

APPENDIX B:
SOILS AND LANDUSE DATA

Table B.1 Subbasin Summary

Subbasin Name	Area (Acres)	Ksat (in/hr)	PSIF (in)	DTheta	Imp (%)	DStore Perv (in)	basin N Perv	Width	Slope
S-0106	20.0	0.15	6.6	0.25	54.49	0.15	0.26	2897	0.92
S-0204	8.8	0.15	6.6	0.25	68.96	0.15	0.24	1456	1.78
S-0305	15.9	0.15	6.6	0.25	63.07	0.14	0.22	3652	2.32
S-0404	31.5	0.15	6.6	0.25	68.38	0.14	0.23	4568	0.46
S-0508	10.7	0.15	6.6	0.25	76.75	0.15	0.24	1555	0.42
S-0605	22.7	0.15	6.6	0.25	50.94	0.15	0.27	4591	4.98
S-0716	59.3	0.15	6.6	0.25	72.01	0.15	0.24	8612	1.04
S-0906	19.7	0.15	6.6	0.25	58.68	0.17	0.31	2856	1.11
S-10027	60.3	0.15	6.6	0.25	55.40	0.17	0.28	8988	1.6
S-1004	16.2	0.15	6.6	0.25	24.27	0.20	0.38	2355	2.13
S-10203	36.1	0.15	6.6	0.25	76.61	0.15	0.25	5212	2.03
S-10413	45.9	0.15	6.6	0.25	21.28	0.19	0.35	6669	2.68
S-10517	30.5	0.15	6.6	0.25	83.40	0.15	0.24	4432	2.29
S-10602	30.8	0.15	6.6	0.25	59.91	0.15	0.24	4483	3.22
S-10702	57.4	0.15	6.6	0.25	52.34	0.15	0.24	8333	1.16
S-10802	24.0	0.15	6.6	0.25	44.52	0.15	0.24	3477	4.43
S-1101	35.8	0.15	6.6	0.25	70.06	0.15	0.25	5393	0.97
S-11301	54.6	0.15	6.6	0.25	60.10	0.15	0.24	7925	2.16
S-11413	29.8	0.15	6.6	0.25	70.99	0.15	0.25	4601	2.13
S-11503	21.6	0.15	6.6	0.25	53.96	0.16	0.26	3131	4.72
S-11601	20.1	0.15	6.6	0.25	60.78	0.15	0.24	3707	3.54
S-11701	11.4	0.15	6.6	0.25	87.16	0.15	0.24	1649	2.39
S-1205	39.7	0.15	6.6	0.25	61.56	0.16	0.27	6495	3.12
S-12314	9.9	0.15	6.6	0.25	50.65	0.15	0.24	1438	2.98
S-12402	67.8	0.15	6.6	0.25	22.32	0.18	0.32	9834	2.31
S-12813	35.2	0.15	6.6	0.25	34.15	0.19	0.36	5837	0.85
S-12901	27.7	0.15	6.6	0.25	1.87	0.20	0.40	4018	6.04
S-1308	44.7	0.15	6.6	0.25	75.20	0.15	0.24	10596	0.41
S-13207	34.1	0.15	6.6	0.25	53.13	0.17	0.29	4937	0.76
S-13818	67.1	0.15	6.6	0.25	55.20	0.16	0.25	9750	1.54
S-13910	35.1	0.15	6.6	0.25	38.42	0.15	0.25	5101	1.51
S-14003	31.2	0.15	6.6	0.25	47.12	0.15	0.24	4527	2.24
S-1406	33.1	0.15	6.6	0.25	76.50	0.15	0.24	6284	1.11
S-14103	61.6	0.15	6.6	0.25	49.12	0.15	0.24	16037	2.71
S-14701	15.5	0.15	6.6	0.25	45.13	0.18	0.34	2360	2.85
S-14801	52.9	0.15	6.6	0.25	48.33	0.16	0.26	7674	2.9
S-14908	72.7	0.15	6.6	0.25	58.01	0.15	0.24	10560	1.25
S-1504	13.8	0.15	6.6	0.25	73.83	0.15	0.24	2007	0.63
S-1610	29.1	0.15	6.6	0.25	60.20	0.17	0.30	8194	1.52
S-1705	23.3	0.15	6.6	0.25	73.64	0.15	0.24	3487	1.39
S-1806	19.6	0.15	6.6	0.25	60.36	0.13	0.22	2840	0.44
S-1907	92.0	0.15	6.6	0.25	73.50	0.14	0.24	13369	1
S-2010	35.5	0.15	6.6	0.25	66.85	0.15	0.25	4478	1.37

S-2121	44.3	0.15	6.6	0.25	68.96	0.17	0.29	6437	1.11
S-2406	23.7	0.15	6.6	0.25	67.81	0.16	0.26	5726	0.96
S-2501	60.1	0.15	6.6	0.25	53.67	0.21	0.41	8727	0.68
S-2511	59.0	0.15	6.6	0.25	70.68	0.16	0.26	8585	0.9
S-2709	56.6	0.15	6.6	0.25	55.05	0.14	0.26	8224	1.64
S-2803	34.9	0.15	6.6	0.25	57.46	0.15	0.25	5080	0.59
S-3015	23.9	0.15	6.6	0.25	75.91	0.15	0.24	3467	1.22
S-3105	45.7	0.15	6.6	0.25	69.31	0.18	0.33	6638	0.46
S-3306	43.1	0.15	6.6	0.25	70.15	0.14	0.24	7879	2.95
S-3410	62.3	0.15	6.6	0.25	70.63	0.15	0.24	9039	0.61
S-3515	76.1	0.15	6.6	0.25	64.83	0.15	0.24	11057	0.59
S-3606	31.4	0.15	6.6	0.25	64.66	0.15	0.24	6776	0.26
S-3701	9.0	0.15	6.6	0.25	69.80	0.15	0.24	1322	1.55
S-4010	45.0	0.15	6.6	0.25	75.07	0.15	0.24	7086	0.37
S-4403	11.9	0.15	6.6	0.25	85.71	0.15	0.24	2673	3.31
S-4705	19.1	0.15	6.6	0.25	78.56	0.13	0.21	2776	2.47
S-4903	22.5	0.15	6.6	0.25	86.26	0.15	0.24	3271	0.9
S-4907	19.6	0.15	6.6	0.25	86.33	0.16	0.28	5475	1.85
S-5307	17.1	0.15	6.6	0.25	73.64	0.15	0.25	2486	3.17
S-5408	14.1	0.15	6.6	0.25	54.15	0.15	0.25	2041	5.74
S-5608	17.8	0.15	6.6	0.25	56.55	0.16	0.29	2584	4.78
S-5703	11.0	0.15	6.6	0.25	60.34	0.17	0.30	1594	2.68
S-5904	12.4	0.15	6.6	0.25	83.79	0.15	0.27	6526	3.24
S-6005	11.9	0.15	6.6	0.25	40.78	0.17	0.32	3195	2.68
S-6104	56.7	0.15	6.6	0.25	7.58	0.20	0.39	8228	3.72
S-6205	25.5	0.15	6.6	0.25	41.83	0.19	0.37	3710	2.38
S-6506	18.0	0.15	6.6	0.25	71.47	0.15	0.24	2691	2.61
S-6603	35.8	0.15	6.6	0.25	19.74	0.19	0.38	5257	4.62
S-6610	66.0	0.15	6.6	0.25	46.81	0.16	0.27	8446	0.99
S-6804	15.5	0.15	6.6	0.25	61.02	0.15	0.25	2248	1.39
S-6903	10.4	0.15	6.6	0.25	66.00	0.15	0.24	2997	2.55
S-7207	18.1	0.15	6.6	0.25	62.34	0.16	0.27	2713	6.44
S-7511	42.1	0.15	6.6	0.25	54.64	0.16	0.26	6109	1.95
S-7604	12.4	0.15	6.6	0.25	70.95	0.15	0.24	2514	4.98
S-8007	21.6	0.15	6.6	0.25	48.86	0.17	0.32	3143	5.68
S-8506	22.6	0.15	6.6	0.25	58.70	0.15	0.25	3285	5.29
S-8716	19.8	0.15	6.6	0.25	81.32	0.16	0.26	2875	1.74
S-8804	29.3	0.15	6.6	0.25	59.29	0.16	0.28	4259	2.51
S-8904	6.3	0.15	6.6	0.25	17.20	0.21	0.40	916	3.94
S-9004	69.7	0.15	6.6	0.25	61.30	0.16	0.28	10131	1.52
S-9206	55.1	0.15	6.6	0.25	55.79	0.19	0.34	15041	5.4
S-9404	47.0	0.15	6.6	0.25	78.42	0.15	0.25	7285	1.71
S-9607	34.0	0.15	6.6	0.25	67.87	0.15	0.24	8260	2.73
S-T1-1004	10.5	0.15	6.6	0.25	82.34	0.15	0.24	1667	2.28
S-T1-104	15.0	0.15	6.6	0.25	61.79	0.19	0.36	2172	0.74
S-T1-1104	12.7	0.15	6.6	0.25	70.91	0.15	0.27	1847	6.01
S-T1-1217	23.1	0.15	6.6	0.25	71.69	0.15	0.24	3356	2.22

S-T1-1305	18.8	0.15	6.6	0.25	68.59	0.16	0.27	2893	0.95
S-T1-1409	50.3	0.15	6.6	0.25	71.16	0.15	0.25	9846	1.88
S-T1-1602	24.6	0.15	6.6	0.25	71.73	0.15	0.24	3601	4.8
S-T1-1709	66.6	0.15	6.6	0.25	64.83	0.15	0.26	9696	2.06
S-T1-1813	13.5	0.15	6.6	0.25	76.97	0.15	0.24	1978	3.97
S-T1-1913	79.5	0.15	6.6	0.25	78.55	0.16	0.27	12719	1.23
S-T1-2001	12.6	0.15	6.6	0.25	84.89	0.18	0.35	3248	7.93
S-T1-207	64.9	0.15	6.6	0.25	78.06	0.15	0.24	9972	1.22
S-T1-2110	32.9	0.15	6.6	0.25	79.83	0.15	0.24	5175	1.32
S-T1-2405	24.1	0.15	6.6	0.25	76.08	0.17	0.32	3524	1.77
S-T1-2613	51.7	0.15	6.6	0.25	70.61	0.15	0.25	7755	1.3
S-T1-2707	60.6	0.15	6.6	0.25	51.90	0.15	0.28	10487	0.44
S-T1-2808	58.7	0.15	6.6	0.25	49.66	0.16	0.28	8684	1.03
S-T1-403	37.4	0.15	6.6	0.25	79.88	0.16	0.26	5436	4.11
S-T1-505	5.2	0.15	6.6	0.25	78.84	0.15	0.24	833	1.47
S-T1-603	4.6	0.15	6.6	0.25	86.80	0.15	0.24	712	2.16
S-T1-803	41.8	0.15	6.6	0.25	86.43	0.21	0.41	6066	1.52
S-T1-909	6.8	0.15	6.6	0.25	77.78	0.15	0.24	1063	1.63
S-T2-1001	4.7	0.15	6.6	0.25	53.76	0.15	0.24	1201	4.97
S-T2-105	43.4	0.15	6.6	0.25	46.84	0.16	0.28	6928	8.24
S-T2-1102	15.7	0.15	6.6	0.25	75.16	0.15	0.24	2287	1.69
S-T2-1212	27.4	0.15	6.6	0.25	44.25	0.15	0.24	3984	2.57
S-T2-1303	7.5	0.15	6.6	0.25	46.65	0.15	0.24	1090	2.11
S-T2-1406	69.6	0.15	6.6	0.25	38.89	0.15	0.24	10197	1.25
S-T2-1507	14.7	0.15	6.6	0.25	20.46	0.19	0.36	2182	3.88
S-T2-1607	27.5	0.15	6.6	0.25	35.81	0.17	0.30	3999	1.49
S-T2-1707	6.8	0.15	6.6	0.25	41.27	0.17	0.30	992	2.35
S-T2-1803	6.2	0.15	6.6	0.25	51.20	0.16	0.27	1784	2.27
S-T2-1914	24.9	0.15	6.6	0.25	55.40	0.15	0.25	3694	2.22
S-T2-2002	18.1	0.15	6.6	0.25	31.81	0.16	0.28	2623	2.92
S-T2-2105	22.8	0.15	6.6	0.25	79.32	0.15	0.24	3327	1.43
S-T2-2205	16.1	0.15	6.6	0.25	52.52	0.15	0.24	2348	2.05
S-T2-2301	34.5	0.15	6.6	0.25	0.86	0.20	0.40	5006	2.78
S-T2-2405	35.9	0.15	6.6	0.25	53.66	0.15	0.24	5442	1.42
S-T2-2503	69.1	0.15	6.6	0.25	15.18	0.19	0.37	10150	1.64
S-T2-312	82.5	0.15	6.6	0.25	38.98	0.16	0.27	11981	4.64
S-T2-401	27.8	0.15	6.6	0.25	66.54	0.15	0.24	4323	3.08
S-T2-509	22.5	0.15	6.6	0.25	50.62	0.15	0.24	3268	2.49
S-T2-606	16.6	0.15	6.6	0.25	67.94	0.15	0.24	3489	1.76
S-T2-703	23.4	0.15	6.6	0.25	57.79	0.15	0.24	3399	2.97
S-T2-812	27.3	0.15	6.6	0.25	41.26	0.15	0.25	3967	2.72
S-T2-901	14.4	0.15	6.6	0.25	38.84	0.15	0.24	2086	1.6
S-T3-1003	11.4	0.15	6.6	0.25	45.20	0.15	0.24	1657	3.65
S-T3-105	12.4	0.15	6.6	0.25	54.92	0.15	0.24	2309	4.44
S-T3-1107	34.1	0.15	6.6	0.25	37.05	0.15	0.24	4957	1.19
S-T3-1222	19.6	0.15	6.6	0.25	83.28	0.15	0.29	3090	1.75
S-T3-1301	17.3	0.15	6.6	0.25	53.91	0.15	0.24	2516	2.79

