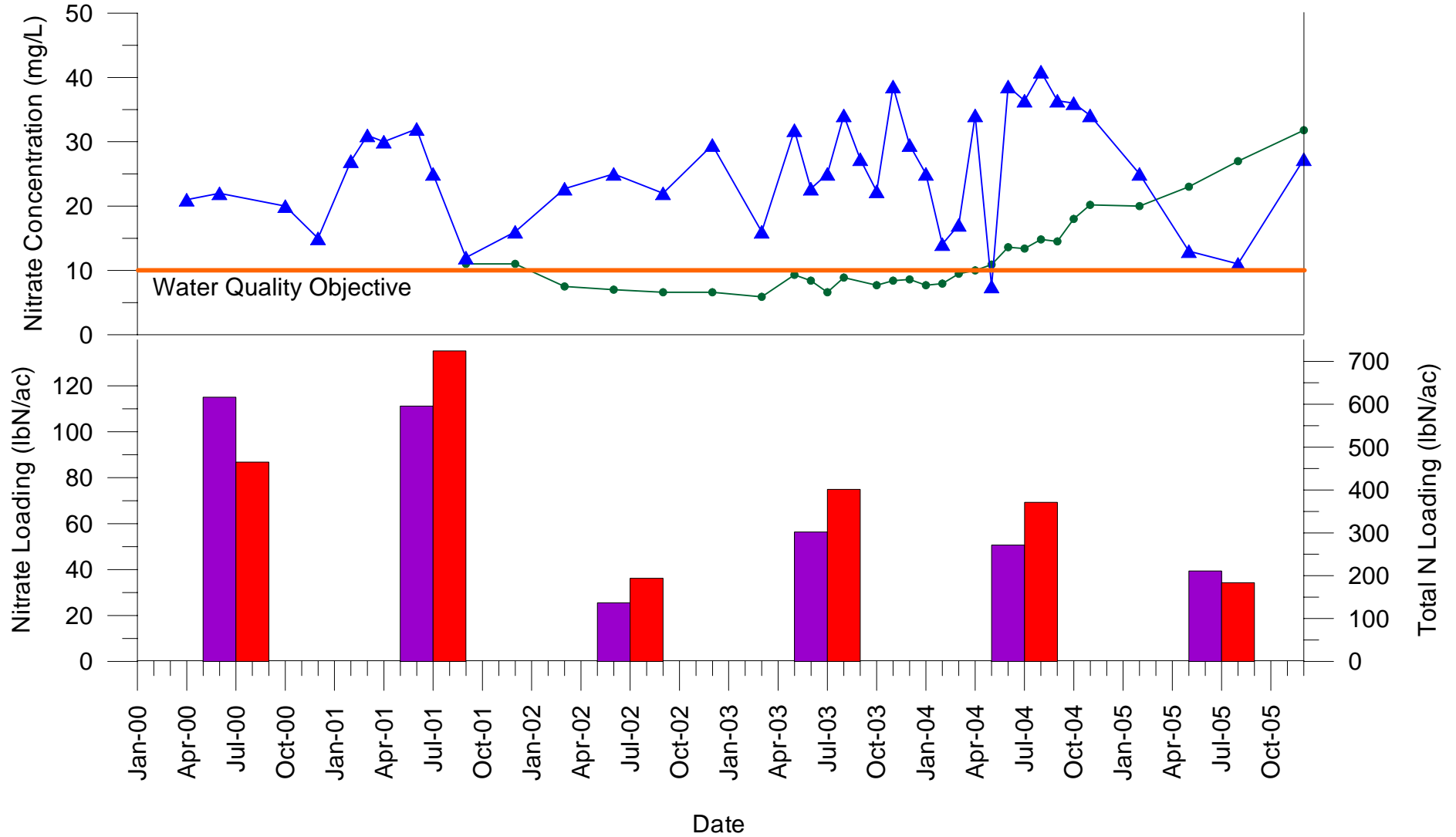


APPENDIX I

Historic WPCF Nitrogen Field Loadings

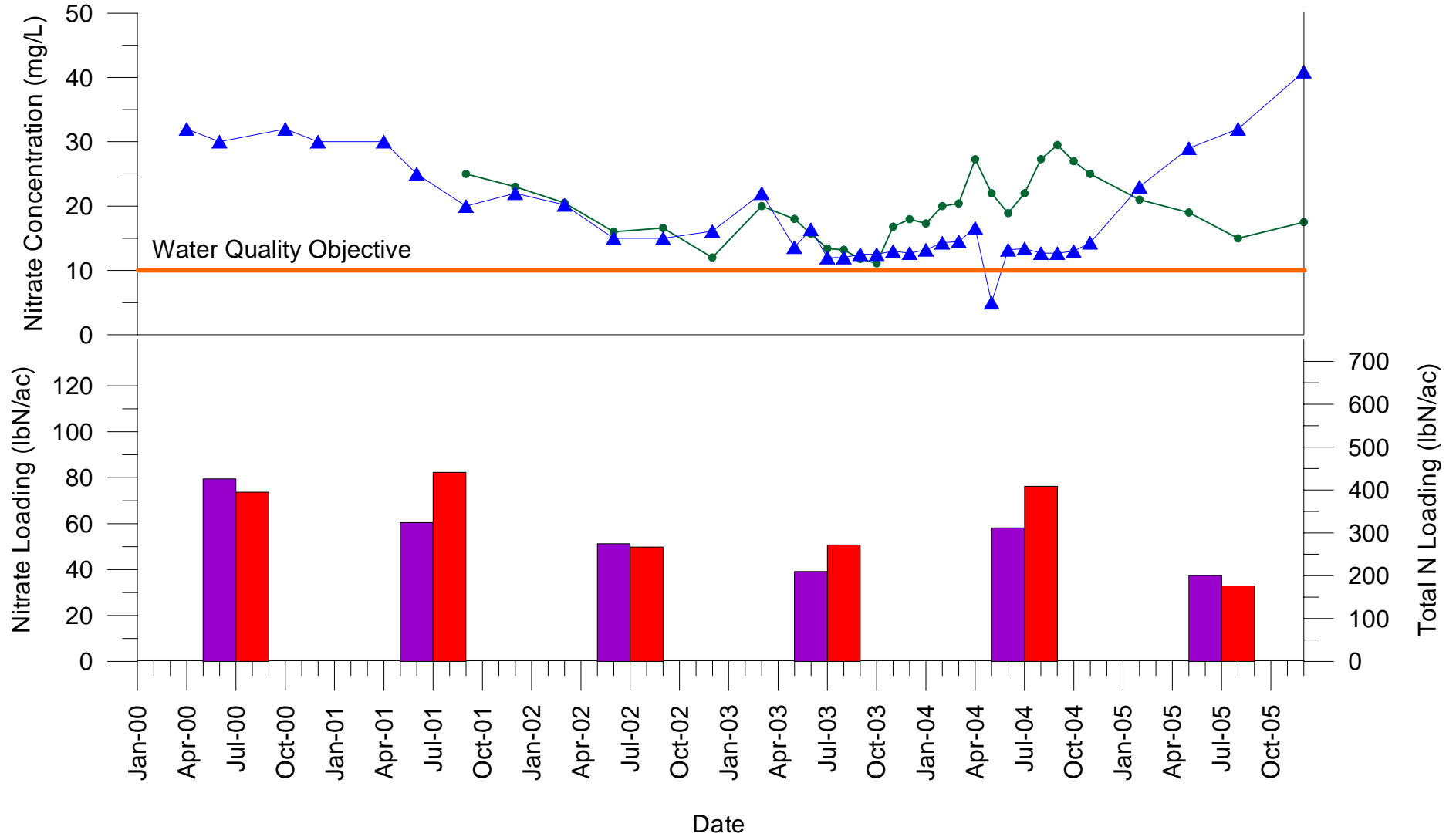
- Legend
- ▲ Nitrate in WSM 7
 - Nitrate in WSM 9
 - Nitrate Loading: NE
 - Total N Loading: NE

