete pipe with flared end section and trash rack

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Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
267	19-3-3	City of Oak Creek	Unnamed Tributary to Oak Creek Mainstem-Ryan Road Interchange	Upper Oak Creek	42.87494	-87.93589	--	42	9401 S. 13th Street (rear); drains subbasin O5-8, and area of about 24 acres
268	19-2-1	City of Oak Creek	Unnamed Tributary to Oak Creek Mainstem-Ryan Road Interchange	Upper Oak Creek	42.87637	-87.93766	--	36	9206 S. 22nd Street; drains subbasins O5-1, O5-2, and part of O3-1
269	OSWO85	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.86916	-87.93678	--	--	Left bank; partially buried; located under Ryan Road off ramp from IH 94
270	OSWO87	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.86924	-87.93725	Fair	24	Right bank; under IH 94; concrete pipe with flared end section; plugged with about two feet of sediment
271	OSWO86	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.86910	-87.93727	Failed	24	Left bank; under IH 94; concrete pipe with flared end section; end section has detached from pipe
272	30-2-1	City of Oak Creek	Unnamed Tributary to Oak Creek Mainstem-Ryan Road Interchange	Upper Oak Creek	42.87135	-87.93993	--	48	Located near southbound on-ramp to IH 94 at Ryan Road; drains subbasins O3-2; O3-3; O3-1
273	OSWO88	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.86909	-87.93888	Fair	18	Left bank; concrete pipe
274	OSWO89	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.86897	-87.93938	Fair	12	Left bank; concrete pipe; buried at stream grade
275	OSWD4	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.86926	-87.94082	Poor	18	Right bank; corrugated plastic pipe; drains truck stop parking lot up-bank
276	OSWO90; 30-9-1	City of Oak Creek	Oak Creek Mainstem	Upper Oak Creek	42.86884	-87.94100	Good	42	Left bank; corrugated metal pipe with cement apron and trash rack; 75 percent submerged; drains subbasin O4-2, an area of about 30 acres
277	OSWD5	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.86928	-87.94173	Poor	18 (x2)	Right bank; two pipes, one corrugated metal and one corrugated plastic; drains truck stop up-bank
278	30-4-1	City of Oak Creek	Oak Creek Mainstem	Upper Oak Creek	42.86911	-87.94230	--	30	9680 S. 20th Street; drains subbasin OC-451, and area of about 16 acres
279	30-7-1	City of Oak Creek	Unnamed Tributary to Oak Creek Mainstem-U/S of S. 20th Street	Upper Oak Creek	42.86755	-87.94383	--	36	9775 S. 20th Street; drains part of O2-2, an area of about 10 acres
280	30-8-1	City of Oak Creek	Unnamed Tributary to Oak Creek Mainstem-U/S of S. 20th Street	Upper Oak Creek	42.86755	-87.94382	--	48 x 76	9775 S. 20th Street; drains O2-1 and part of O2-2, and area of about 89 acres
281	OSWO91; 30-6-1	City of Oak Creek	Oak Creek Mainstem	Upper Oak Creek	42.86889	-87.94599	Good	72	Major outfall; left bank; 2300 W. Southbranch Boulevard; concrete pipe with flared end section and trash rack; outlet has about two feet of sediment accumulation; drains subbasins OC-447, OC-448, and an additional 91 acres from Franklin for a total of about 165 acres
282	OSWO92	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.87038	-87.95605	Fair	30	Left bank; corrugated metal pipe at S. 31st Street
283	OSWO93	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.87039	-87.95627	Fair	24	Both banks; corrugated metal pipes on both embankments; drains neighborhood road ditch
284	OSWO94	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.86986	-87.96102	Good	18	Left bank; concrete pipe set back about 30 feet from channel in residential backyard

Table continued on next page.

Table O.1 (Continued)