S-T3-1402	9.4	0.15	6.6	0.25	55.62	0.16	0.28	1362	3.85
S-T3-1504	58.2	0.15	6.6	0.25	53.83	0.15	0.27	8935	0.65
S-T3-1607	4.7	0.15	6.6	0.25	94.27	0.15	0.24	660	1.08
S-T3-1705	20.9	0.15	6.6	0.25	61.02	0.15	0.25	3039	4.45
S-T3-1801	19.8	0.15	6.6	0.25	77.72	0.15	0.25	3654	1.42
S-T3-1909	24.3	0.15	6.6	0.25	67.39	0.15	0.24	3557	3.17
S-T3-1921	54.7	0.15	6.6	0.25	67.27	0.15	0.26	7944	0.77
S-T3-2003	29.9	0.15	6.6	0.25	51.42	0.15	0.24	4863	0.46
S-T3-201	14.1	0.15	6.6	0.25	44.52	0.15	0.25	2748	3.54
S-T3-2122	61.7	0.15	6.6	0.25	61.19	0.16	0.27	9384	0.7
S-T3-2301	18.4	0.15	6.6	0.25	80.93	0.15	0.24	2729	2.02
S-T3-2402	35.7	0.15	6.6	0.25	87.70	0.15	0.24	5188	1.72
S-T3-2601	31.3	0.15	6.6	0.25	66.89	0.15	0.24	5092	0.7
S-T3-2701	19.7	0.15	6.6	0.25	81.23	0.15	0.25	4193	3.38
S-T3-2901	36.8	0.15	6.6	0.25	62.85	0.15	0.24	6710	2.2
S-T3-3012	23.1	0.15	6.6	0.25	46.50	0.15	0.24	3448	0.73
S-T3-306	24.5	0.15	6.6	0.25	41.36	0.15	0.25	3553	2.47
S-T3-3107	49.2	0.15	6.6	0.25	72.28	0.15	0.24	7247	0.74
S-T3-3202	6.9	0.15	6.6	0.25	71.99	0.15	0.24	996	3.82
S-T3-3604	16.3	0.15	6.6	0.25	42.56	0.18	0.32	2396	1.06
S-T3-3705	41.8	0.15	6.6	0.25	69.75	0.15	0.24	6082	0.69
S-T3-3807	38.1	0.15	6.6	0.25	65.45	0.15	0.25	5534	0.63
S-T3-3904	34.6	0.15	6.6	0.25	52.93	0.18	0.33	5030	0.98
S-T3-4003	20.9	0.15	6.6	0.25	53.48	0.15	0.24	3219	0.44
S-T3-401	17.0	0.10	6.09	0.20	6.90	0.08	0.17	3067	5.7
S-T3-410	19.7	0.15	6.6	0.25	51.97	0.15	0.24	3528	4.47
S-T3-4103	19.8	0.15	6.6	0.25	71.68	0.16	0.28	5005	1.31
S-T3-4104	18.2	0.15	6.6	0.25	96.45	0.15	0.24	2787	0.72
S-T3-4112	13.7	0.15	6.6	0.25	82.49	0.15	0.24	1987	0.38
S-T3-4302	6.9	0.15	6.6	0.25	89.65	0.16	0.26	1000	2.23
S-T3-4304	8.6	0.15	6.6	0.25	62.91	0.18	0.34	1293	6.76
S-T3-4504	65.5	0.15	6.6	0.25	86.64	0.15	0.25	9516	0.71
S-T3-508	29.2	0.15	6.6	0.25	47.30	0.15	0.25	4241	1.61
S-T3-612	57.2	0.15	6.6	0.25	53.96	0.15	0.25	11722	2.91
S-T3-807	16.5	0.15	6.6	0.25	36.03	0.16	0.27	2836	2.23
S-T3-907	32.1	0.15	6.6	0.25	39.30	0.15	0.24	4652	3.33

Table B.2 Landuse Summary

Land Use Code	Description	Area (ac)	Percent of Total Area
C	Commercial	572	10.7
IMP	Impervious	1139	21.3
IMP	Industrial	458	8.6
PF	Open Space- Fair	78	1.5
PG	Open Space- Good	394	7.4
PP	Open Space - Poor	12	0.2
R20	Residential - 1 acre	102	1.9
R25	Residential - 1/2 acre	317	5.9
R30	Residential - 1/3 acre	272	5.1
R38	Residential - 1/4 acre	579	10.8
R65	Residential - 1/8 acre or Less	1238	23.1
R12	Residential - 2 acre	80	1.5
POMD	Water	21	0.4
WF	Woods - Fair	12	0.2
WG	Woods - Good	77	1.4
<i>Totals</i>		5353	100.0

Table B.3 Area Weighted Calculations of Soil Based Parameters by Subbasin

Subbasin		Area (sf)	AreaPerv	Imp*Area	DSt*AreaP	Imp (%)	DStore Perv (in)	basin N Perv
Name	SCS_LU							
S-0106	I	177743.3	49768.1	127975.2	7465.2	54.49	0.15	0.26
	IMP	78496.8	1569.9	76926.8	235.5			
	PG	95947.5	95947.5	0.0	19189.5			
	POND	23562.5	23326.9	235.6	0.0			
	R30	46131.5	32292.0	13839.4	4843.8			
	R38	133806.7	82960.1	50846.5	12444.0			
	R65	313507.3	109727.6	203779.8	16459.1			
	x-Summary	869195.6	395592.2	473603.4	60637.2			
S-0204	I	51061.6	14297.2	36764.3	2144.6	68.96	0.15	0.24
	IMP	52156.0	1043.1	51112.9	156.5			
	POND	546.2	540.7	5.5	0.0			
	R25	204.7	153.6	51.2	23.0			
	R30	3332.3	2332.6	999.7	349.9			
	R38	15115.8	9371.8	5744.0	1405.8			
	R65	259179.2	90712.7	168466.5	13606.9			
	x-Summary	381595.8	118451.7	263144.0	17686.7			
S-0305	IMP	125765.8	2515.3	123250.5	377.3	63.07	0.14	0.22
	POND	17506.3	17331.2	175.1	0.0			
	R20	188.2	150.6	37.6	22.6			
	R25	19082.4	14311.8	4770.6	2146.8			
	R30	37487.0	26240.9	11246.1	3936.1			
	R38	84680.9	52502.1	32178.7	7875.3			
	R65	408877.2	143107.0	265770.2	21466.1			
	x-Summary	693587.7	256158.9	437428.7	35824.2			
S-0404	C	273608.5	41041.3	232567.3	6156.2	68.38	0.14	0.23
	IMP	216555.6	4331.1	212224.5	649.7			
	POND	21587.3	21371.4	215.9	0.0			
	R20	37003.9	29603.1	7400.8	4440.5			
	R30	82398.8	57679.2	24719.6	8651.9			
	R38	76338.0	47329.6	29008.5	7099.4			
	R65	663055.2	232069.3	430985.9	34810.4			
	x-Summary	1370547.4	433425.0	937122.4	61808.0			
S-0508	IMP	173379.6	3467.6	169912.0	520.1	76.75	0.15	0.24
	R25	136.4	102.3	34.1	15.3			
	R30	22.4	15.7	6.7	2.4			
	R38	8642.4	5358.3	3284.1	803.7			
	R65	284290.1	99501.5	184788.6	14925.2			
	x-Summary	466471.0	108445.4	358025.6	16266.8			
S-0605	I	36444.5	10204.5	26240.1	1530.7			
	IMP	186935.1	3738.7	183196.4	560.8			
	PG	81100.5	81100.5	0.0	16220.1			
	POND	37403.1	37029.1	374.0	0.0			
	R20	35767.8	28614.2	7153.6	4292.1			
	R25	48738.4	36553.8	12184.6	5483.1			

	R30	79691.7	55784.2	23907.5	8367.6			
	R38	156989.8	97333.7	59656.1	14600.1			
	R65	292165.0	102257.7	189907.2	15338.7			
	WG	31507.6	31507.6	0.0	7876.9			
	x-Summary	986743.5	484124.0	502619.5	74270.0	50.94	0.15	0.27
S-0716	C	76264.5	11439.7	64824.9	1716.0			
	I	42549.1	11913.8	30635.4	1787.1			
	IMP	700250.4	14005.0	686245.4	2100.8			
	PF	5523.9	5523.9	0.0	828.6			
	R25	64756.2	48567.2	16189.1	7285.1			
	R30	28101.2	19670.8	8430.3	2950.6			
	R38	107367.2	66567.7	40799.6	9985.2			
	R65	1558867.6	545603.7	1013264.0	81840.6			
	x-Summary	2583680.2	723291.7	1860388.6	108493.7	72.01	0.15	0.24
S-0906	IMP	102940.5	2058.8	100881.7	308.8			
	PG	20435.0	20435.0	0.0	4087.0			
	POND	14106.2	13965.1	141.1	0.0			
	R30	11909.2	8336.4	3572.8	1250.5			
	R65	611907.6	214167.6	397739.9	32125.1			
	WG	94809.1	94809.1	0.0	23702.3			
	x-Summary	856107.5	353772.1	502335.4	61473.7	58.68	0.17	0.31
S-10027	C	543429.6	81514.4	461915.2	12227.2			
	I	53183.8	14891.5	38292.4	2233.7			
	IMP	550311.0	11006.2	539304.8	1650.9			
	PP	3972.3	3972.3	0.0	595.8			
	R12	259912.9	228723.4	31189.5	34308.5			
	R20	138500.5	110800.4	27700.1	16620.1			
	R25	200485.5	150364.1	50121.4	22554.6			
	R30	54999.5	38499.7	16499.9	5775.0			
	R38	460876.6	285743.5	175133.1	42861.5			
	R65	175207.6	61322.7	113884.9	9198.4			
	WG	183780.4	183780.4	0.0	45945.1			
	x-Summary	2624659.9	1170618.6	1454041.3	193970.8	55.40	0.17	0.28
S-1004	IMP	77203.2	1544.1	75659.1	231.6			
	PG	188315.0	188315.0	0.0	37663.0			
	POND	44473.7	44029.0	444.7	0.0			
	R25	18067.8	13550.9	4517.0	2032.6			
	R30	14056.5	9839.5	4216.9	1475.9			
	R38	20041.7	12425.9	7615.9	1863.9			
	R65	121613.8	42564.8	79049.0	6384.7			
	WG	222859.1	222859.1	0.0	55714.8			
	x-Summary	706630.8	535128.2	171502.6	105366.5	24.27	0.20	0.38
S-10203	C	713582.8	107037.4	606545.4	16055.6			
	I	61583.2	17243.3	44339.9	2586.5			
	IMP	478547.3	9570.9	468976.3	1435.6			
	PG	26420.4	26420.4	0.0	5284.1			
	R25	187085.5	140314.2	46771.4	21047.1			

	R30	62681.5	43877.0	18804.4	6581.6			
	R38	31002.6	19221.6	11781.0	2883.2			
	R65	12531.6	4386.1	8145.6	657.9			
	x-Summary	1573434.9	368070.9	1205363.9	56531.7	76.61	0.15	0.25
S-10413	C	22944.5	3441.7	19502.8	516.3			
	IMP	228098.8	4562.0	223536.8	684.3			
	PG	1109385.4	1109385.4	0.0	221877.1			
	R12	172346.6	151665.0	20681.6	22749.7			
	R20	55895.0	44716.0	11179.0	6707.4			
	R25	160027.6	120020.7	40006.9	18003.1			
	R30	33227.0	23258.9	9968.1	3488.8			
	R38	153123.6	94936.7	58187.0	14240.5			
	R65	65796.4	23028.8	42767.7	3454.3			
	x-Summary	2000844.9	1575015.0	425829.9	291721.5	21.28	0.19	0.35
S-10517	C	897475.6	134621.3	762854.2	20193.2			
	IMP	250181.5	5003.6	245177.9	750.5			
	R38	64661.5	40090.2	24571.4	6013.5			
	R65	117284.0	41049.4	76234.6	6157.4			
	x-Summary	1329602.6	220764.5	1108838.1	33114.7	83.40	0.15	0.24
S-10602	C	78047.2	11707.1	66340.2	1756.1			
	IMP	267516.7	5350.3	262166.4	802.6			
	R25	40711.8	30533.8	10177.9	4580.1			
	R30	77262.0	54083.4	23178.6	8112.5			
	R38	476997.7	295738.6	181259.1	44360.8			
	R65	400015.2	140005.3	260009.9	21000.8			
	x-Summary	1340550.7	537418.6	803132.1	80612.8	59.91	0.15	0.24
S-10702	C	147660.4	22149.1	125511.3	3322.4			
	IMP	448913.2	8978.3	439935.0	1346.7			
	R12	234496.8	206357.2	28139.6	30953.6			
	R20	147977.1	118381.7	29595.4	17757.3			
	R25	260517.2	195387.9	65129.3	29308.2			
	R30	108154.7	75708.3	32446.4	11356.2			
	R38	597128.1	370219.4	226908.7	55532.9			
	R65	555043.9	194265.4	360778.5	29139.8			
	x-Summary	2499891.4	1191447.1	1308444.2	178717.1	52.34	0.15	0.24
S-10802	IMP	145552.7	2911.1	142641.6	436.7			
	R20	23791.1	19032.8	4758.2	2854.9			
	R25	125367.4	94025.5	31341.8	14103.8			
	R30	30526.6	21368.6	9158.0	3205.3			
	R38	704819.2	436987.9	267831.3	65548.2			
	R65	14058.0	4920.3	9137.7	738.0			
	x-Summary	1044114.9	579246.3	464868.6	86886.9	44.52	0.15	0.24
S-1101	I	89972.7	25192.4	64780.3	3778.9			
	IMP	369808.3	7396.2	362412.2	1109.4			
	PG	26886.7	26886.7	0.0	5377.3			
	POND	9314.4	9221.2	93.1	0.0			
	R25	113.1	84.9	28.3	12.7			

	R30	30087.6	21061.3	9026.3	3159.2			
	R38	47861.5	29674.1	18187.4	4451.1			
	R65	981003.3	343351.2	637652.1	51502.7			
	WG	3788.3	3788.3	0.0	947.1			
	x-Summary	1558835.9	466656.2	1092179.7	70338.4	70.06	0.15	0.25
S-11301	C	440108.9	66016.3	374092.6	9902.4			
	IMP	378094.3	7561.9	370532.4	1134.3			
	PF	45561.0	45561.0	0.0	6834.2			
	R25	134770.7	101078.0	33692.7	15161.7			
	R30	303186.9	212230.8	90956.1	31834.6			
	R38	517376.6	320773.5	196603.1	48116.0			
	R65	558288.5	195401.0	362887.5	29310.1			
	x-Summary	2377387.0	948622.6	1428764.3	142293.4	60.10	0.15	0.24
S-11413	C	10816.9	1622.5	9194.4	243.4			
	IMP	487094.6	9741.9	477352.7	1461.3			
	PG	21539.8	21539.8	0.0	4308.0			
	R25	24474.1	18355.5	6118.5	2753.3			
	R30	74318.3	52022.8	22295.5	7803.4			
	R38	130616.4	80982.2	49634.2	12147.3			
	R65	550203.7	192571.3	357632.4	28885.7			
	x-Summary	1299063.7	376836.0	922227.7	57602.4	70.99	0.15	0.25
S-11503	C	228087.2	34213.1	193874.1	5132.0			
	IMP	110573.6	2211.5	108362.1	331.7			
	R12	75507.8	66446.8	9060.9	9967.0			
	R20	31654.4	25323.5	6330.9	3798.5			
	R25	132757.7	99568.3	33189.4	14935.2			
	R30	7115.3	4980.7	2134.6	747.1			
	R38	198897.7	123316.6	75581.1	18497.5			
	R65	120891.1	42311.9	78579.2	6346.8			
	WG	34224.6	34224.6	0.0	8556.2			
	x-Summary	939709.3	432596.9	507112.3	68312.0	53.96	0.16	0.26
S-11601	C	118752.9	17812.9	100940.0	2671.9			
	IMP	184065.9	3681.3	180384.6	552.2			
	R30	57855.2	40498.6	17356.6	6074.8			
	R38	374762.0	232352.5	142409.6	34852.9			
	R65	140267.6	49093.7	91173.9	7364.0			
	x-Summary	875703.7	343439.0	532264.6	51515.9	60.78	0.15	0.24
S-11701	C	407068.6	61060.3	346008.3	9159.0			
	IMP	86695.3	1733.9	84961.4	260.1			
	R38	1212.9	752.0	460.9	112.8			
	x-Summary	494976.8	63546.2	431430.6	9531.9	87.16	0.15	0.24
S-1205	C	10442.6	1566.4	8876.2	235.0			
	I	9206.0	2577.7	6628.3	386.7			
	IMP	346776.1	6935.5	339840.6	1040.3			
	PG	86834.8	86834.8	0.0	17367.0			
	POND	18442.9	18258.4	184.4	0.0			
	R25	29624.2	22218.2	7406.1	3332.7			