Northeast Quadrant
Nitrogen Loading and Groundwater Conditions
City of Lodi White Slough Pollution Control Facility



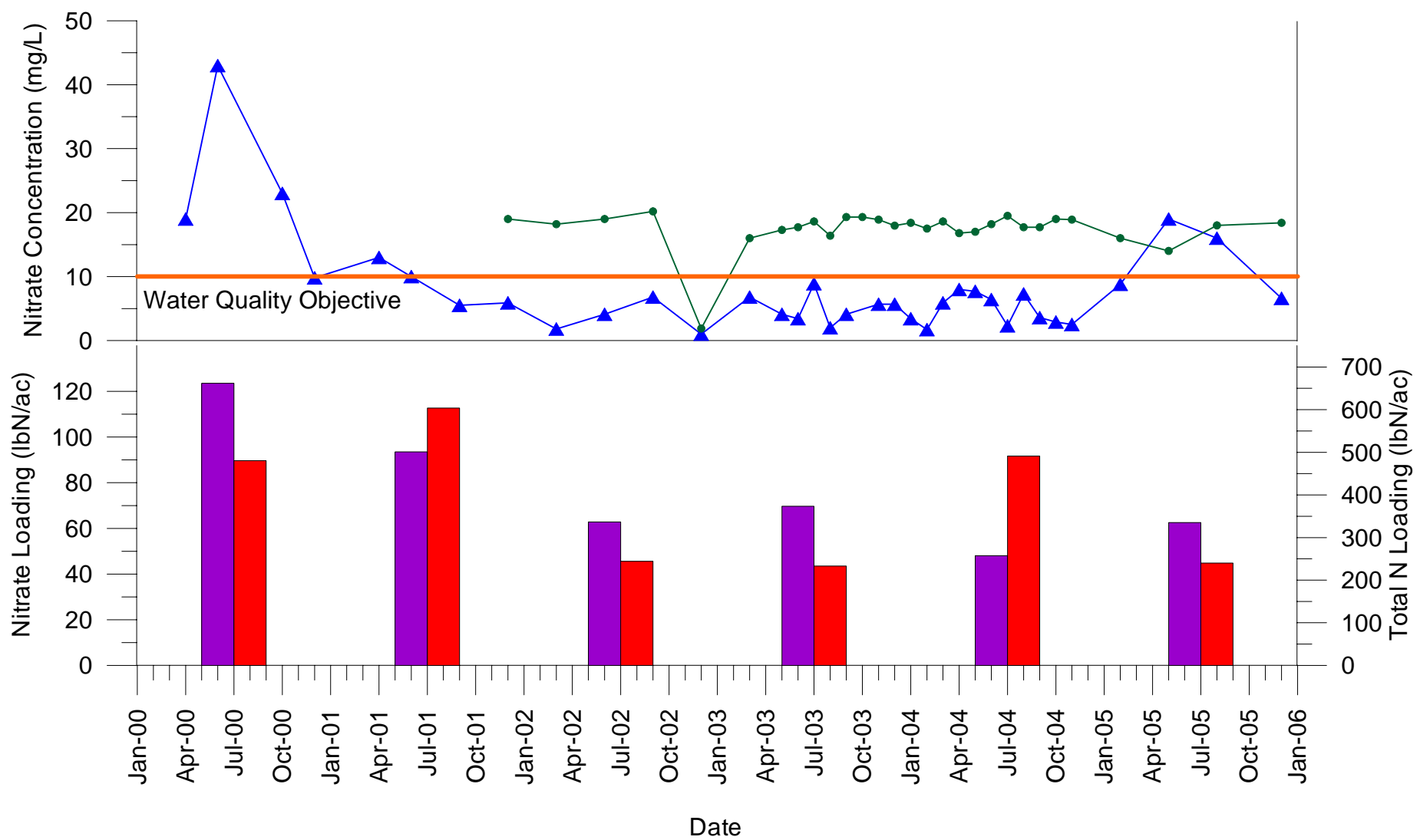
- Legend
- ▲ Nitrate in WSM 2
 - Nitrate in WSM 15
 - Nitrate Loading: NW
 - Total N Loading: NW