Sequence Number[a]	Outfall Identifications[b]	Ownership	Water Body	Assessment Area	Longitude	Latitude	Condition	Dimensions (inches)	Notes
285	OSWO95	Unknown	Oak Creek Mainstem	Upper Oak Creek	42.87036	-87.96254	Failed	24	Left bank; corrugated metal pipe; submerged and buried in sediment
286	OSWO96	City of Franklin	Oak Creek Mainstem	Upper Oak Creek	42.87144	-87.96437	Good	29 x45	Left bank; concrete pipe with flared end section; gravel, sand and cobble inside pipe; located about seven feet off channel with erosion
287	24-03	City of Franklin	Offline	Upper Oak Creek	42.87437	-87.95476	--	48	Offline; located on W. Central Avenue near S. 29th Street
288	Oswo97	City of Franklin	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.87488	-87.96484	Good	27	Left bank; concrete metered pipe with flared end section; while pipe is 27 inches, apron measures 42x48; Outfall is located 35 feet from Creek; flow has formed channel to Creek
289	Oswo98	Unknown	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.87526	-87.96487	Good	30	Right bank; concrete metered pipe with flared end section and trash rack
290	24-04	City of Franklin	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.87635	-87.96564	--	42	--
291	RHD Southwood OF West	Unknown	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.87653	-87.96590	--	--	--
292	RHD Southwood OF East	Unknown	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.87653	-87.96590	--	--	--
293	24-01	City of Franklin	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.87676	-87.96590	--	36	--
294	Oswo99	Unknown	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.87717	-87.96639	Fair	24	Left bank; concrete pipe located about 10 feet up bank; pipe is covered with yard waste
295	Oswo100; RHDOF105	City of Franklin	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.87795	-87.96661	Fair	48	Left bank; concrete metered pipe with flared end section
296	Oswo101	Unknown	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.88196	-87.96593	Fair	--	Right bank; no outfall but large manhole at edge of channel
297	Oswo102	Unknown	Oak Creek Mainstem	Upper Oak Creek Headwaters	42.88299	-87.96596	Fair	--	Right bank; no outfall but manhole at edge of channel
298	23-02	City of Franklin	Stormwater Pond Draining To Tributary to Oak Creek Headwaters	Upper Oak Creek Headwaters	42.88188	-87.97200	--	36	Drains stormwater pond
299	23-01	City of Franklin	Stormwater Pond Draining To Tributary to Oak Creek Headwaters	Upper Oak Creek Headwaters	42.88241	-87.97192	--	30	Drains stormwater pond

Note: Right and left bank are determined while oriented upstream.

Outfall condition was only assessed at outfall sites surveyed by Commission staff. Conditions of these outfalls were based on best professional judgement and were assigned condition assessments of Good, Fair, Poor, and Failed. "Good" condition outfalls were relatively new structures that displayed no damage and were assumed to function as designed. "Fair" condition outfalls may have some slight cosmetic damage, but were still assumed to function at, or very near, designed functionality. "Poor" condition outfalls had moderate to severe structural damage or were experiencing bank erosion near the outfall that may affect the designed functionality of the outfall. "Failed" outfalls had severe structural damage to the structure itself, or to supporting bank and/or channel structure, which does not allow the outfall to function as designed.

[a] *Refers to a sequential number assigned in a downstream to upstream fashion in sequential order of input into the mainstem of Oak Creek.*

[b] *Outfall identifications originate from SEWRPC's instream surveys conducted from June 2016 through November 2016 and June 2017 through September 2017; Community reporting for MS4 stromwater permits; and the City of Racine Health Department's assessment of the impacts of storm water outfalls in the Oak Creek watershed in 2016.*

Source: Milwaukee County, City of Cudahy, City of Franklin, City of Greenfield, City of Milwaukee, City of Oak Creek, City of South Milwaukee, the City of Racine Health Department, and SEWRPC

Figure O.1
Known Outfalls Within the Oak Creek Watershed

Figure O.1 (Continued)

Figure O.1 (Continued)

Figure O.1 (Continued)

Figure O.1 (Continued)

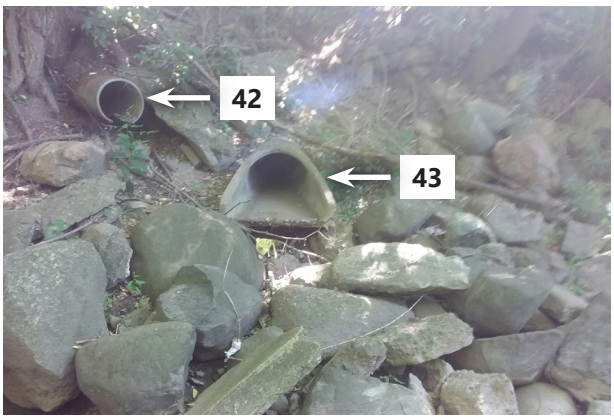

Figure O.1 (Continued)

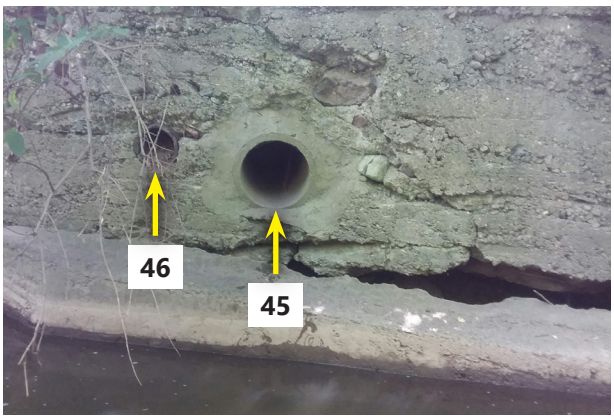

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Figure O.1 (Continued)

Figure O.1 (Continued)

Figure O.1 (Continued)

Note: Identification numbers appearing on photos correspond to sequence numbers in Table O.1 and Map O.1. Photos are not available for all outfalls.

Source: City of Racine Public Health Department and SEWRPC