	R30	42498.3	29748.8	12749.5	4462.3			
	R38	227455.3	141022.3	86433.0	21153.3			
	R65	927610.0	324663.5	602946.5	48699.5			
	WG	31346.5	31346.5	0.0	7836.6			
	x-Summary	1730236.7	665172.1	1065064.6	104513.4	61.56	0.16	0.27
S-12314	IMP	55814.1	1116.3	54697.8	167.4			
	R25	15584.8	11688.6	3896.2	1753.3			
	R30	13070.1	9149.1	3921.0	1372.4			
	R38	257881.2	159886.4	97994.9	23983.0			
	R65	89764.8	31417.7	58347.1	4712.6			
	x-Summary	432115.0	213258.0	218857.0	31988.7	50.65	0.15	0.24
S-12402	I	164910.6	46175.0	118735.6	6926.2			
	IMP	244589.9	4891.8	239698.1	733.8			
	PG	1161395.7	1161395.7	0.0	232279.1			
	R12	811567.2	714179.1	97388.1	107126.9			
	R20	186032.4	148825.9	37206.5	22323.9			
	R25	175813.9	131860.4	43953.5	19779.1			
	R30	1369.7	958.8	410.9	143.8			
	R38	51893.0	32173.7	19719.4	4826.1			
	R65	157521.9	55132.7	102389.2	8269.9			
	x-Summary	2955094.3	2295593.0	659501.3	402408.7	22.32	0.18	0.32
S-12813	I	553649.5	155021.8	398627.6	23253.3			
	IMP	87477.6	1749.6	85728.1	262.4			
	PG	735048.3	735048.3	0.0	147009.7			
	R20	46397.3	37117.9	9279.5	5567.7			
	R25	5791.2	4343.4	1447.8	651.5			
	R30	30504.9	21353.4	9151.5	3203.0			
	R38	8903.1	5519.9	3383.2	828.0			
	R65	25644.3	8975.5	16668.8	1346.3			
	WF	41615.3	41615.3	0.0	8323.1			
	x-Summary	1535031.6	1010745.2	524286.4	190445.0	34.15	0.19	0.36
S-12901	IMP	23096.5	461.9	22634.5	69.3			
	PG	1184901.0	1184901.0	0.0	236980.2			
	x-Summary	1207997.5	1185363.0	22634.5	237049.5	1.87	0.20	0.40
S-1308	C	204037.7	30605.7	173432.1	4590.8			
	I	462874.3	129604.8	333269.5	19440.7			
	IMP	513451.4	10269.0	503182.4	1540.4			
	PF	5578.8	5578.8	0.0	836.8			
	POND	434.0	429.6	4.3	0.0			
	PP	460.4	460.4	0.0	69.1			
	R25	54543.1	40907.3	13635.8	6136.1			
	R30	19875.3	13912.7	5962.6	2086.9			
	R38	41137.2	25505.1	15632.2	3825.8			
	R65	644994.6	225748.1	419246.5	33862.2			
	x-Summary	1947386.8	483021.6	1464365.3	72388.8	75.20	0.15	0.24
S-13207	C	77921.9	11688.3	66233.6	1753.2			
	IMP	177092.9	3541.9	173551.1	531.3			

	PG	139254.3	139254.3	0.0	27850.9			
	R25	147817.5	110863.1	36954.4	16629.5			
	R30	37826.8	26478.8	11348.0	3971.8			
	R38	177956.3	110332.9	67623.4	16549.9			
	R65	665653.8	232978.8	432675.0	34946.8			
	WG	60451.2	60451.2	0.0	15112.8			
	x-Summary	1483974.7	695589.3	788385.4	117346.2	53.13	0.17	0.29
S-13818	C	44587.3	6688.1	37899.2	1003.2			
	IMP	449485.7	8989.7	440496.0	1348.5			
	R20	36071.3	28857.1	7214.3	4328.6			
	R25	267733.8	200800.4	66933.5	30120.1			
	R30	373899.2	261729.5	112169.8	39259.4			
	R38	531540.7	329555.2	201985.5	49433.3			
	R65	1147584.0	401654.4	745929.6	60248.2			
	WG	70411.6	70411.6	0.0	17602.9			
	x-Summary	2921313.7	1308686.0	1612627.7	203344.1	55.20	0.16	0.25
S-13910	I	54571.1	15279.9	39291.2	2292.0			
	IMP	227949.2	4559.0	223390.2	683.8			
	PF	9536.8	9536.8	0.0	1430.5			
	PG	51173.8	51173.8	0.0	10234.8			
	R12	195551.3	172085.1	23466.2	25812.8			
	R20	288773.7	231019.0	57754.7	34652.8			
	R25	337386.9	253040.2	84346.7	37956.0			
	R30	124369.6	87058.7	37310.9	13058.8			
	R38	127058.5	78776.3	48282.2	11816.4			
	R65	114101.2	39935.4	74165.8	5990.3			
	x-Summary	1530472.1	942464.2	588007.9	143928.3	38.42	0.15	0.25
S-14003	IMP	222202.9	4444.1	217758.9	666.6			
	PG	17687.7	17687.7	0.0	3537.5			
	R25	100623.0	75467.3	25155.8	11320.1			
	R30	67405.5	47183.8	20221.6	7077.6			
	R38	892117.0	553112.6	339004.5	82966.9			
	R65	58376.2	20431.7	37944.5	3064.8			
	x-Summary	1358412.4	718327.1	640085.3	108633.5	47.12	0.15	0.24
S-1406	C	636984.3	95547.7	541436.7	14332.1			
	I	11301.2	3164.3	8136.8	474.6			
	IMP	198645.4	3972.9	194672.5	595.9			
	PP	2959.0	2959.0	0.0	443.9			
	R25	39398.4	29548.8	9849.6	4432.3			
	R30	82.6	57.8	24.8	8.7			
	R38	37275.6	23110.8	14164.7	3466.6			
	R65	516228.2	180679.9	335548.3	27102.0			
	x-Summary	1442874.7	339041.3	1103833.4	50856.2	76.50	0.15	0.24
S-14103	IMP	571271.1	11425.4	559845.7	1713.8			
	PG	10309.8	10309.8	0.0	2062.0			
	R12	89656.4	78897.6	10758.8	11834.6			
	R25	285735.0	214301.2	71433.7	32145.2			

	R30	26950.7	18865.5	8085.2	2829.8			
	R38	1618017.9	1003171.1	614846.8	150475.7			
	R65	82824.4	28988.5	53835.8	4348.3			
	x-Summary	2684765.2	1365959.1	1318806.1	205409.4	49.12	0.15	0.24
S-14701	I	5803.0	1624.8	4178.2	243.7			
	IMP	99760.5	1995.2	97765.3	299.3			
	PG	210179.8	210179.8	0.0	42036.0			
	R25	29002.1	21751.5	7250.5	3262.7			
	R30	35226.3	24658.4	10567.9	3698.8			
	R65	284614.8	99615.2	184999.6	14942.3			
	WF	10659.4	10659.4	0.0	2131.9			
	x-Summary	675245.8	370484.4	304761.4	66614.6	45.13	0.18	0.34
S-14801	C	99729.4	14959.4	84770.0	2243.9			
	I	255673.9	71588.7	184085.2	10738.3			
	IMP	443208.3	8864.2	434344.2	1329.6			
	PG	88951.0	88951.0	0.0	17790.2			
	R12	182356.4	160473.7	21882.8	24071.0			
	R20	315979.6	252783.7	63195.9	37917.6			
	R25	344489.5	258367.1	86122.4	38755.1			
	R30	241959.2	169371.5	72587.8	25405.7			
	R38	111512.5	69137.8	42374.8	10370.7			
	R65	190276.6	66596.8	123679.8	9989.5			
	WG	28899.8	28899.8	0.0	7224.9			
	x-Summary	2303036.3	1189993.6	1113042.8	185836.6	48.33	0.16	0.26
S-14908	I	59371.1	16623.9	42747.2	2493.6			
	IMP	520287.6	10405.8	509881.9	1560.9			
	PF	4124.4	4124.4	0.0	618.7			
	PG	1347.2	1347.2	0.0	269.4			
	R25	145690.8	109268.1	36422.7	16390.2			
	R30	160948.4	112663.9	48284.5	16899.6			
	R38	1033639.9	640856.8	392783.2	96128.5			
	R65	1242650.9	434927.8	807723.1	65239.2			
	x-Summary	3168060.4	1330217.9	1837842.5	199600.0	58.01	0.15	0.24
S-1504	C	64542.5	9681.4	54861.1	1452.2			
	I	257710.8	72159.0	185551.8	10823.9			
	IMP	109791.8	2195.8	107596.0	329.4			
	R30	39980.3	27986.2	11994.1	4197.9			
	R65	130314.5	45610.1	84704.5	6841.5			
	x-Summary	602339.9	157632.5	444707.4	23644.9	73.83	0.15	0.24
S-1610	I	175210.2	49058.9	126151.4	7358.8			
	IMP	203198.8	4064.0	199134.8	609.6			
	POND	29314.4	29021.2	293.1	0.0			
	R25	1892.2	1419.2	473.1	212.9			
	R30	30223.7	21156.6	9067.1	3173.5			
	R38	56407.7	34972.8	21434.9	5245.9			
	R65	624665.2	218632.8	406032.4	32794.9			
	WG	145805.9	145805.9	0.0	36451.5			

	x-Summary	1266718.1	504131.3	762586.8	85847.1	60.20	0.17	0.30
S-1705	I	39773.3	11136.5	28636.8	1670.5			
	IMP	262419.4	5248.4	257171.0	787.3			
	R38	6434.8	3989.6	2445.2	598.4			
	R65	705465.6	246913.0	458552.6	37036.9			
	x-Summary	1014093.1	267287.4	746805.7	40093.1	73.64	0.15	0.24
S-1806	C	83215.1	12482.3	70732.9	1872.3			
	I	200764.7	56214.1	144550.6	8432.1			
	IMP	72035.7	1440.7	70595.0	216.1			
	PF	44696.8	44696.8	0.0	6704.5			
	POND	34858.8	34510.2	348.6	0.0			
	R25	15806.3	11854.7	3951.6	1778.2			
	R30	58477.5	40934.3	17543.3	6140.1			
	R38	58860.4	36493.4	22366.9	5474.0			
	R65	283513.2	99229.6	184283.6	14884.4			
	x-Summary	852228.5	337856.1	514372.4	45501.9	60.36	0.13	0.22
S-1907	C	1880725.9	282108.9	1598617.0	42316.3			
	I	88393.2	24750.1	63643.1	3712.5			
	IMP	508410.9	10168.2	498242.7	1525.2			
	PF	32956.8	32956.8	0.0	4943.5			
	PG	23262.9	23262.9	0.0	4652.6			
	POND	76872.2	76103.4	768.7	0.0			
	R25	73268.0	54951.0	18317.0	8242.7			
	R30	142010.8	99407.6	42603.2	14911.1			
	R38	79307.6	49170.7	30136.9	7375.6			
	R65	1065539.1	372938.7	692600.4	55940.8			
	WF	247.9	247.9	0.0	49.6			
	WG	35438.7	35438.7	0.0	8859.7			
	x-Summary	4006434.0	1061504.9	2944929.1	152529.6	73.50	0.14	0.24
S-2010	C	127646.3	19146.9	108499.3	2872.0			
	I	97546.6	27313.0	70233.5	4097.0			
	IMP	226437.1	4528.7	221908.4	679.3			
	PF	5393.2	5393.2	0.0	809.0			
	PG	50668.0	50668.0	0.0	10133.6			
	POND	5801.0	5743.0	58.0	0.0			
	R20	53132.5	42506.0	10626.5	6375.9			
	R25	2574.5	1930.9	643.6	289.6			
	R30	19098.6	13369.0	5729.6	2005.4			
	R38	24864.6	15416.1	9448.6	2312.4			
	R65	931869.9	326154.5	605715.4	48923.2			
	x-Summary	1545032.4	512169.4	1032862.9	78497.4	66.85	0.15	0.25
S-2121	C	414288.6	62143.3	352145.3	9321.5			
	I	64853.2	18158.9	46694.3	2723.8			
	IMP	373750.9	7475.0	366275.9	1121.3			
	POND	14773.2	14625.5	147.7	0.0			
	R25	5958.4	4468.8	1489.6	670.3			
	R30	45248.6	31674.0	13574.6	4751.1			

	R38	69264.3	42943.8	26320.4	6441.6			
	R65	807813.6	282734.8	525078.9	42410.2			
	WG	135092.8	135092.8	0.0	33773.2			
	x-Summary	1931043.7	599317.0	1331726.7	101213.0	68.96	0.17	0.29
S-2406	C	8568.2	1285.2	7282.9	192.8			
	IMP	184428.5	3688.6	180739.9	553.3			
	PG	273.4	273.4	0.0	54.7			
	R30	1954.9	1368.4	586.5	205.3			
	R38	38163.7	23661.5	14502.2	3549.2			
	R65	766490.2	268271.6	498218.6	40240.7			
	WF	34365.1	34365.1	0.0	6873.0			
	x-Summary	1034244.0	332913.8	701330.2	51669.0	67.81	0.16	0.26
S-2501	C	766099.9	114915.0	651184.9	17237.2			
	I	906691.3	253873.6	652817.7	38081.0			
	IMP	102656.6	2053.1	100603.5	308.0			
	POND	27738.8	27461.4	277.4	0.0			
	WF	21138.3	21138.3	0.0	4227.7			
	WG	793434.0	793434.0	0.0	198358.5			
	x-Summary	2617758.9	1212875.4	1404883.5	258212.4	53.67	0.21	0.41
S-2511	I	2395087.2	670624.4	1724462.8	100593.7			
	IMP	93185.6	1863.7	91321.8	279.6			
	PG	80582.8	80582.8	0.0	16116.6			
	x-Summary	2568855.6	753070.9	1815784.6	116989.8	70.68	0.16	0.26
S-2709	C	241877.5	36281.6	205595.9	5442.2			
	I	1599361.7	447821.3	1151540.5	67173.2			
	IMP	348.6	7.0	341.6	1.0			
	PF	558622.8	558622.8	0.0	83793.4			
	POND	66961.7	66292.1	669.6	0.0			
	x-Summary	2467172.3	1109024.8	1358147.5	156409.9	55.05	0.14	0.26
S-2803	I	1047796.3	293383.0	754413.3	44007.4			
	IMP	121391.3	2427.8	118963.5	364.2			
	POND	2.9	2.9	0.0	0.0			
	PP	350764.7	350764.7	0.0	52614.7			
	x-Summary	1519955.2	646578.4	873376.8	96986.3	57.46	0.15	0.25
S-3015	C	271017.9	40652.7	230365.2	6097.9			
	I	39434.7	11041.7	28393.0	1656.3			
	IMP	292563.5	5851.3	286712.3	877.7			
	PF	3948.1	3948.1	0.0	592.2			
	R30	25287.5	17701.3	7586.3	2655.2			
	R38	105860.0	65633.2	40226.8	9845.0			
	R65	302277.8	105797.2	196480.6	15869.6			
	x-Summary	1040389.6	250625.5	789764.1	37593.8	75.91	0.15	0.24
S-3105	C	1039439.0	155915.8	883523.1	23387.4			
	I	352689.9	98753.2	253936.7	14813.0			
	IMP	247397.4	4947.9	242449.5	742.2			
	PG	351352.6	351352.6	0.0	70270.5			
	x-Summary	1990878.9	610969.6	1379909.3	109213.1	69.31	0.18	0.33