Northwest Quadrant
Nitrogen Loading and Groundwater Conditions
City of Lodi White Slough Pollution Control Facility



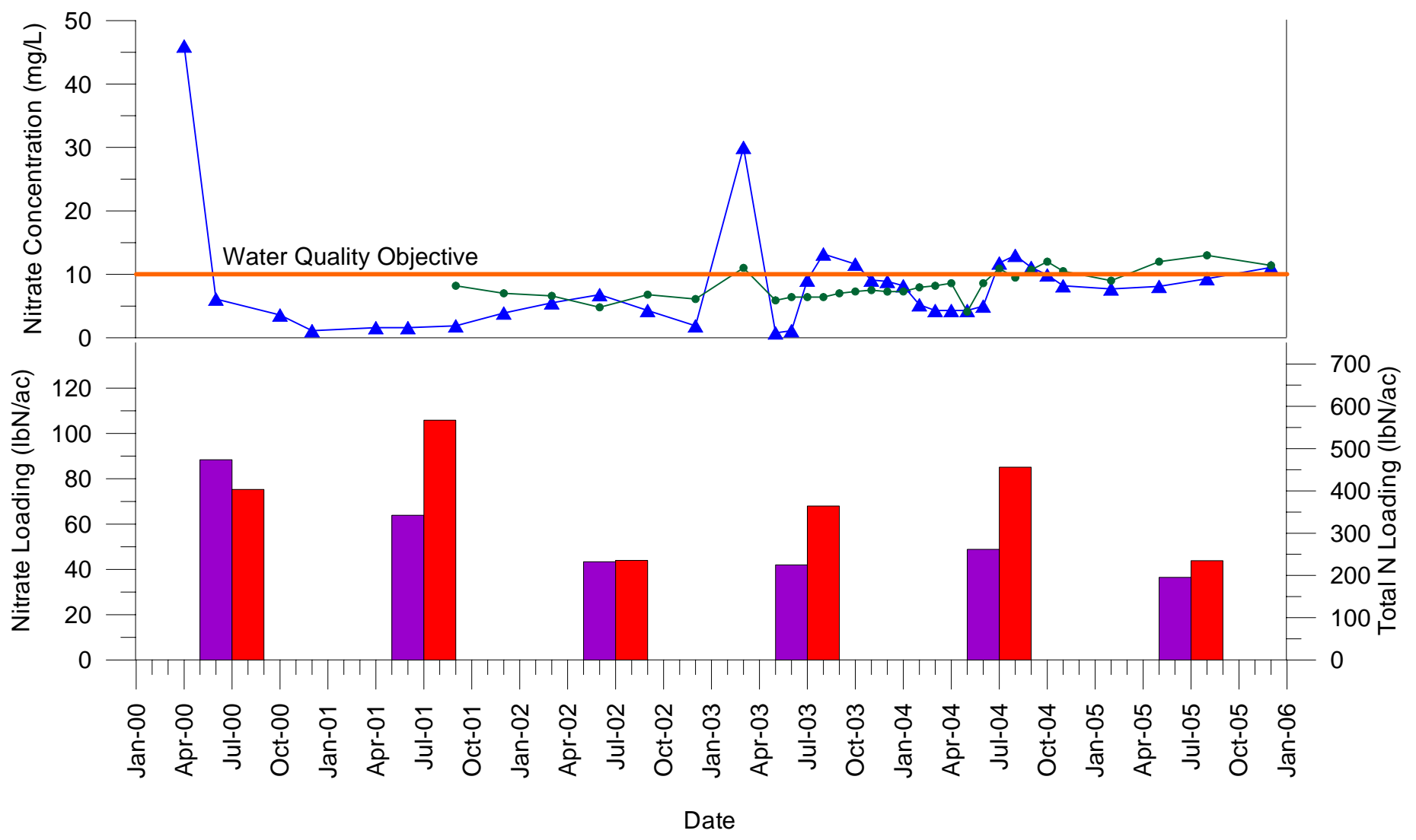
Southeast Quadrant
Nitrogen Loading and Groundwater Conditions
City of Lodi White Slough Pollution Control Facility

- Legend
- ▲ Nitrate in WSM 6
 - Nitrate in WSM 12
 - Nitrate Loading: SE
 - Total N Loading: SE