S-3306	C	216330.8	32449.6	183881.2	4867.4			
	I	110333.2	30893.3	79439.9	4634.0			
	IMP	434130.5	8682.6	425447.9	1302.4			
	PF	72216.6	72216.6	0.0	10832.5			
	PG	21030.7	21030.7	0.0	4206.1			
	POND	31113.8	30802.7	311.1	0.0			
	R20	18014.2	14411.4	3602.8	2161.7			
	R38	32932.6	20418.2	12514.4	3062.7			
	R65	941989.9	329696.5	612293.5	49454.5			
	x-Summary	1878092.4	560601.6	1317490.9	80521.4	70.15	0.14	0.24
S-3410	C	54347.2	8152.1	46195.1	1222.8			
	I	409145.7	114560.8	294584.9	17184.1			
	IMP	466038.6	9320.8	456717.8	1398.1			
	PG	726.2	726.2	0.0	145.2			
	POND	252.0	249.5	2.5	0.0			
	R25	13866.7	10400.1	3466.7	1560.0			
	R30	48840.6	34188.4	14652.2	5128.3			
	R38	64115.3	39751.5	24363.8	5962.7			
	R65	1654377.6	579032.2	1075345.4	86854.8			
	x-Summary	2711709.9	796381.4	1915328.5	119456.1	70.63	0.15	0.24
S-3515	I	22008.5	6162.4	15846.1	924.4			
	IMP	679950.6	13599.0	666351.6	2039.9			
	PF	27448.3	27448.3	0.0	4117.2			
	POND	396.7	392.7	4.0	0.0			
	R30	113636.4	79545.5	34090.9	11931.8			
	R38	642859.8	398573.1	244286.7	59786.0			
	R65	1830623.5	640718.2	1189905.3	96107.7			
	x-Summary	3316923.8	1166439.2	2150484.6	174907.0	64.83	0.15	0.24
S-3606	I	31516.0	8824.5	22691.5	1323.7			
	IMP	299575.4	5991.5	293583.8	898.7			
	PF	36653.8	36653.8	0.0	5498.1			
	R25	11897.8	8923.4	2974.5	1338.5			
	R30	80852.9	56597.0	24255.9	8489.6			
	R38	180797.4	112094.4	68703.0	16814.2			
	R65	727551.3	254643.0	472908.4	38196.4			
	x-Summary	1368844.5	483727.5	885117.0	72559.1	64.66	0.15	0.24
S-3701	I	5981.3	1674.8	4306.5	251.2			
	IMP	99959.6	1999.2	97960.4	299.9			
	PF	4567.8	4567.8	0.0	685.2			
	R38	42614.8	26421.2	16193.6	3963.2			
	R65	240920.3	84322.1	156598.2	12648.3			
	x-Summary	394043.7	118985.0	275058.7	17847.7	69.80	0.15	0.24
S-4010	C	513258.2	76988.7	436269.4	11548.3			
	I	4185.2	1171.9	3013.4	175.8			
	IMP	502893.8	10057.9	492835.9	1508.7			
	R25	20259.8	15194.8	5064.9	2279.2			
	R30	60739.7	42517.8	18221.9	6377.7			

	R38	156277.9	96892.3	59385.6	14533.8			
	R65	702990.9	246046.8	456944.1	36907.0			
	x-Summary	1960605.5	488870.2	1471735.3	73330.5	75.07	0.15	0.24
S-4403	C	197881.2	29682.2	168199.0	4452.3			
	I	34041.6	9531.6	24510.0	1429.7			
	IMP	200084.9	4001.7	196083.2	600.3			
	POND	126.6	125.3	1.3	0.0			
	R38	942.3	584.2	358.1	87.6			
	R65	86753.3	30363.7	56389.7	4554.5			
	x-Summary	519829.8	74288.7	445541.1	11124.5	85.71	0.15	0.24
S-4705	C	499065.7	74859.9	424205.8	11229.0			
	IMP	105905.2	2118.1	103787.1	317.7			
	POND	21927.8	21708.6	219.3	0.0			
	R25	19536.5	14652.3	4884.1	2197.9			
	R65	186355.9	65224.6	121131.3	9783.7			
	x-Summary	832791.0	178563.4	654227.6	23528.2	78.56	0.13	0.21
S-4903	C	810339.5	121550.9	688788.6	18232.6			
	IMP	159803.5	3196.1	156607.4	479.4			
	PF	9909.4	9909.4	0.0	1486.4			
	POND	55.7	55.1	0.6	0.0			
	x-Summary	980108.1	134711.5	845396.6	20198.5	86.26	0.15	0.24
S-4907	C	339396.7	50909.5	288487.2	7636.4			
	IMP	438761.1	8775.2	429985.9	1316.3			
	PG	16496.6	16496.6	0.0	3299.3			
	R20	3050.9	2440.7	610.2	366.1			
	R30	13363.0	9354.1	4008.9	1403.1			
	R38	19637.1	12175.0	7462.1	1826.3			
	R65	8224.1	2878.4	5345.7	431.8			
	WF	13546.5	13546.5	0.0	2709.3			
	x-Summary	852476.0	116576.1	735899.9	18988.6	86.33	0.16	0.28
S-5307	C	222653.6	33398.0	189255.5	5009.7			
	IMP	218746.0	4374.9	214371.1	656.2			
	PF	40490.9	40490.9	0.0	6073.6			
	POND	504.0	499.0	5.0	0.0			
	PP	22894.3	22894.3	0.0	3434.1			
	R25	1092.8	819.6	273.2	122.9			
	R38	38128.6	23639.8	14488.9	3546.0			
	R65	201260.2	70441.1	130819.1	10566.2			
	x-Summary	745770.4	196557.5	549212.9	29408.8	73.64	0.15	0.25
S-5408	IMP	109924.8	2198.5	107726.3	329.8			
	R20	9222.4	7377.9	1844.5	1106.7			
	R25	42565.4	31924.0	10641.3	4788.6			
	R38	241876.0	149963.1	91912.9	22494.5			
	R65	184130.7	64445.7	119684.9	9666.9			
	WF	25056.8	25056.8	0.0	5011.4			
	x-Summary	612776.0	280966.1	331809.9	43397.8	54.15	0.15	0.25
S-5608	C	0.0	0.0	0.0	0.0			

	IMP	243986.3	4879.7	239106.6	732.0			
	PF	48231.1	48231.1	0.0	7234.7			
	PG	94267.0	94267.0	0.0	18853.4			
	R20	28806.3	23045.0	5761.3	3456.8			
	R25	40102.4	30076.8	10025.6	4511.5			
	R30	10247.1	7173.0	3074.1	1075.9			
	R38	77190.0	47857.8	29332.2	7178.7			
	R65	233151.3	81602.9	151548.3	12240.4			
	x-Summary	775981.6	337133.4	438848.1	55283.4	56.55	0.16	0.29
S-5703	IMP	152345.0	3046.9	149298.1	457.0			
	PG	76827.9	76827.9	0.0	15365.6			
	R38	83637.2	51855.1	31782.2	7778.3			
	R65	164833.9	57691.9	107142.0	8653.8			
	x-Summary	477644.0	189421.7	288222.3	32254.6	60.34	0.17	0.30
S-5904	C	126916.7	19037.5	107879.2	2855.6			
	IMP	321913.5	6438.3	315475.2	965.7			
	PF	37193.9	37193.9	0.0	5579.1			
	PG	4551.6	4551.6	0.0	910.3			
	PP	3274.7	3274.7	0.0	491.2			
	R25	2424.6	1818.5	606.2	272.8			
	R65	43399.1	15189.7	28209.4	2278.5			
	x-Summary	539674.1	87504.1	452169.9	13353.2	83.79	0.15	0.27
S-6005	C	55.8	8.4	47.4	1.3			
	IMP	129327.1	2586.5	126740.6	388.0			
	PF	88582.2	88582.2	0.0	13287.3			
	PG	126230.3	126230.3	0.0	25246.1			
	R25	59237.3	44427.9	14809.3	6664.2			
	R38	19055.9	11814.7	7241.3	1772.2			
	R65	96830.8	33890.8	62940.0	5083.6			
	x-Summary	519319.5	307540.9	211778.6	52442.6	40.78	0.17	0.32
S-6104	I	154790.4	43341.3	111449.1	6501.2			
	IMP	763.7	15.3	748.4	2.3			
	PG	2197928.6	2197928.6	0.0	439585.7			
	R65	115252.0	40338.2	74913.8	6050.7			
	x-Summary	2468734.7	2281623.4	187111.3	452139.9	7.58	0.20	0.39
S-6205	I	213159.6	59684.7	153474.9	8952.7			
	IMP	293429.9	5868.6	287561.3	880.3			
	PG	539909.9	539909.9	0.0	107982.0			
	R30	15395.5	10776.9	4618.7	1616.5			
	R38	49064.2	30419.8	18644.4	4563.0			
	R65	1989.3	696.2	1293.0	104.4			
	x-Summary	1112948.4	647356.1	465592.4	124098.9	41.83	0.19	0.37
S-6506	IMP	179595.4	3591.9	176003.4	538.8			
	PG	184.5	184.5	0.0	36.9			
	R25	6174.1	4630.6	1543.5	694.6			
	R30	2385.8	1670.0	715.7	250.5			
	R38	19106.7	11846.2	7260.5	1776.9			

	R65	576147.0	201651.4	374495.5	30247.7			
	x-Summary	783593.4	223574.6	560018.8	33545.4	71.47	0.15	0.24
S-6603	IMP	71540.0	1430.8	70109.2	214.6			
	PG	1105086.1	1105086.1	0.0	221017.2			
	R25	28850.5	21637.9	7212.6	3245.7			
	R65	354840.7	124194.3	230646.5	18629.1			
	x-Summary	1560317.3	1252349.1	307968.3	243106.7	19.74	0.19	0.38
S-6610	C	18620.6	2793.1	15827.5	419.0			
	IMP	458865.1	9177.3	449687.8	1376.6			
	PG	514.1	514.1	0.0	102.8			
	R12	65674.6	57793.6	7881.0	8669.0			
	R20	43131.6	34505.3	8626.3	5175.8			
	R25	275772.6	206829.4	68943.1	31024.4			
	R30	558626.4	391038.5	167587.9	58655.8			
	R38	761272.8	471989.1	289283.7	70798.4			
	R65	521291.8	182452.1	338839.7	27367.8			
	WG	172838.5	172838.5	0.0	43209.6			
	x-Summary	2876608.1	1529931.0	1346677.0	246799.2	46.81	0.16	0.27
S-6804	I	86591.1	24245.5	62345.6	3636.8			
	IMP	93440.9	1868.8	91572.1	280.3			
	PG	21288.9	21288.9	0.0	4257.8			
	R20	33961.0	27168.8	6792.2	4075.3			
	R25	17594.5	13195.9	4398.6	1979.4			
	R30	28634.7	20044.3	8590.4	3006.6			
	R38	65042.8	40326.5	24716.3	6049.0			
	R65	328158.3	114855.4	213302.9	17228.3			
	x-Summary	674712.3	262994.2	411718.1	40513.6	61.02	0.15	0.25
S-6903	IMP	127471.1	2549.4	124921.7	382.4			
	R25	18874.5	14155.9	4718.6	2123.4			
	R30	29509.0	20656.3	8852.7	3098.4			
	R38	72800.6	45136.3	27664.2	6770.5			
	R65	203097.2	71084.0	132013.2	10662.6			
	x-Summary	451752.4	153582.0	298170.4	23037.3	66.00	0.15	0.24
S-7207	C	30749.7	4612.5	26137.2	691.9			
	I	90288.7	25280.8	65007.9	3792.1			
	IMP	137153.9	2743.1	134410.9	411.5			
	PG	59522.9	59522.9	0.0	11904.6			
	R25	25009.3	18757.0	6252.3	2813.5			
	R30	25931.1	18151.8	7779.3	2722.8			
	R38	77592.2	48107.2	29485.0	7216.1			
	R65	342097.1	119734.0	222363.1	17960.1			
	x-Summary	788345.0	296909.2	491435.8	47512.5	62.34	0.16	0.27
S-7511	I	65537.0	18350.4	47186.6	2752.6			
	IMP	358755.1	7175.1	351580.0	1076.3			
	PG	90679.3	90679.3	0.0	18135.9			
	R12	158426.7	139415.5	19011.2	20912.3			
	R20	168650.4	134920.3	33730.1	20238.0			

	R25	113482.6	85112.0	28370.7	12766.8			
	R30	54715.7	38301.0	16414.7	5745.2			
	R38	109027.6	67597.1	41430.5	10139.6			
	R65	713462.5	249711.9	463750.6	37456.8			
	x-Summary	1832736.9	831262.5	1001474.4	129223.3	54.64	0.16	0.26
S-7604	I	85861.6	24041.3	61820.4	3606.2			
	IMP	112607.1	2252.1	110354.9	337.8			
	R30	17682.8	12378.0	5304.8	1856.7			
	R38	18298.3	11344.9	6953.4	1701.7			
	R65	304316.0	106510.6	197805.4	15976.6			
	x-Summary	538765.8	156526.9	382238.9	23479.0	70.95	0.15	0.24
S-8007	C	32429.9	4864.5	27565.4	729.7			
	I	162448.2	45485.5	116962.7	6822.8			
	IMP	153863.3	3077.3	150786.1	461.6			
	PF	76387.2	76387.2	0.0	11458.1			
	PG	213123.4	213123.4	0.0	42624.7			
	R30	31110.4	21777.3	9333.1	3266.6			
	R38	79648.4	49382.0	30266.4	7407.3			
	R65	192161.4	67256.5	124904.9	10088.5			
	x-Summary	941172.3	481353.7	459818.6	82859.2	48.86	0.17	0.32
S-8506	C	18723.9	2808.6	15915.4	421.3			
	IMP	190809.4	3816.2	186993.2	572.4			
	PG	24867.0	24867.0	0.0	4973.4			
	R12	144230.7	126923.0	17307.7	19038.4			
	R30	30162.8	21114.0	9048.8	3167.1			
	R38	94066.7	58321.3	35745.3	8748.2			
	R65	479425.8	167799.0	311626.8	25169.9			
	x-Summary	982286.4	405649.2	576637.3	62090.7	58.70	0.15	0.25
S-8716	C	438955.4	65843.3	373112.1	9876.5			
	I	188638.5	52818.8	135819.7	7922.8			
	IMP	188659.8	3773.2	184886.6	566.0			
	R30	17962.7	12573.9	5388.8	1886.1			
	R38	6174.1	3827.9	2346.1	574.2			
	WF	22079.8	22079.8	0.0	4416.0			
	WG	225.8	225.8	0.0	56.4			
	x-Summary	862696.0	161142.7	701553.3	25298.0	81.32	0.16	0.26
S-8804	I	366450.9	102606.3	263844.7	15390.9			
	IMP	147643.9	2952.9	144691.0	442.9			
	R12	68900.9	60632.8	8268.1	9094.9			
	R20	36232.6	28986.1	7246.5	4347.9			
	R25	10715.6	8036.7	2678.9	1205.5			
	R30	48147.4	33703.2	14444.2	5055.5			
	R38	85603.0	53073.9	32529.1	7961.1			
	R65	436662.3	152831.8	283830.5	22924.8			
	WG	77383.2	77383.2	0.0	19345.8			
	x-Summary	1277739.9	520206.8	757533.1	85769.3	59.29	0.16	0.28
S-8904	IMP	43.4	0.9	42.5	0.1			

	R25	17444.2	13083.1	4361.0	1962.5			
	R30	12993.7	9095.6	3898.1	1364.3			
	R38	102536.8	63572.8	38964.0	9535.9			
	WG	141771.5	141771.5	0.0	35442.9			
	x-Summary	274789.6	227523.9	47265.7	48305.7	17.20	0.21	0.40
S-9004	C	66191.4	9928.7	56262.7	1489.3			
	I	474166.7	132766.7	341400.0	19915.0			
	IMP	390990.9	7819.8	383171.1	1173.0			
	PG	154231.9	154231.9	0.0	30846.4			
	R25	34738.2	26053.6	8684.5	3908.0			
	R30	47290.5	33103.3	14187.1	4965.5			
	R38	305169.0	189204.8	115964.2	28380.7			
	R65	1450406.6	507642.3	942764.3	76146.3			
	WF	59108.6	59108.6	0.0	11821.7			
	WG	55808.3	55808.3	0.0	13952.1			
	x-Summary	3038102.0	1175668.0	1862434.0	192598.1	61.30	0.16	0.28
S-9206	C	925384.6	138807.7	786576.9	20821.2			
	IMP	251726.2	5034.5	246691.7	755.2			
	R25	54294.8	40721.1	13573.7	6108.2			
	R30	133153.8	93207.7	39946.1	13981.1			
	R38	553878.6	343404.7	210473.9	51510.7			
	R65	64538.9	22588.6	41950.3	3388.3			
	WG	417557.3	417557.3	0.0	104389.3			
	x-Summary	2400534.1	1061321.6	1339212.5	200954.0	55.79	0.19	0.34
S-9404	C	884065.9	132609.9	751456.0	19891.5			
	I	710386.2	198908.1	511478.1	29836.2			
	IMP	254439.1	5088.8	249350.4	763.3			
	PF	35828.5	35828.5	0.0	5374.3			
	R25	12155.8	9116.9	3039.0	1367.5			
	R30	10215.8	7151.0	3064.7	1072.7			
	R38	14551.8	9022.1	5529.7	1353.3			
	R65	124703.6	43646.3	81057.4	6546.9			
	WG	240.1	240.1	0.0	60.0			
	x-Summary	2046587.0	441611.7	1604975.2	66265.8	78.42	0.15	0.25
S-9607	C	292126.9	43819.0	248307.8	6572.9			
	IMP	346050.7	6921.0	339129.6	1038.2			
	R25	11227.3	8420.5	2806.8	1263.1			
	R30	141039.9	98727.9	42312.0	14809.2			
	R38	282370.2	175069.5	107300.7	26260.4			
	R65	408357.0	142924.9	265432.0	21438.7			
	x-Summary	1481171.9	475882.9	1005289.0	71382.4	67.87	0.15	0.24
S-T1-1004	IMP	281909.9	5638.2	276271.7	845.7			
	PF	5353.6	5353.6	0.0	803.0			
	R30	1102.8	771.9	330.8	115.8			
	R38	34821.9	21589.6	13232.3	3238.4			
	R65	135424.7	47398.6	88026.0	7109.8			
	WG	277.8	277.8	0.0	69.5			

	x-Summary	458890.5	81029.7	377860.8	12182.2	82.34	0.15	0.24
S-T1-104	C	318372.0	47755.8	270616.2	7163.4			
	I	70197.5	19655.3	50542.2	2948.3			
	IMP	83169.4	1663.4	81506.0	249.5			
	PF	63692.4	63692.4	0.0	9553.9			
	POND	8091.5	8010.5	80.9	0.0			
	WG	108311.8	108311.8	0.0	27077.9			
	x-Summary	651834.6	249089.2	402745.4	46993.0	61.79	0.19	0.36
S-T1-1104	C	170084.7	25512.7	144572.0	3826.9			
	I	211431.7	59200.9	152230.8	8880.1			
	IMP	97752.1	1955.0	95797.0	293.3			
	PF	73594.3	73594.3	0.0	11039.2			
	WF	794.6	794.6	0.0	158.9			
	x-Summary	553657.3	161057.5	392599.8	24198.4	70.91	0.15	0.27
S-T1-1217	C	8954.3	1343.2	7611.2	201.5			
	I	376265.3	105354.3	270911.0	15803.1			
	IMP	291311.3	5826.2	285485.1	873.9			
	PF	8869.5	8869.5	0.0	1330.4			
	PP	46689.9	46689.9	0.0	7003.5			
	R25	18071.4	13553.5	4517.8	2033.0			
	R30	12551.1	8785.8	3765.3	1317.9			
	R38	34484.1	21380.1	13103.9	3207.0			
	R65	207473.2	72615.6	134857.6	10892.3			
	x-Summary	1004670.2	284418.2	720252.0	42662.7	71.69	0.15	0.24
S-T1-1305	C	24640.0	3696.0	20944.0	554.4			
	I	408310.5	114326.9	293983.5	17149.0			
	IMP	190930.7	3818.6	187112.1	572.8			
	PP	49193.0	49193.0	0.0	7378.9			
	R38	11404.3	7070.6	4333.6	1060.6			
	R65	86290.0	30201.5	56088.5	4530.2			
	WF	49261.8	49261.8	0.0	9852.4			
	x-Summary	820030.1	257568.4	562461.7	41098.4	68.59	0.16	0.27
S-T1-1409	C	229149.1	34372.4	194776.7	5155.9			
	I	98866.4	27682.6	71183.8	4152.4			
	IMP	465739.4	9314.8	456424.6	1397.2			
	PF	22901.6	22901.6	0.0	3435.2			
	R30	51727.3	36209.1	15518.2	5431.4			
	R38	90538.5	56133.9	34404.6	8420.1			
	R65	1209948.3	423481.9	786466.4	63522.3			
	WF	21586.7	21586.7	0.0	4317.3			
	x-Summary	2190457.3	631682.9	1558774.3	95831.8	71.16	0.15	0.25
S-T1-1602	C	63264.0	9489.6	53774.4	1423.4			
	I	150350.8	42098.2	108252.5	6314.7			
	IMP	257094.8	5141.9	251952.9	771.3			
	R25	17405.1	13053.8	4351.3	1958.1			
	R30	25691.6	17984.2	7707.5	2697.6			
	R38	74266.4	46045.2	28221.2	6906.8			

	R65	482456.1	168859.6	313596.5	25328.9			
	x-Summary	1070528.8	302672.5	767856.3	45400.9	71.73	0.15	0.24
S-T1-1709	C	467106.6	70066.0	397040.6	10509.9			
	I	36119.2	10113.4	26005.8	1517.0			
	IMP	663099.5	13262.0	649837.5	1989.3			
	PF	144376.1	144376.1	0.0	21656.4			
	PG	23773.4	23773.4	0.0	4754.7			
	PP	27714.9	27714.9	0.0	4157.2			
	R20	34091.5	27273.2	6818.3	4091.0			
	R25	173671.3	130253.5	43417.8	19538.0			
	R30	190659.3	133461.5	57197.8	20019.2			
	R38	98544.6	61097.6	37446.9	9164.6			
	R65	1019867.9	356953.8	662914.1	53543.1			
	WF	21859.9	21859.9	0.0	4372.0			
	x-Summary	2900884.1	1020205.2	1880678.9	155312.5	64.83	0.15	0.26
S-T1-1813	C	222754.5	33413.2	189341.3	5012.0			
	I	364864.4	102162.0	262702.4	15324.3			
	IMP	1217.8	24.4	1193.4	3.7			
	x-Summary	588836.7	135599.6	453237.1	20339.9	76.97	0.15	0.24
S-T1-1913	C	569133.0	85370.0	483763.1	12805.5			
	I	47336.4	13254.2	34082.2	1988.1			
	IMP	1680436.6	33608.7	1646827.8	5041.3			
	PG	119328.2	119328.2	0.0	23865.6			
	R25	57825.3	43368.9	14456.3	6505.3			
	R30	109886.0	76920.2	32965.8	11538.0			
	R38	227889.7	141291.6	86598.1	21193.7			
	R65	650316.3	227610.7	422705.6	34141.6			
	WF	2569.2	2569.2	0.0	513.8			
	x-Summary	3464720.7	743321.8	2721398.9	117593.1	78.55	0.16	0.27
S-T1-2001	I	67565.2	18918.3	48647.0	2837.7			
	IMP	425728.9	8514.6	417214.3	1277.2			
	WF	55504.8	55504.8	0.0	11101.0			
	x-Summary	548798.9	82937.6	465861.3	15215.9	84.89	0.18	0.35
S-T1-207	C	487499.7	73125.0	414374.7	10968.7			
	I	375609.8	105170.7	270439.0	15775.6			
	IMP	973203.4	19464.1	953739.4	2919.6			
	R25	21703.6	16277.7	5425.9	2441.7			
	R30	102847.3	71993.1	30854.2	10799.0			
	R38	115964.2	71897.8	44066.4	10784.7			
	R65	749215.0	262225.3	486989.8	39333.8			
	x-Summary	2826042.9	620153.6	2205889.4	93023.0	78.06	0.15	0.24
S-T1-2110	C	326810.3	49021.6	277788.8	7353.2			
	I	801663.8	224465.9	577197.9	33669.9			
	IMP	295264.6	5905.3	289359.3	885.8			
	PF	9467.9	9467.9	0.0	1420.2			
	PG	199.2	199.2	0.0	39.8			
	x-Summary	1433405.8	289059.8	1144346.0	43368.9	79.83	0.15	0.24

S-T1-2405	C	357035.6	53555.3	303480.2	8033.3			
	I	208292.1	58321.8	149970.3	8748.3			
	IMP	345736.9	6914.7	338822.1	1037.2			
	PF	8365.3	8365.3	0.0	1254.8			
	PG	514.6	514.6	0.0	102.9			
	R38	12973.0	8043.3	4929.7	1206.5			
	R65	3715.3	1300.4	2415.0	195.1			
	WF	114367.4	114367.4	0.0	22873.5			
	x-Summary	1051000.2	251382.8	799617.4	43451.5	76.08	0.17	0.32
S-T1-2613	C	823237.0	123485.6	699751.5	18522.8			
	I	73294.3	20522.4	52771.9	3078.4			
	IMP	495779.8	9915.6	485864.2	1487.3			
	PF	2453.7	2453.7	0.0	368.1			
	PG	32015.3	32015.3	0.0	6403.1			
	R20	14550.8	11640.7	2910.2	1746.1			
	R25	168807.6	126605.7	42201.9	18990.9			
	R30	62944.4	44061.1	18883.3	6609.2			
	R38	328291.4	203540.7	124750.7	30531.1			
	R65	249939.1	87478.7	162460.4	13121.8			
	x-Summary	2251313.6	661719.4	1589594.2	100858.7	70.61	0.15	0.25
S-T1-2707	C	274550.3	41182.6	233367.8	6177.4			
	I	1134990.9	317797.5	817193.5	47669.6			
	II	46691.0						
	IMP	312613.1	6252.3	306360.9	937.8			
	PF	810468.0	810468.0	0.0	121570.2			
	R20	46488.8	37191.0	9297.8	5578.7			
	R30	6001.4	4201.0	1800.4	630.1			
	R38	5344.4	3313.5	2030.9	497.0			
	R65	838.3	293.4	544.9	44.0			
	WF	2777.9	2777.9	0.0	555.6			
	x-Summary	2640764.2	1223477.1	1370596.1	183660.5	51.90	0.15	0.28
S-T1-2808	C	150772.6	22615.9	128156.7	3392.4			
	I	88972.1	24912.2	64059.9	3736.8			
	II	115385.0						
	IMP	579282.4	11585.6	567696.8	1737.8			
	PF	270689.0	270689.0	0.0	40603.3			
	R25	143560.5	107670.4	35890.1	16150.6			
	R30	234260.8	163982.6	70278.2	24597.4			
	R38	565971.0	350902.0	215069.0	52635.3			
	R65	289001.5	101150.5	187851.0	15172.6			
	WF	42446.4	42446.4	0.0	8489.3			
	WG	75211.4	75211.4	0.0	18802.8			
	x-Summary	2555552.7	1171166.0	1269001.7	185318.4	49.66	0.16	0.28
S-T1-403	C	349662.8	52449.4	297213.4	7867.4			
	I	50396.6	14111.0	36285.6	2116.7			
	IMP	647814.6	12956.3	634858.3	1943.4			
	PG	46019.4	46019.4	0.0	9203.9			

	R25	24613.3	18459.9	6153.3	2769.0			
	R38	18409.5	11413.9	6995.6	1712.1			
	R65	492660.4	172431.1	320229.3	25864.7			
	x-Summary	1629576.6	327841.2	1301735.4	51477.2	79.88	0.16	0.26
S-T1-505	C	112675.5	16901.3	95774.1	2535.2			
	IMP	56926.4	1138.5	55787.9	170.8			
	R25	22351.0	16763.3	5587.8	2514.5			
	R38	3148.2	1951.9	1196.3	292.8			
	R65	32691.9	11442.2	21249.8	1716.3			
	x-Summary	227793.0	48197.2	179595.8	7229.6	78.84	0.15	0.24
S-T1-603	C	171447.0	25717.1	145730.0	3857.6			
	IMP	27551.9	551.0	27000.9	82.7			
	x-Summary	198998.9	26268.1	172730.8	3940.2	86.80	0.15	0.24
S-T1-803	I	105211.1	29459.1	75752.0	4418.9			
	IMP	1527656.0	30553.1	1497102.9	4583.0			
	PG	60793.9	60793.9	0.0	12158.8			
	WG	126167.9	126167.9	0.0	31542.0			
	x-Summary	1819828.9	246974.0	1572854.9	52702.6	86.43	0.21	0.41
S-T1-909	C	35494.3	5324.2	30170.2	798.6			
	I	16199.8	4536.0	11663.9	680.4			
	IMP	165609.8	3312.2	162297.6	496.8			
	PP	24503.9	24503.9	0.0	3675.6			
	R25	22145.6	16609.2	5536.4	2491.4			
	R65	34169.5	11959.3	22210.2	1793.9			
	x-Summary	298123.0	66244.7	231878.3	9936.7	77.78	0.15	0.24
S-T2-1001	IMP	76681.9	1533.6	75148.3	230.0			
	R25	74318.9	55739.1	18579.7	8360.9			
	R30	53143.1	37200.2	15942.9	5580.0			
	R65	761.4	266.5	494.9	40.0			
	x-Summary	204905.2	94739.4	110165.8	14210.9	53.76	0.15	0.24
S-T2-105	IMP	331335.4	6626.7	324708.7	994.0			
	PG	49815.2	49815.2	0.0	9963.0			
	R25	106213.1	79659.8	26553.3	11949.0			
	R30	140663.7	98464.6	42199.1	14769.7			
	R38	958889.4	594511.4	364378.0	89176.7			
	R65	195616.5	68465.8	127150.7	10269.9			
	WG	106717.2	106717.2	0.0	26679.3			
	x-Summary	1889250.5	1004260.7	884989.8	163801.6	46.84	0.16	0.28
S-T2-1102	C	376455.4	56468.3	319987.1	8470.2			
	IMP	138599.9	2772.0	135827.9	415.8			
	R25	29645.5	22234.1	7411.4	3335.1			
	R30	33108.5	23175.9	9932.5	3476.4			
	R38	103787.3	64348.1	39439.2	9652.2			
	R65	3091.4	1082.0	2009.4	162.3			
	x-Summary	684688.0	170080.5	514607.5	25512.1	75.16	0.15	0.24
S-T2-1212	IMP	195286.0	3905.7	191380.3	585.9			
	R25	174929.5	131197.1	43732.4	19679.6			