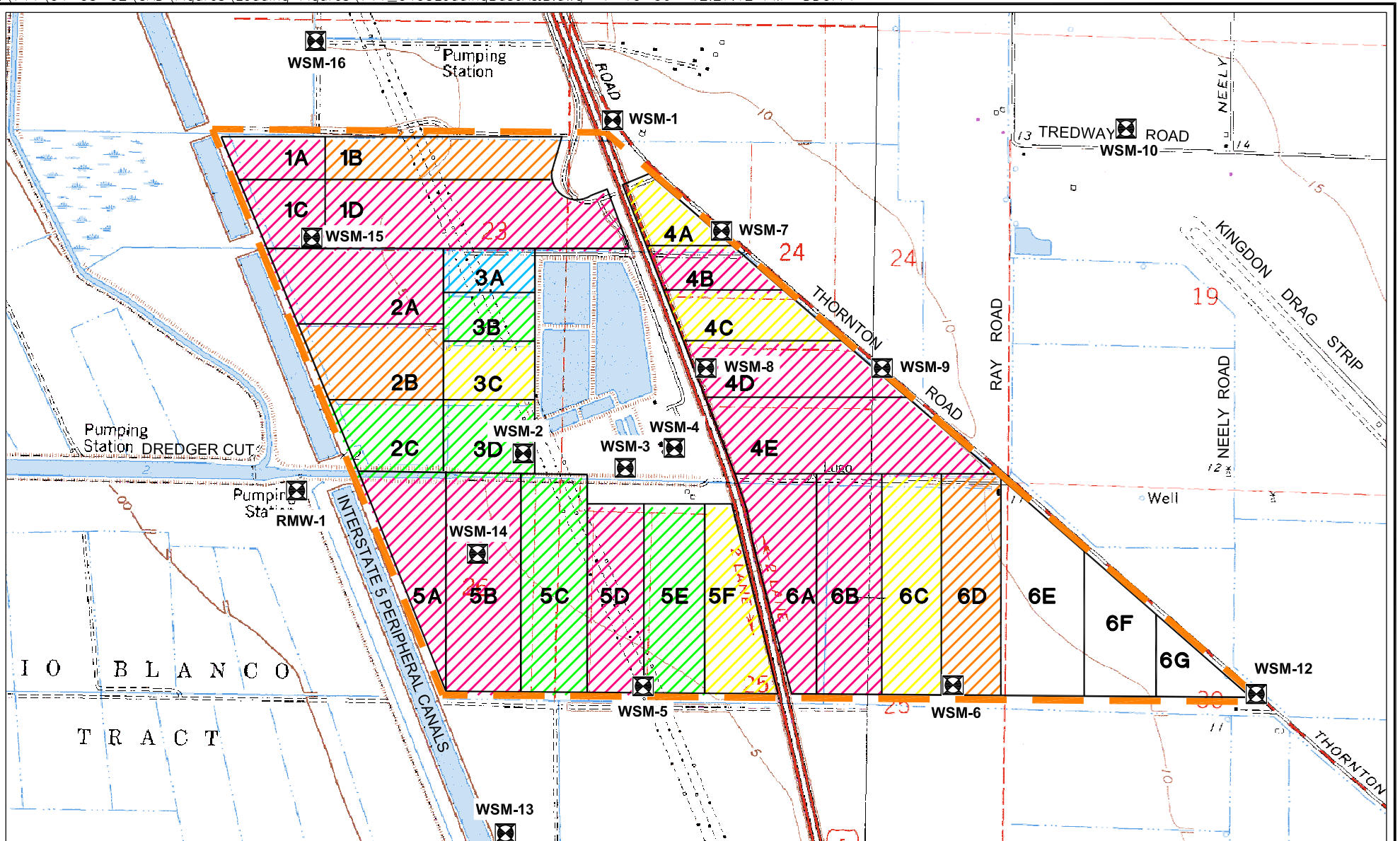
Southwest Quadrant
Nitrogen Loading and Groundwater Conditions
City of Lodi White Slough Pollution Control Facility

- Legend
- ▲ Nitrate in WSM 5
 - Nitrate in WSM 14
 - Nitrate Loading: SW
 - Total N Loading: SW



Annual Field Nitrogen Loadings, pounds per acre

Quadrant>>	North West Quadrant (257 acres)											North East Quadrant (130 acres)					South West Quadrant (223 acres)						South East Quadrant (180 acres)				Average Field Loading Rate lb N/acre	
	Field No.>>	1A	1B	1C	1D	2A	2B	2C	3A	3B	3C	3D	4A	4B	4C	4D	4E	5A	5B	5C	5D	5E	5F	6A	6B	6C		6D
	Acres>>	11	37	9	55	36	32	20	11	13	16	17	12	13	22	34	49	37	43	43	35	35	30	45	45	45		45
2005																												
Total Reclaimed Water N	145	128	174	149	242	205	101	148	119	103	80	65	233	195	138	121	139	201	128	96	172	178	168	123	248	207	154	
Total Biosolids N	22	24	21	178	0	0	0	4	4	4	4	24	36	20	7	20	18	3	123	0	79	79	5	53	63	81	33	
Total Fertilizer N	0	0	0	0	12	12	12	12	12	12	12	12	12	12	12	12	0	0	0	0	96	96	12	0	0	0	13	
Total N	167	152	195	327	254	217	113	164	135	119	95	102	280	226	157	154	157	204	251	96	348	353	184	176	311	288	201	
Estimated Crop Uptake	425	425	425	425	480	480	480	480	480	480	480	480	480	480	480	480	480	480	425	480	425	425	480	240	240	240	438	
2004																												
Total Reclaimed Water N	244	442	246	468	552	504	362	435	308	294	229	201	244	285	411	522	396	409	583	243	446	436	295	330	469	520	380	
Total Biosolids N	52	66	49	214	0	0	0	7	7	7	7	47	55	27	13	51	86	5	122	11	0	0	27	136	86	101	45	
Total Fertilizer N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total N	296	508	295	682	552	504	362	442	316	301	237	248	299	312	424	572	481	414	705	254	446	436	322	466	555	622	425	
Estimated Crop Uptake	425	425	425	425	480	480	480	480	480	480	480	480	480	480	480	480	425	480	425	480	480	480	480	425	425	425	461	
2003																												
Total Reclaimed Water N	91	165	74	153	192	183	116	176	150	166	185	224	177	134	220	342	350	122	102	219	280	277	178	252	280	223	193	
Total Biosolids N	209	209	209	209	0	0	0	126	126	126	126	307	325	132	102	45	134	90	0	11	0	0	0	0	0	0	96	
Total Fertilizer N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	200	200	200	0	0	0	0	0	0	0	23	
Total N	300	374	283	363	192	183	116	302	275	291	311	532	503	265	321	387	684	412	302	230	280	277	178	252	280	223	312	
Estimated Crop Uptake	425	425	425	425	480	480	480	425	425	425	425	425	425	425	425	480	425	425	480	480	480	480	480	480	480	480	450	
2002																												
Total Reclaimed Water N	223	271	215	263	260	291	147	127	201	229	171	112	50	59	44	191	202	212	162	141	249	237	186	267	283	242	194	
Total Biosolids N	135	135	135	135	0	0	0	0	0	0	0	133	54	41	0	288	192	0	0	18	0	0	0	0	0	0	49	
Total Fertilizer N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total N	358	406	350	398	260	291	147	127	201	229	171	245	104	100	44	479	394	212	162	158	249	237	186	267	283	242	242	
Estimated Crop Uptake	480	480	480	480	480	480	480	480	480	480	480	240	240	240	0	240	425	480	480	480	480	480	425	480	480	480	420	
2001																												
Total Reclaimed Water N	533	706	565	615	447	416	202	271	387	332	248	641	504	407	552	969	616	350	385	361	413	364	759	400	567	690	488	
Total Biosolids N	1	1	1	1	4	4	0	0	0	0	0	0	275	209	0	65	77	0	0	38	0	0	0	0	0	0	26	
Total Fertilizer N	30	30	30	30	0	0	0	0	0	0	0	0	0	0	0	0	200	0	0	200	200	200	0	0	0	0	35	
Total N	564	737	595	645	450	420	202	271	387	332	248	641	779	616	552	1,034	893	350	385	599	613	564	759	400	567	690	550	
Estimated Crop Uptake	240	240	240	240	240	240	240	480	480	480	480	0	240	240	0	240	425	480	480	240	240	240	425	480	480	480	319	
2000																												
Total Reclaimed Water N	506	415	448	479	774	431	275	171	297	304	244	382	536	289	539	579	772	502	235	327	285	300	528	581	378	434	423	
Total Biosolids N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total Fertilizer N	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total N	506	415	448	479	774	431	275	171	297	304	244	382	536	289	539	579	772	502	235	327	285	300	528	581	378	434	423	
Estimated Crop Uptake	425	425	425	425	480	480	480	480	480	480	480	480	480	480	480	480	240	480	240	480	240	240	480	480	480	480	435	