	R30	389025.2	272317.6	116707.6	40847.6			
	R38	393678.9	244080.9	149598.0	36612.1			
	R65	42367.0	14828.4	27538.5	2224.3			
	x-Summary	1195286.6	666329.9	528956.7	99949.5	44.25	0.15	0.24
S-T2-1303	IMP	43147.8	863.0	42284.8	129.4			
	R25	62943.1	47207.3	15735.8	7081.1			
	R30	59997.1	41998.0	17999.1	6299.7			
	R38	103958.5	64454.3	39504.2	9668.1			
	R65	56881.2	19908.4	36972.8	2986.3			
	x-Summary	326927.7	174431.0	152496.8	26164.6	46.65	0.15	0.24
S-T2-1406	IMP	423592.6	8471.9	415120.7	1270.8			
	R25	1087276.0	815457.0	271819.0	122318.6			
	R30	1092543.4	764780.4	327763.0	114717.1			
	R38	420368.3	260628.3	159739.9	39094.2			
	R65	5820.5	2037.2	3783.3	305.6			
	x-Summary	3029600.8	1851374.8	1178226.0	277706.2	38.89	0.15	0.24
S-T2-1507	IMP	96115.6	1922.3	94193.3	288.3			
	PG	370969.8	370969.8	0.0	74194.0			
	R12	1143.1	1006.0	137.2	150.9			
	R20	134203.7	107363.0	26840.7	16104.4			
	R25	31840.0	23880.0	7960.0	3582.0			
	R30	6602.8	4621.9	1980.8	693.3			
	x-Summary	640875.0	509762.9	131112.0	95012.9	20.46	0.19	0.36
S-T2-1607	IMP	246924.8	4938.5	241986.3	740.8			
	PG	287723.8	287723.8	0.0	57544.8			
	R25	430865.0	323148.8	107716.3	48472.3			
	R30	140392.4	98274.7	42117.7	14741.2			
	R38	85983.1	53309.5	32673.6	7996.4			
	R65	7898.2	2764.4	5133.9	414.7			
	x-Summary	1199787.3	770159.6	429627.7	129910.1	35.81	0.17	0.30
S-T2-1707	IMP	93562.3	1871.2	91691.0	280.7			
	PG	66866.7	66866.7	0.0	13373.3			
	R12	17314.8	15237.1	2077.8	2285.6			
	R20	31861.5	25489.2	6372.3	3823.4			
	R25	74423.8	55817.9	18606.0	8372.7			
	R30	13444.4	9411.1	4033.3	1411.7			
	x-Summary	297473.5	174693.2	122780.4	29547.3	41.27	0.17	0.30
S-T2-1803	IMP	82193.2	1643.9	80549.4	246.6			
	PG	26839.6	26839.6	0.0	5367.9			
	R25	7600.5	5700.3	1900.1	855.1			
	R30	58164.7	40715.3	17449.4	6107.3			
	R38	86251.8	53476.1	32775.7	8021.4			
	R65	7191.8	2517.1	4674.7	377.6			
	x-Summary	268241.6	130892.3	137349.2	20975.8	51.20	0.16	0.27
S-T2-1914	C	273347.7	41002.2	232345.5	6150.3			
	IMP	236105.4	4722.1	231383.3	708.3			
	PG	23898.1	23898.1	0.0	4779.6			

	R20	88555.6	70844.5	17711.1	10626.7			
	R25	419001.3	314250.9	104750.3	47137.6			
	R30	27158.7	19011.1	8147.6	2851.7			
	R38	15145.1	9389.9	5755.1	1408.5			
	x-Summary	1083211.8	483118.8	600093.0	73662.7	55.40	0.15	0.25
S-T2-2002	IMP	120430.8	2408.6	118022.1	361.3			
	PG	127984.2	127984.2	0.0	25596.8			
	R20	62424.3	49939.5	12484.9	7490.9			
	R25	459633.8	344725.3	114908.4	51708.8			
	R30	16252.4	11376.7	4875.7	1706.5			
	x-Summary	786725.5	536434.4	250291.2	86864.4	31.81	0.16	0.28
S-T2-2105	C	437384.6	65607.7	371776.9	9841.2			
	IMP	223822.0	4476.4	219345.6	671.5			
	R25	45099.7	33824.8	11274.9	5073.7			
	R30	536.2	375.3	160.9	56.3			
	R38	2745.4	1702.1	1043.2	255.3			
	R65	284431.8	99551.1	184880.7	14932.7			
	x-Summary	994019.7	205537.5	788482.2	30830.6	79.32	0.15	0.24
S-T2-2205	C	174171.1	26125.7	148045.5	3918.9			
	IMP	127281.6	2545.6	124736.0	381.8			
	R20	90050.6	72040.5	18010.1	10806.1			
	R25	299042.8	224282.1	74760.7	33642.3			
	R30	12775.7	8943.0	3832.7	1341.4			
	x-Summary	703321.7	333936.8	369384.9	50090.5	52.52	0.15	0.24
S-T2-2301	IMP	13127.6	262.6	12865.1	39.4			
	PG	1488793.6	1488793.6	0.0	297758.7			
	x-Summary	1501921.2	1489056.2	12865.1	297798.1	0.86	0.20	0.40
S-T2-2405	C	261084.8	39162.7	221922.0	5874.4			
	IMP	262583.1	5251.7	257331.4	787.7			
	R25	451432.0	338574.0	112858.0	50786.1			
	R30	211802.3	148261.6	63540.7	22239.2			
	R38	227133.5	140822.8	86310.7	21123.4			
	R65	148774.1	52070.9	96703.2	7810.6			
	x-Summary	1562809.8	724143.7	838666.1	108621.6	53.66	0.15	0.24
S-T2-2503	IMP	318659.1	6373.2	312286.0	956.0			
	PG	2038464.6	2038464.6	0.0	407692.9			
	R20	375123.5	300098.8	75024.7	45014.8			
	R25	278152.0	208614.0	69538.0	31292.1			
	x-Summary	3010399.3	2553550.6	456848.7	484955.8	15.18	0.19	0.37
S-T2-312	C	489543.9	73431.6	416112.3	11014.7			
	IMP	463332.5	9266.7	454065.9	1390.0			
	PG	458678.1	458678.1	0.0	91735.6			
	R12	445583.8	392113.7	53470.1	58817.1			
	R20	382495.1	305996.1	76499.0	45899.4			
	R25	631119.1	473339.4	157779.8	71000.9			
	R30	469891.1	328923.8	140967.3	49338.6			
	R38	232728.8	144291.9	88437.0	21643.8			

	R65	21899.8	7664.9	14234.9	1149.7			
	x-Summary	3595272.3	2193706.1	1401566.2	351989.8	38.98	0.16	0.27
S-T2-401	C	248096.5	37214.5	210882.0	5582.2			
	IMP	388541.9	7770.8	380771.1	1165.6			
	R12	1415.4	1245.6	169.9	186.8			
	R20	2383.7	1906.9	476.7	286.0			
	R25	37775.3	28331.5	9443.8	4249.7			
	R30	67437.1	47205.9	20231.1	7080.9			
	R38	439224.4	272319.1	166905.3	40847.9			
	R65	26422.2	9247.8	17174.4	1387.2			
	x-Summary	1211296.5	405242.1	806054.3	60786.3	66.54	0.15	0.24
S-T2-509	IMP	252150.1	5043.0	247107.1	756.5			
	R20	10197.6	8158.1	2039.5	1223.7			
	R25	115737.7	86803.2	28934.4	13020.5			
	R30	203401.0	142380.7	61020.3	21357.1			
	R38	378155.2	234456.2	143699.0	35168.4			
	R65	20884.6	7309.6	13575.0	1096.4			
	x-Summary	980526.1	484150.8	496375.3	72622.6	50.62	0.15	0.24
S-T2-606	C	326577.8	48986.7	277591.2	7348.0			
	IMP	108249.4	2165.0	106084.4	324.7			
	R12	38256.0	33665.3	4590.7	5049.8			
	R25	46685.8	35014.3	11671.4	5252.1			
	R30	101922.7	71345.9	30576.8	10701.9			
	R38	19130.4	11860.9	7269.6	1779.1			
	R65	81075.3	28376.4	52699.0	4256.5			
	x-Summary	721897.5	231414.4	490483.1	34712.2	67.94	0.15	0.24
S-T2-703	C	204885.5	30732.8	174152.7	4609.9			
	IMP	207856.2	4157.1	203699.1	623.6			
	R20	633.4	506.7	126.7	76.0			
	R25	18489.6	13867.2	4622.4	2080.1			
	R30	244654.9	171258.5	73396.5	25688.8			
	R38	332300.6	206026.4	126274.2	30904.0			
	R65	9424.5	3298.6	6125.9	494.8			
	x-Summary	1018244.7	429847.2	588397.5	64477.1	57.79	0.15	0.24
S-T2-812	IMP	184588.5	3691.8	180896.7	553.8			
	PG	39178.7	39178.7	0.0	7835.7			
	R12	50788.6	44694.0	6094.6	6704.1			
	R20	89633.3	71706.7	17926.7	10756.0			
	R25	534155.7	400616.8	133538.9	60092.5			
	R30	66763.5	46734.4	20029.0	7010.2			
	R38	50831.3	31515.4	19315.9	4727.3			
	R65	174124.6	60943.6	113181.0	9141.5			
	x-Summary	1190064.2	699081.3	490982.9	106821.1	41.26	0.15	0.25
S-T2-901	IMP	84962.1	1699.2	83262.8	254.9			
	R20	15109.5	12087.6	3021.9	1813.1			
	R25	149431.0	112073.3	37357.8	16811.0			
	R30	294590.4	206213.3	88377.1	30932.0			

	R38	81032.6	50240.2	30792.4	7536.0			
	x-Summary	625125.6	382313.6	242812.0	57347.0	38.84	0.15	0.24
S-T3-1003	IMP	97070.7	1941.4	95129.3	291.2			
	R12	89803.9	79027.5	10776.5	11854.1			
	R20	46186.6	36949.3	9237.3	5542.4			
	R25	83995.0	62996.3	20998.8	9449.4			
	R30	21909.7	15336.8	6572.9	2300.5			
	R38	75968.3	47100.3	28867.9	7065.0			
	R65	80755.6	28264.5	52491.1	4239.7			
	x-Summary	495689.8	271616.0	224073.8	40742.4	45.20	0.15	0.24
S-T3-105	IMP	201757.1	4035.1	197722.0	605.3			
	PG	2680.4	2680.4	0.0	536.1			
	R25	238917.4	179188.1	59729.4	26878.2			
	R30	57950.0	40565.0	17385.0	6084.7			
	R38	13270.3	8227.6	5042.7	1234.1			
	R65	27276.6	9546.8	17729.8	1432.0			
	x-Summary	541851.9	244243.0	297608.9	36770.5	54.92	0.15	0.24
S-T3-1107	IMP	268424.5	5368.5	263056.1	805.3			
	PG	1227.2	1227.2	0.0	245.4			
	R12	171120.6	150586.1	20534.5	22587.9			
	R20	413737.2	330989.8	82747.4	49648.5			
	R25	435309.2	326481.9	108827.3	48972.3			
	R30	101744.3	71221.0	30523.3	10683.1			
	R38	62027.3	38456.9	23570.4	5768.5			
	R65	33427.3	11699.6	21727.8	1754.9			
	x-Summary	1487017.5	936030.8	550986.7	140466.0	37.05	0.15	0.24
S-T3-1222	C	23739.3	3560.9	20178.4	534.1			
	I	33327.0	9331.6	23995.5	1399.7			
	IMP	666193.6	13323.9	652869.7	1998.6			
	PF	109305.9	109305.9	0.0	16395.9			
	R65	19973.9	6990.9	12983.0	1048.6			
	x-Summary	852539.7	142513.1	710026.6	21377.0	83.28	0.15	0.29
S-T3-1301	IMP	115395.5	2307.9	113087.6	346.2			
	R20	116658.0	93326.4	23331.6	13999.0			
	R25	44870.2	33652.7	11217.6	5047.9			
	R30	83614.3	58530.0	25084.3	8779.5			
	R38	81843.4	50742.9	31100.5	7611.4			
	R65	312446.4	109356.2	203090.2	16403.4			
	x-Summary	754827.8	347916.1	406911.7	52187.4	53.91	0.15	0.24
S-T3-1402	C	62115.2	9317.3	52797.9	1397.6			
	IMP	39451.5	789.0	38662.5	118.4			
	R25	17691.9	13268.9	4423.0	1990.3			
	R30	45447.8	31813.5	13634.3	4772.0			
	R38	88555.0	54904.1	33650.9	8235.6			
	R65	129491.1	45321.9	84169.2	6798.3			
	WG	25974.4	25974.4	0.0	6493.6			
	x-Summary	408726.9	181389.0	227337.9	29805.8	55.62	0.16	0.28

S-T3-1504	C	59293.3	8894.0	50399.3	1334.1			
	I	284119.4	79553.4	204566.0	11933.0			
	IMP	446752.7	8935.1	437817.6	1340.3			
	PF	397538.7	397538.7	0.0	59630.8			
	PP	10972.5	10972.5	0.0	1645.9			
	R20	110581.9	88465.5	22116.4	13269.8			
	R25	137911.0	103433.3	34477.8	15515.0			
	R30	90618.2	63432.7	27185.5	9514.9			
	R38	155711.8	96541.3	59170.5	14481.2			
	R65	812884.5	284509.6	528374.9	42676.4			
	WG	27603.7	27603.7	0.0	6900.9			
	x-Summary	2533987.7	1169879.8	1364107.9	178242.3	53.83	0.15	0.27
S-T3-1607	I	29265.9	8194.4	21071.4	1229.2			
	IMP	174831.6	3496.6	171334.9	524.5			
	x-Summary	204097.4	11691.1	192406.3	1753.7	94.27	0.15	0.24
S-T3-1705	IMP	182805.2	3656.1	179149.1	548.4			
	PF	22211.7	22211.7	0.0	3331.8			
	R25	61773.0	46329.7	15443.2	6949.5			
	R30	62969.1	44078.4	18890.7	6611.8			
	R38	112082.6	69491.2	42591.4	10423.7			
	R65	462219.0	161776.6	300442.3	24266.5			
	WG	7895.7	7895.7	0.0	1973.9			
	x-Summary	911956.2	355439.4	556516.8	54105.5	61.02	0.15	0.25
S-T3-1801	I	66928.9	18740.1	48188.8	2811.0			
	IMP	363956.2	7279.1	356677.1	1091.9			
	PG	16333.9	16333.9	0.0	3266.8			
	R30	10398.7	7279.1	3119.6	1091.9			
	R38	2804.1	1738.5	1065.6	260.8			
	R65	402756.9	140964.9	261792.0	21144.7			
	x-Summary	863178.7	192335.6	670843.0	29667.0	77.72	0.15	0.25
S-T3-1909	C	45764.2	6864.6	38899.6	1029.7			
	IMP	167362.1	3347.2	164014.9	502.1			
	R25	5017.1	3762.9	1254.3	564.4			
	R30	23285.4	16299.8	6985.6	2445.0			
	R38	107169.1	66444.9	40724.3	9966.7			
	R65	708408.7	247943.1	460465.7	37191.5			
	x-Summary	1057006.7	344662.4	712344.3	51699.4	67.39	0.15	0.24
S-T3-1921	C	65526.5	9829.0	55697.5	1474.3			
	I	62634.3	17537.6	45096.7	2630.6			
	IMP	685554.1	13711.1	671843.1	2056.7			
	PF	154257.9	154257.9	0.0	23138.7			
	PG	18481.4	18481.4	0.0	3696.3			
	R30	91624.3	64137.0	27487.3	9620.6			
	R38	106264.9	65884.3	40380.7	9882.6			
	R65	1173286.7	410650.3	762636.3	61597.5			
	WG	25457.4	25457.4	0.0	6364.4			
	x-Summary	2383087.5	779945.9	1603141.5	120461.7	67.27	0.15	0.26