LEGEND

- BOUNDARY OF CITY-OWNED LAND
- WSM-4 WELLS
- <200 LB/ACRE TOTAL N PER YEAR
- 200-300 LB/ACRE TOTAL N PER YEAR
- 300-400 LB/ACRE TOTAL N PER YEAR
- 400-500 LB/ACRE TOTAL N PER YEAR
- >500 LB/ACRE TOTAL N PER YEAR

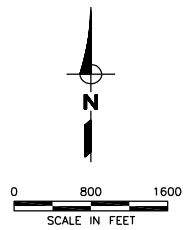
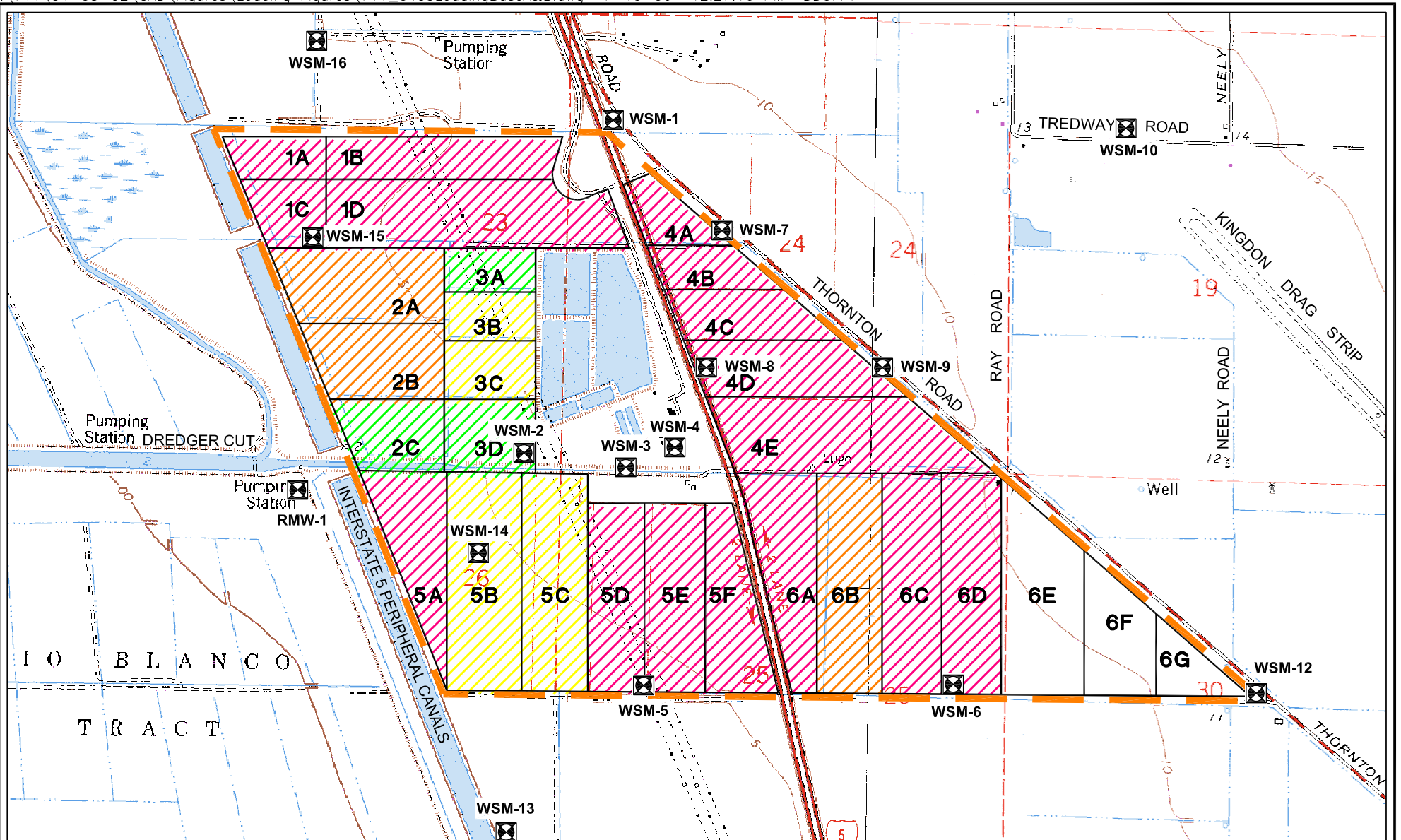


Figure A-1
City of Lodi
Water Pollution Control Facility
Groundwater Assessment
Total Nitrogen Loading for All
Sources 2000





LEGEND

	BOUNDARY OF CITY-OWNED LAND		<200 LB/ACRE TOTAL N PER YEAR
	WELLS		200-300 LB/ACRE TOTAL N PER YEAR
			300-400 LB/ACRE TOTAL N PER YEAR
			400-500 LB/ACRE TOTAL N PER YEAR
			>500 LB/ACRE TOTAL N PER YEAR

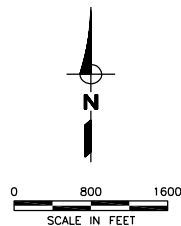
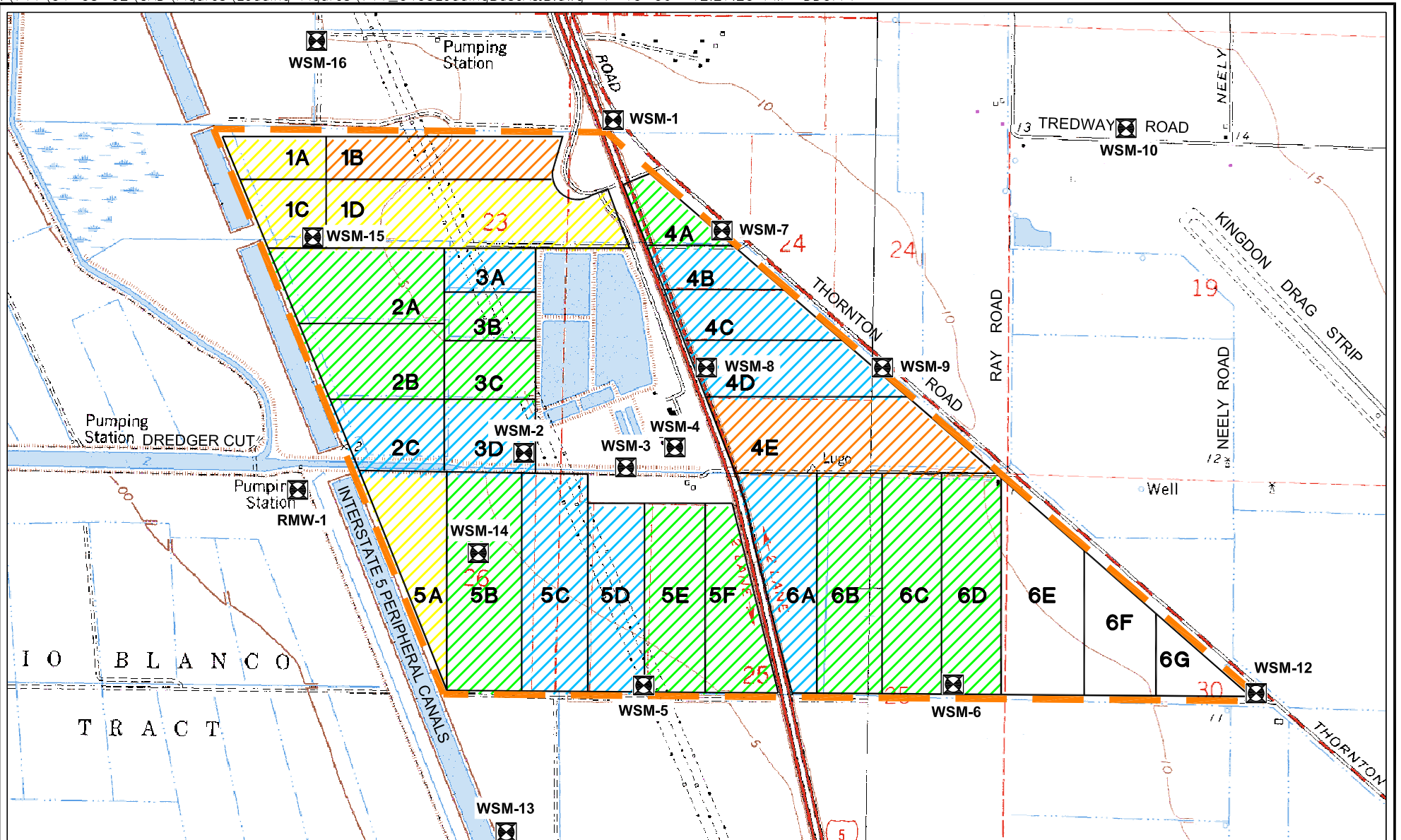









Figure A-2
City of Lodi
Water Pollution Control Facility
Groundwater Assessment
Total Nitrogen Loading for All
Sources 2001



LEGEND

-  BOUNDARY OF CITY-OWNED LAND
-  WSM-4 WELLS
-  <200 LB/ACRE TOTAL N PER YEAR
-  200-300 LB/ACRE TOTAL N PER YEAR
-  300-400 LB/ACRE TOTAL N PER YEAR
-  400-500 LB/ACRE TOTAL N PER YEAR
-  >500 LB/ACRE TOTAL N PER YEAR