S-T3-2003	C	7936.3	1190.4	6745.9	178.6			
	IMP	230258.8	4605.2	225653.6	690.8			
	R12	377.1	331.9	45.3	49.8			
	R25	18520.5	13890.4	4630.1	2083.6			
	R30	156279.7	109395.8	46883.9	16409.4			
	R38	712538.1	441773.6	270764.5	66266.0			
	R65	177922.3	62272.8	115649.5	9340.9			
	x-Summary	1303832.9	633460.1	670372.8	95019.0	51.42	0.15	0.24
S-T3-201	IMP	126538.8	2530.8	124008.0	379.6			
	PG	25451.2	25451.2	0.0	5090.2			
	R25	131199.8	98399.8	32799.9	14760.0			
	R30	234121.3	163884.9	70236.4	24582.7			
	R38	61384.6	38058.5	23326.2	5708.8			
	R65	35549.5	12442.3	23107.2	1866.3			
	x-Summary	614245.1	340767.5	273477.7	52387.7	44.52	0.15	0.25
S-T3-2122	C	30194.0	4529.1	25664.9	679.4			
	I	3688.3	1032.7	2655.6	154.9			
	IMP	587690.7	11753.8	575936.9	1763.1			
	PG	114622.9	114622.9	0.0	22924.6			
	R12	1227.1	1079.9	147.3	162.0			
	R20	38632.9	30906.3	7726.6	4635.9			
	R25	95120.2	71340.1	23780.0	10701.0			
	R30	116484.1	81538.8	34945.2	12230.8			
	R38	389667.4	241593.8	148073.6	36239.1			
	R65	1269554.3	444344.0	825210.3	66651.6			
	WG	39995.8	39995.8	0.0	9999.0			
	x-Summary	2686877.6	1042737.3	1644140.3	166141.3	61.19	0.16	0.27
S-T3-2301	C	27431.1	4114.7	23316.4	617.2			
	I	17683.4	4951.3	12732.0	742.7			
	IMP	404255.0	8085.1	396169.9	1212.8			
	R38	46514.2	28838.8	17675.4	4325.8			
	R65	304805.0	106681.8	198123.3	16002.3			
	x-Summary	800688.7	152671.7	648017.0	22900.7	80.93	0.15	0.24
S-T3-2402	I	501368.7	140383.2	360985.5	21057.5			
	IMP	965409.5	19308.2	946101.3	2896.2			
	R38	1300.5	806.3	494.2	120.9			
	R65	88517.6	30981.1	57536.4	4647.2			
	x-Summary	1556596.3	191478.9	1365117.4	28721.8	87.70	0.15	0.24
S-T3-2601	IMP	587884.5	11757.7	576126.8	1763.7			
	R25	52493.2	39369.9	13123.3	5905.5			
	R30	101890.8	71323.5	30567.2	10698.5			
	R38	413208.6	256189.3	157019.3	38428.4			
	R65	207085.5	72479.9	134605.6	10872.0			
	x-Summary	1362562.6	451120.4	911442.2	67668.1	66.89	0.15	0.24
S-T3-2701	I	18928.0	5299.9	13628.2	795.0			
	IMP	464398.5	9288.0	455110.5	1393.2			
	PG	13728.4	13728.4	0.0	2745.7			

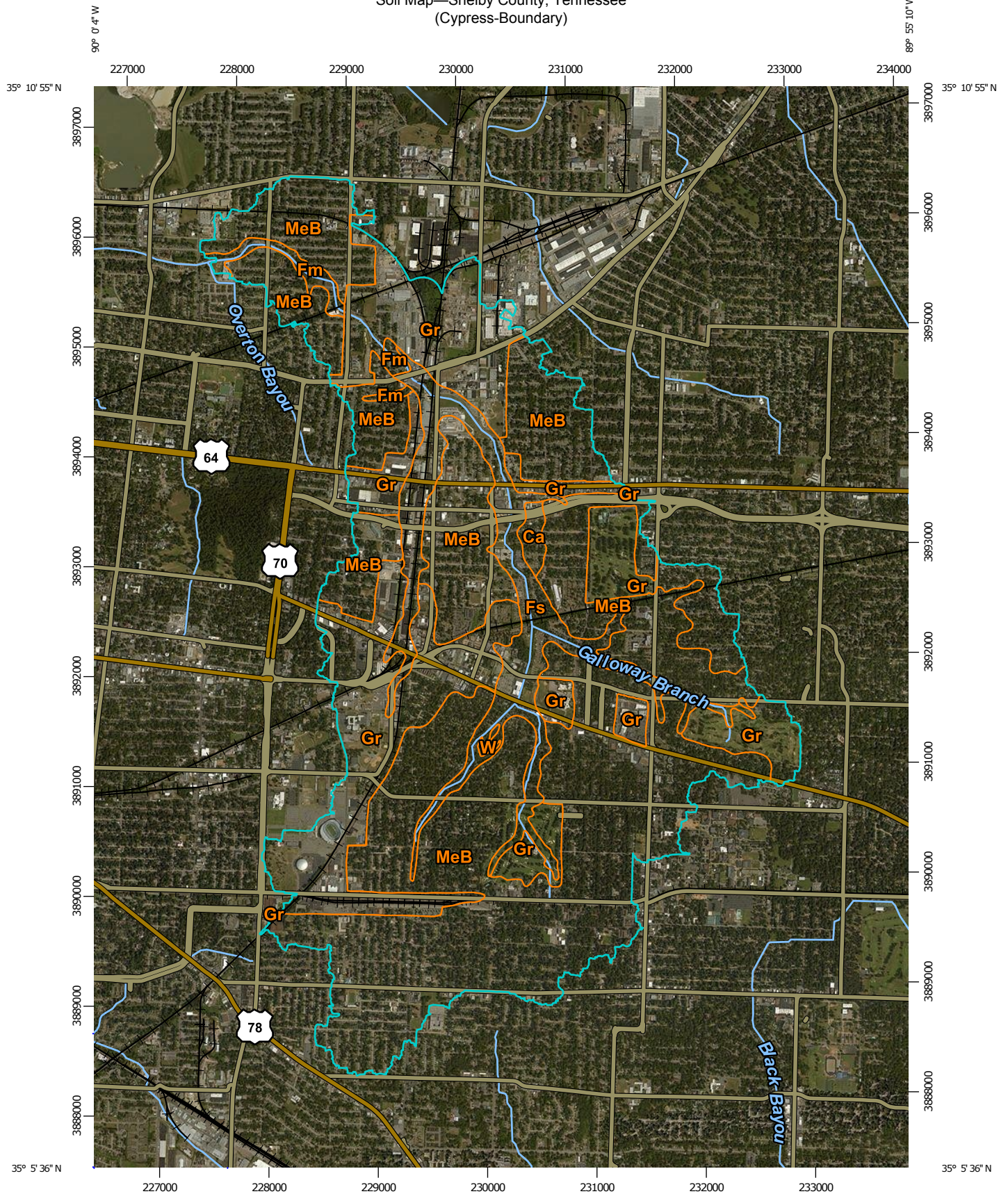
	R38	22538.0	13973.6	8564.4	2096.0			
	R65	340543.5	119190.2	221353.3	17878.5			
	x-Summary	860136.4	161480.0	698656.4	24908.4	81.23	0.15	0.25
S-T3-2901	IMP	321974.9	6439.5	315535.4	965.9			
	R12	95206.0	83781.3	11424.7	12567.2			
	R25	26357.8	19768.4	6589.5	2965.3			
	R30	43854.9	30698.4	13156.5	4604.8			
	R38	238031.8	147579.7	90452.1	22137.0			
	R65	876299.3	306704.7	569594.5	46005.7			
	x-Summary	1601724.7	594972.0	1006752.7	89245.8	62.85	0.15	0.24
S-T3-3012	IMP	139993.8	2799.9	137193.9	420.0			
	PG	5460.1	5460.1	0.0	1092.0			
	R20	30753.0	24602.4	6150.6	3690.4			
	R25	49211.3	36908.5	12302.8	5536.3			
	R30	70343.8	49240.7	21103.2	7386.1			
	R38	632561.1	392187.9	240373.2	58828.2			
	R65	78466.9	27463.4	51003.5	4119.5			
	x-Summary	1006790.0	538662.8	468127.2	81072.4	46.50	0.15	0.24
S-T3-306	IMP	172888.8	3457.8	169431.0	518.7			
	PG	20063.6	20063.6	0.0	4012.7			
	R20	33070.2	26456.2	6614.0	3968.4			
	R25	182905.8	137179.4	45726.5	20576.9			
	R30	497232.0	348062.4	149169.6	52209.4			
	R38	125711.8	77941.3	47770.5	11691.2			
	R65	34176.2	11961.7	22214.5	1794.3			
	x-Summary	1066048.4	625122.3	440926.1	94771.5	41.36	0.15	0.25
S-T3-3107	C	200398.8	30059.8	170339.0	4509.0			
	IMP	401225.9	8024.5	393201.4	1203.7			
	R25	7085.3	5314.0	1771.3	797.1			
	R30	8273.2	5791.3	2482.0	868.7			
	R38	39581.1	24540.3	15040.8	3681.0			
	R65	1485792.6	520027.4	965765.2	78004.1			
	x-Summary	2142357.0	593757.3	1548599.7	89063.6	72.28	0.15	0.24
S-T3-3202	IMP	63722.5	1274.4	62448.0	191.2			
	R30	433.0	303.1	129.9	45.5			
	R65	234675.4	82136.4	152539.0	12320.5			
	x-Summary	298830.9	83713.9	215116.9	12557.1	71.99	0.15	0.24
S-T3-3604	I	20217.9	5661.0	14556.9	849.2			
	IMP	156520.5	3130.4	153390.1	469.6			
	PG	212133.7	212133.7	0.0	42426.7			
	R12	95526.5	84063.3	11463.2	12609.5			
	R25	33100.0	24825.0	8275.0	3723.8			
	R30	8704.7	6093.3	2611.4	914.0			
	R38	27503.1	17051.9	10451.2	2557.8			
	R65	155627.5	54469.6	101157.9	8170.4			
	x-Summary	709334.0	407428.4	301905.7	71720.9	42.56	0.18	0.32
S-T3-3705	C	148581.3	22287.2	126294.1	3343.1			

	I	307260.5	86032.9	221227.6	12904.9			
	IMP	365262.5	7305.3	357957.3	1095.8			
	PG	7862.1	7862.1	0.0	1572.4			
	R25	65754.0	49315.5	16438.5	7397.3			
	R30	34214.2	23950.0	10264.3	3592.5			
	R38	155455.2	96382.2	59073.0	14457.3			
	R65	736468.1	257763.8	478704.3	38664.6			
	x-Summary	1820858.0	550899.0	1269959.0	83028.0	69.75	0.15	0.24
S-T3-3807	IMP	307513.4	6150.3	301363.2	922.5			
	R25	5412.3	4059.2	1353.1	608.9			
	R30	17174.3	12022.0	5152.3	1803.3			
	R38	266880.9	165466.1	101414.7	24819.9			
	R65	1041788.9	364626.1	677162.8	54693.9			
	WG	21245.3	21245.3	0.0	5311.3			
	x-Summary	1660015.1	573569.0	1086446.0	88159.9	65.45	0.15	0.25
S-T3-3904	IMP	297126.5	5942.5	291183.9	891.4			
	PG	377579.3	377579.3	0.0	75515.9			
	R12	2281.6	2007.8	273.8	301.2			
	R25	21744.2	16308.1	5436.0	2446.2			
	R30	12483.1	8738.2	3744.9	1310.7			
	R38	75697.0	46932.1	28764.8	7039.8			
	R65	721959.8	252685.9	469273.9	37902.9			
	x-Summary	1508871.4	710193.9	798677.4	125408.1	52.93	0.18	0.33
S-T3-4003	IMP	115055.4	2301.1	112754.3	345.2			
	R30	46798.2	32758.7	14039.4	4913.8			
	R38	468488.7	290463.0	178025.7	43569.5			
	R65	280589.1	98206.2	182382.9	14730.9			
	x-Summary	910931.3	423729.0	487202.3	63559.4	53.48	0.15	0.24
S-T3-401	IMP	48056.7	961.1	47095.6	144.2			
	PG	291379.8	291379.8	0.0	58276.0			
	POND	401520.3	397505.1	4015.2	0.0			
	x-Summary	740956.8	689846.0	51110.8	58420.1	6.90	0.08	0.17
S-T3-410	IMP	243460.5	4869.2	238591.3	730.4			
	PG	4696.8	4696.8	0.0	939.4			
	R25	94450.3	70837.7	23612.6	10625.7			
	R30	305095.4	213566.7	91528.6	32035.0			
	R38	164535.1	102011.7	62523.3	15301.8			
	R65	45202.0	15820.7	29381.3	2373.1			
	x-Summary	857440.0	411802.9	445637.1	62005.3	51.97	0.15	0.24
S-T3-4103	C	2825.0	423.7	2401.2	63.6			
	I	47.8	13.4	34.4	2.0			
	IMP	359217.6	7184.4	352033.3	1077.7			
	PF	31930.3	31930.3	0.0	4789.5			
	PG	51495.4	51495.4	0.0	10299.1			
	R38	26627.9	16509.3	10118.6	2476.4			
	R65	391784.1	137124.4	254659.7	20568.7			
	x-Summary	863928.1	244680.9	619247.2	39276.9	71.68	0.16	0.28