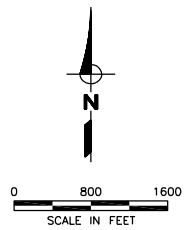
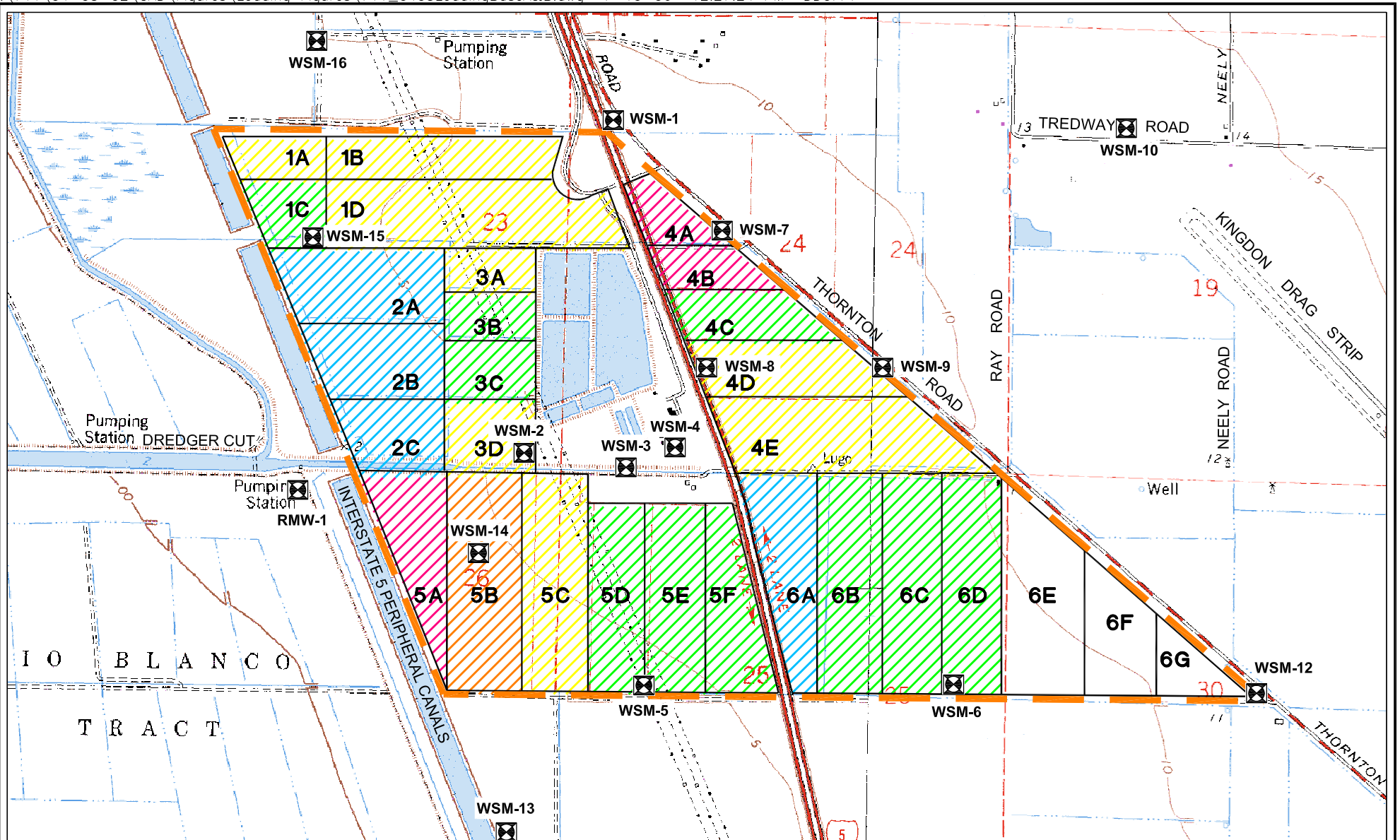


Figure A-3
City of Lodi
Water Pollution Control Facility
Groundwater Assessment
Total Nitrogen Loading for All
Sources 2002



LEGEND

- BOUNDARY OF CITY-OWNED LAND
- WSM-4 WELLS
- <200 LB/ACRE TOTAL N PER YEAR
- 200-300 LB/ACRE TOTAL N PER YEAR
- 300-400 LB/ACRE TOTAL N PER YEAR
- 400-500 LB/ACRE TOTAL N PER YEAR
- >500 LB/ACRE TOTAL N PER YEAR

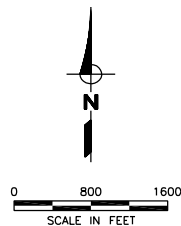
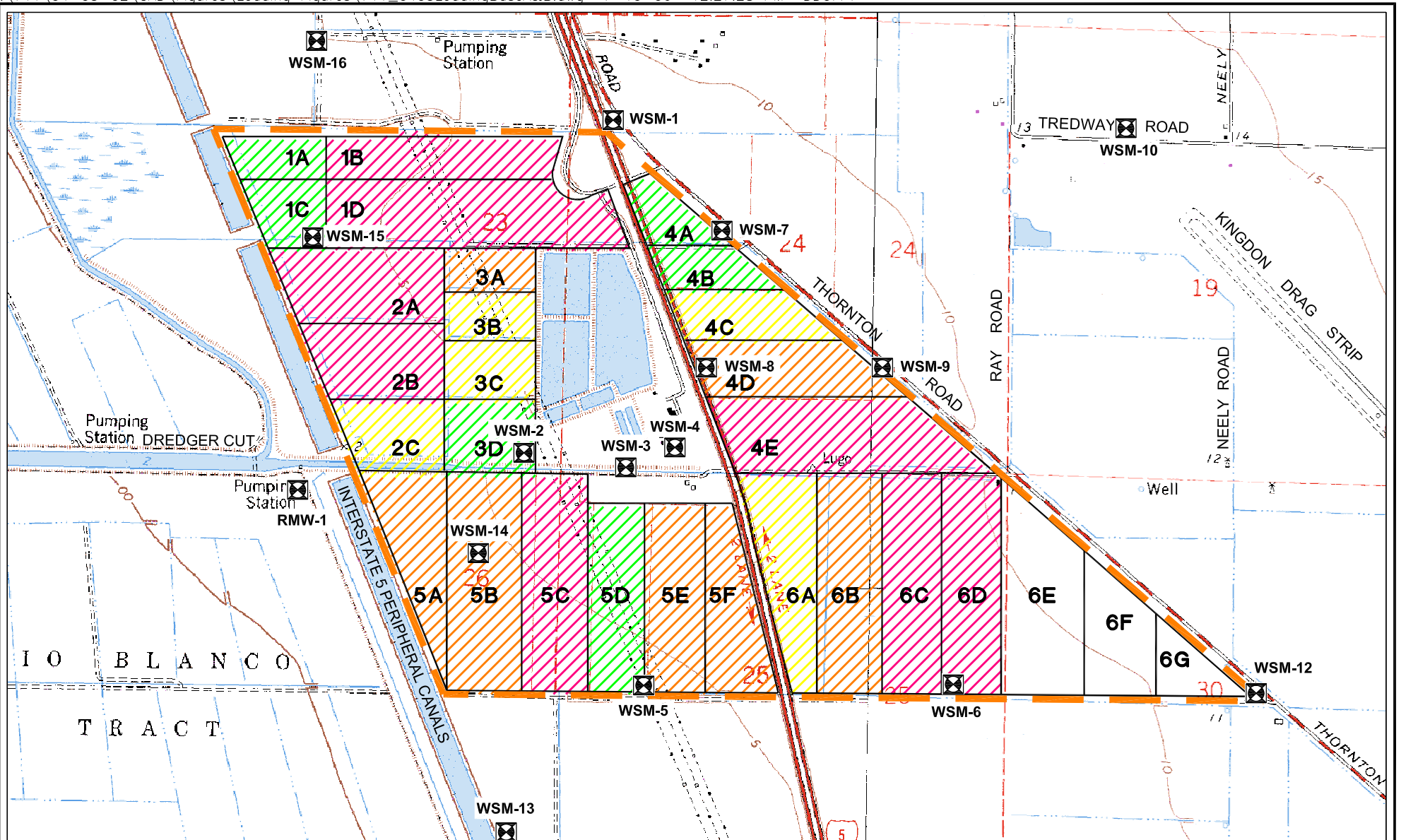









Figure A-4
City of Lodi
Water Pollution Control Facility
Groundwater Assessment
Total Nitrogen Loading for All
Sources 2003



LEGEND

-  BOUNDARY OF CITY-OWNED LAND
-  WSM-4 WELLS
-  <200 LB/ACRE TOTAL N PER YEAR
-  200-300 LB/ACRE TOTAL N PER YEAR
-  300-400 LB/ACRE TOTAL N PER YEAR
-  400-500 LB/ACRE TOTAL N PER YEAR
-  >500 LB/ACRE TOTAL N PER YEAR

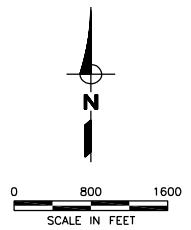
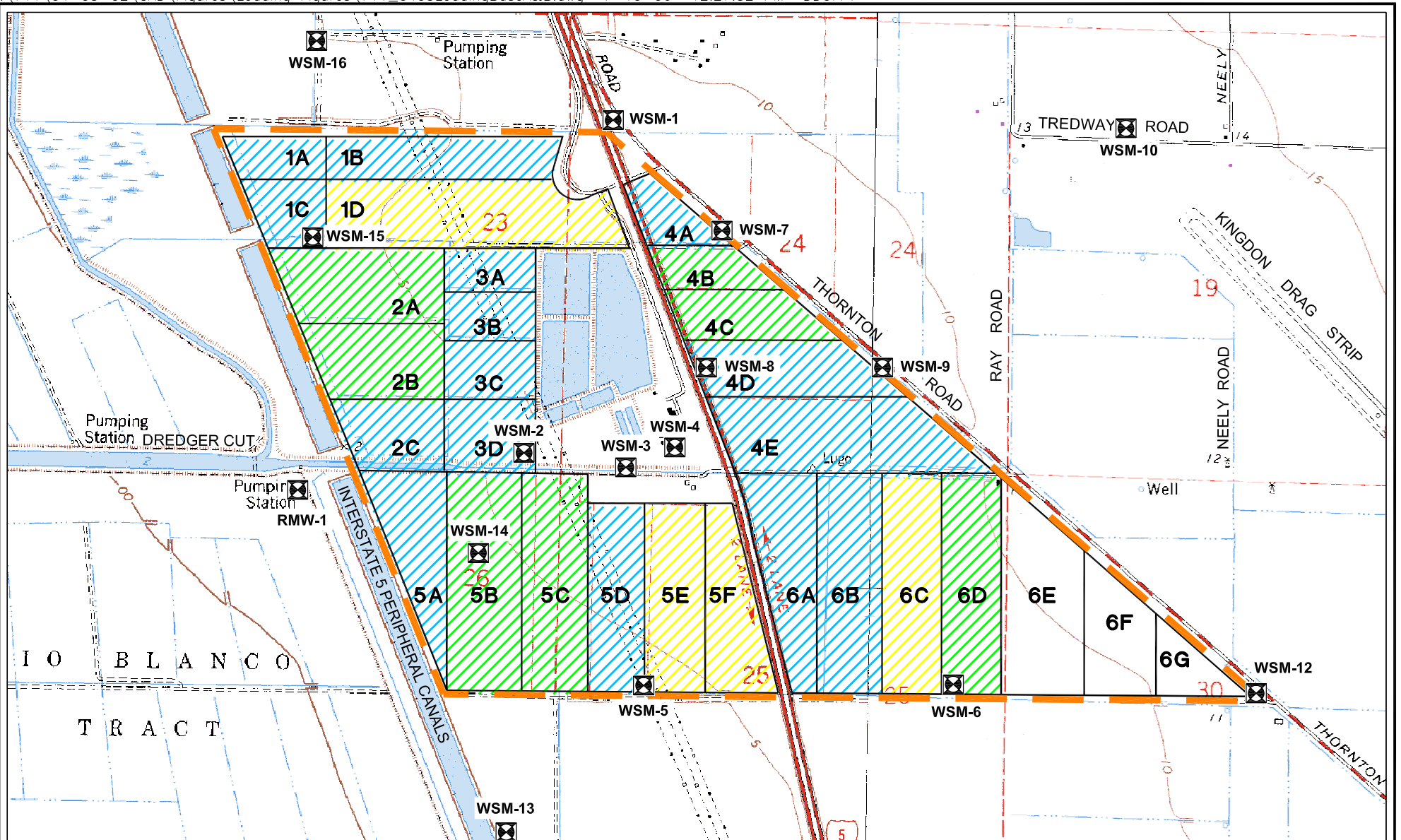









Figure A-5
City of Lodi
Water Pollution Control Facility
Groundwater Assessment
Total Nitrogen Loading for All
Sources 2004



LEGEND

	BOUNDARY OF CITY-OWNED LAND		<200 LB/ACRE TOTAL N PER YEAR
	WELLS		200-300 LB/ACRE TOTAL N PER YEAR
			300-400 LB/ACRE TOTAL N PER YEAR
			400-500 LB/ACRE TOTAL N PER YEAR
			>500 LB/ACRE TOTAL N PER YEAR

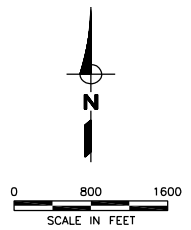


Figure A-6
City of Lodi
Water Pollution Control Facility
Groundwater Assessment
Total Nitrogen Loading for All
Sources 2005