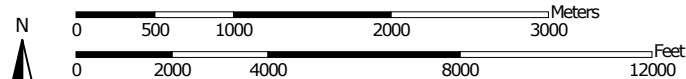
S-T3-4104	I	47272.3	13236.2	34036.0	1985.4			
	IMP	747356.5	14947.1	732409.3	2242.1			
	R65	10.3	3.6	6.7	0.5			
	x-Summary	794639.1	28187.0	766452.1	4228.0	96.45	0.15	0.24
S-T3-4112	I	355338.1	99494.7	255843.4	14924.2			
	IMP	240298.6	4806.0	235492.7	720.9			
	x-Summary	595636.7	104300.6	491336.1	15645.1	82.49	0.15	0.24
S-T3-4302	I	85439.8	23923.1	61516.6	3588.5			
	IMP	211310.7	4226.2	207084.5	633.9			
	WG	2864.6	2864.6	0.0	716.2			
	x-Summary	299615.1	31014.0	268601.1	4938.6	89.65	0.16	0.26
S-T3-4304	C	221652.2	33247.8	188404.3	4987.2			
	I	35584.5	9963.7	25620.9	1494.6			
	IMP	21791.9	435.8	21356.0	65.4			
	PF	52972.9	52972.9	0.0	7945.9			
	WG	42143.7	42143.7	0.0	10535.9			
	x-Summary	374145.2	138763.9	235381.2	25029.0	62.91	0.18	0.34
S-T3-4504	C	284950.3	42742.5	242207.8	6411.4			
	I	1017522.7	284906.4	732616.4	42736.0			
	IMP	1528993.8	30579.9	1498413.9	4587.0			
	PG	23255.6	23255.6	0.0	4651.1			
	x-Summary	2854722.4	381484.4	2473238.0	58385.4	86.64	0.15	0.25
S-T3-508	C	183096.6	27464.5	155632.1	4119.7			
	IMP	236902.3	4738.0	232164.3	710.7			
	PG	57493.7	57493.7	0.0	11498.7			
	R20	86907.7	69526.2	17381.5	10428.9			
	R25	429688.3	322266.3	107422.1	48339.9			
	R30	236159.4	165311.6	70847.8	24796.7			
	R38	33307.6	20650.7	12656.9	3097.6			
	R65	8958.8	3135.6	5823.3	470.3			
	x-Summary	1272514.4	670586.5	601927.9	103462.7	47.30	0.15	0.25
S-T3-612	I	10218.4	2861.1	7357.2	429.2			
	II	118.4						
	IMP	565185.7	11303.7	553882.0	1695.6			
	PG	52362.6	52362.6	0.0	10472.5			
	R20	18957.7	15166.2	3791.5	2274.9			
	R25	255043.2	191282.4	63760.8	28692.4			
	R30	427298.6	299109.0	128189.6	44866.3			
	R38	622284.1	385816.1	236468.0	57872.4			
	R65	540388.0	189135.8	351252.2	28370.4			
	x-Summary	2491856.6	1147037.0	1344701.3	174673.7	53.96	0.15	0.25
S-T3-807	IMP	127188.7	2543.8	124644.9	381.6			
	PG	100330.7	100330.7	0.0	20066.1			
	R20	53678.6	42942.9	10735.7	6441.4			
	R25	212937.2	159702.9	53234.3	23955.4			
	R30	187592.3	131314.6	56277.7	19697.2			
	R38	35944.0	22285.3	13658.7	3342.8			

	x-Summary	717671.5	459120.1	258551.4	73884.6	36.03	0.16	0.27
S-T3-907	I	137.9	38.6	99.3	5.8			
	IMP	226972.2	4539.4	222432.7	680.9			
	PG	3739.4	3739.4	0.0	747.9			
	R20	399128.3	319302.6	79825.7	47895.4			
	R25	520164.3	390123.2	130041.1	58518.5			
	R30	56275.2	39392.6	16882.6	5908.9			
	R38	89395.3	55425.1	33970.2	8313.8			
	R65	101254.1	35438.9	65815.1	5315.8			
	x-Summary	1397066.5	847999.9	549066.6	127387.0	39.30	0.15	0.24

Soil Map—Shelby County, Tennessee (Cypress-Boundary)



Map Scale: 1:48,000 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84



**Natural Resources
Conservation Service**

Web Soil Survey
National Cooperative Soil Survey

7/31/2015
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Shelby County, Tennessee

Survey Area Data: Version 10, Sep 23, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 12, 2011—Oct 14, 2013

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Shelby County, Tennessee (TN157)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ca	Calloway silt loam, 0 to 2 percent slopes	28.9	0.5%
Fm	Falaya silt loam	63.9	1.2%
Fs	Filled land, silty (udorthent, silty)	526.1	9.8%
Gr	Graded land, silty materials(udorthent, silty)	1,590.4	29.7%
MeB	Memphis silt loam, 2 to 5 percent slopes	3,137.7	58.6%
W	Water	5.4	0.1%
Totals for Area of Interest		5,352.4	100.0%

APPENDIX C:
NOAA ATLAS 14 RAINFALL DATA



NOAA Atlas 14, Volume 2, Version 3
 Location name: Memphis, Tennessee, US*
 Latitude: 35.1230°, Longitude: -89.9600°
 Elevation: 297 ft*
 * source: Google Maps



POINT PRECIPITATION FREQUENCY ESTIMATES

G.M. Bonnin, D. Martin, B. Lin, T. Parzybok, M. Yekta, and D. Riley

NOAA, National Weather Service, Silver Spring, Maryland

[PF tabular](#) | [PF graphical](#) | [Maps & aeriels](#)

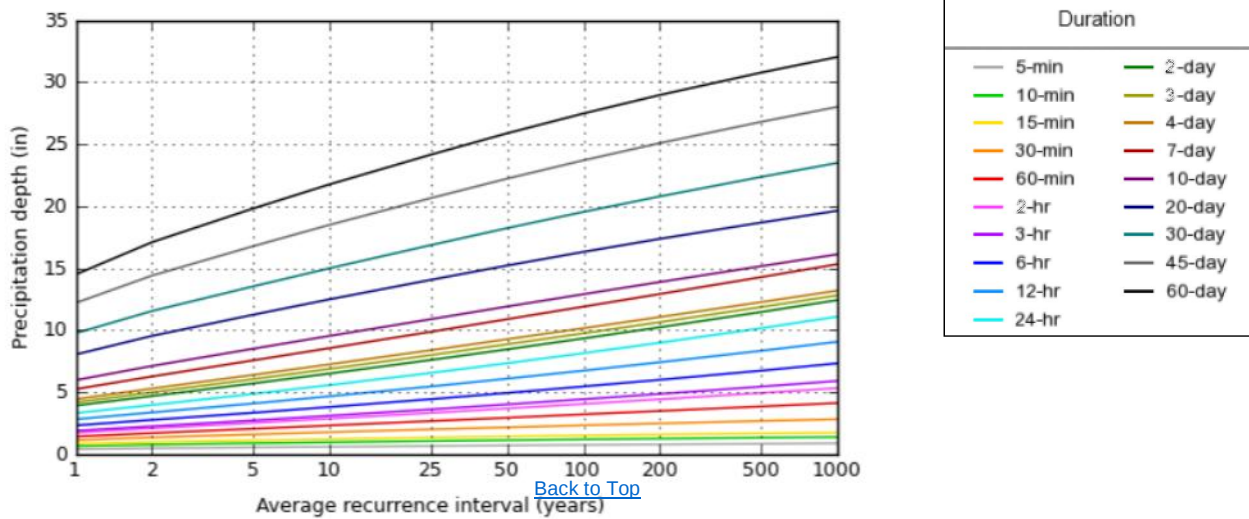
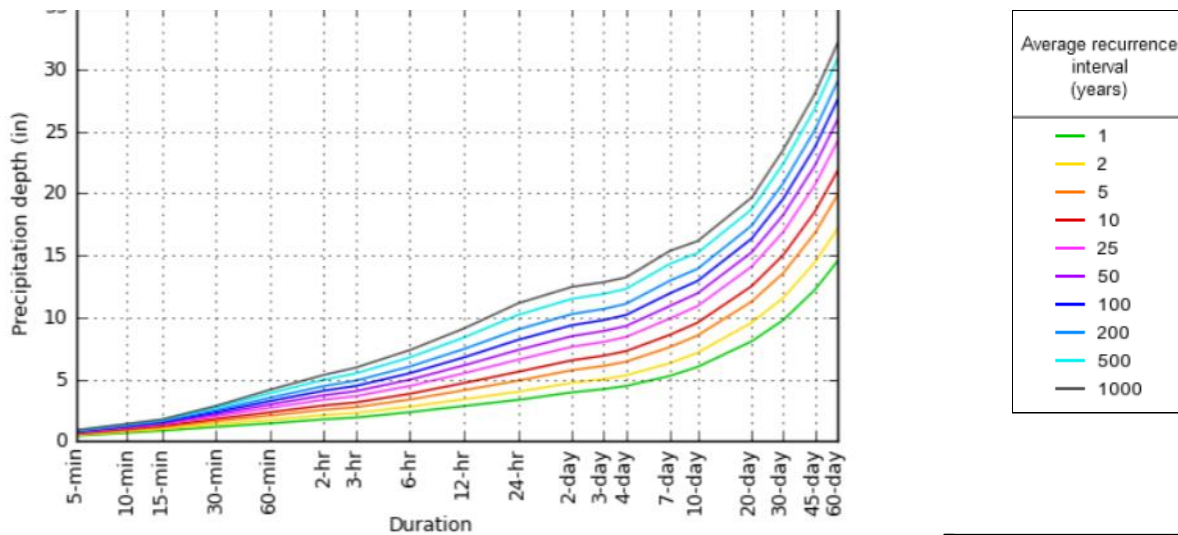
PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches) ¹										
Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	0.420 (0.393-0.452)	0.492 (0.459-0.529)	0.559 (0.521-0.599)	0.610 (0.568-0.656)	0.673 (0.624-0.722)	0.717 (0.663-0.769)	0.761 (0.701-0.817)	0.801 (0.733-0.860)	0.849 (0.772-0.913)	0.886 (0.800-0.954)
10-min	0.671 (0.627-0.722)	0.787 (0.735-0.846)	0.894 (0.834-0.960)	0.976 (0.908-1.05)	1.07 (0.995-1.15)	1.14 (1.06-1.23)	1.21 (1.11-1.30)	1.27 (1.16-1.36)	1.34 (1.22-1.45)	1.40 (1.26-1.50)
15-min	0.839 (0.784-0.903)	0.989 (0.924-1.06)	1.13 (1.06-1.21)	1.24 (1.15-1.33)	1.36 (1.26-1.46)	1.45 (1.34-1.55)	1.53 (1.41-1.64)	1.60 (1.47-1.72)	1.69 (1.54-1.82)	1.75 (1.58-1.89)
30-min	1.15 (1.08-1.24)	1.37 (1.28-1.47)	1.61 (1.50-1.73)	1.79 (1.67-1.92)	2.01 (1.87-2.16)	2.18 (2.01-2.34)	2.34 (2.16-2.51)	2.49 (2.28-2.68)	2.69 (2.45-2.89)	2.84 (2.56-3.05)
60-min	1.43 (1.34-1.54)	1.71 (1.60-1.84)	2.06 (1.92-2.21)	2.33 (2.17-2.50)	2.68 (2.49-2.88)	2.95 (2.73-3.17)	3.23 (2.97-3.46)	3.50 (3.20-3.75)	3.86 (3.51-4.15)	4.14 (3.74-4.46)
2-hr	1.76 (1.64-1.89)	2.10 (1.96-2.26)	2.54 (2.36-2.72)	2.88 (2.68-3.09)	3.34 (3.09-3.57)	3.70 (3.41-3.96)	4.07 (3.73-4.35)	4.44 (4.06-4.76)	4.95 (4.48-5.31)	5.34 (4.81-5.74)
3-hr	1.90 (1.77-2.05)	2.26 (2.11-2.44)	2.73 (2.55-2.95)	3.11 (2.89-3.35)	3.62 (3.35-3.89)	4.03 (3.71-4.33)	4.44 (4.08-4.78)	4.87 (4.44-5.24)	5.46 (4.93-5.87)	5.92 (5.31-6.37)
6-hr	2.33 (2.17-2.52)	2.78 (2.59-3.01)	3.35 (3.12-3.62)	3.82 (3.54-4.12)	4.45 (4.11-4.79)	4.95 (4.56-5.33)	5.47 (5.01-5.89)	6.01 (5.47-6.47)	6.75 (6.08-7.28)	7.34 (6.55-7.92)
12-hr	2.83 (2.62-3.06)	3.38 (3.13-3.66)	4.10 (3.80-4.44)	4.68 (4.33-5.06)	5.47 (5.04-5.90)	6.10 (5.60-6.58)	6.75 (6.15-7.29)	7.43 (6.72-8.02)	8.35 (7.49-9.02)	9.08 (8.09-9.84)
24-hr	3.33 (3.10-3.58)	3.98 (3.71-4.29)	4.87 (4.53-5.25)	5.59 (5.19-6.01)	6.56 (6.07-7.05)	7.35 (6.77-7.89)	8.16 (7.49-8.77)	9.00 (8.22-9.69)	10.2 (9.20-11.0)	11.1 (9.97-12.0)
2-day	3.93 (3.68-4.21)	4.70 (4.39-5.03)	5.72 (5.34-6.12)	6.52 (6.07-6.97)	7.61 (7.06-8.13)	8.47 (7.83-9.06)	9.35 (8.60-10.0)	10.2 (9.37-11.0)	11.5 (10.4-12.4)	12.4 (11.2-13.4)
3-day	4.19 (3.93-4.47)	5.00 (4.69-5.34)	6.06 (5.68-6.47)	6.89 (6.44-7.35)	8.00 (7.46-8.54)	8.87 (8.24-9.48)	9.76 (9.02-10.4)	10.7 (9.79-11.4)	11.9 (10.8-12.8)	12.8 (11.6-13.8)
4-day	4.45 (4.18-4.74)	5.31 (4.99-5.65)	6.41 (6.02-6.82)	7.26 (6.81-7.73)	8.40 (7.85-8.95)	9.28 (8.65-9.90)	10.2 (9.44-10.9)	11.1 (10.2-11.9)	12.3 (11.2-13.2)	13.2 (12.0-14.2)
7-day	5.26 (4.94-5.60)	6.28 (5.90-6.68)	7.58 (7.12-8.06)	8.57 (8.03-9.11)	9.88 (9.23-10.5)	10.9 (10.2-11.6)	11.9 (11.1-12.7)	12.9 (11.9-13.8)	14.3 (13.1-15.3)	15.3 (13.9-16.5)
10-day	5.98 (5.62-6.36)	7.13 (6.70-7.58)	8.52 (8.00-9.05)	9.55 (8.96-10.2)	10.9 (10.2-11.6)	11.9 (11.1-12.7)	12.9 (12.0-13.7)	13.9 (12.9-14.8)	15.2 (14.0-16.2)	16.1 (14.8-17.3)
20-day	8.05 (7.57-8.55)	9.55 (8.99-10.1)	11.3 (10.6-11.9)	12.5 (11.7-13.3)	14.1 (13.2-14.9)	15.2 (14.2-16.2)	16.3 (15.2-17.3)	17.4 (16.2-18.5)	18.7 (17.3-19.9)	19.6 (18.1-21.0)
30-day	9.77 (9.21-10.3)	11.6 (10.9-12.3)	13.5 (12.8-14.4)	15.0 (14.1-15.9)	16.9 (15.8-17.9)	18.2 (17.1-19.3)	19.6 (18.3-20.7)	20.8 (19.4-22.1)	22.4 (20.8-23.8)	23.5 (21.7-25.1)
45-day	12.2 (11.5-12.9)	14.4 (13.6-15.3)	16.8 (15.8-17.8)	18.5 (17.4-19.6)	20.7 (19.4-21.9)	22.2 (20.9-23.6)	23.7 (22.2-25.2)	25.1 (23.4-26.7)	26.8 (24.9-28.6)	28.0 (26.0-29.9)
60-day	14.5 (13.7-15.3)	17.1 (16.1-18.1)	19.8 (18.7-21.0)	21.8 (20.5-23.0)	24.2 (22.7-25.6)	25.9 (24.3-27.4)	27.5 (25.8-29.1)	29.0 (27.1-30.7)	30.8 (28.7-32.7)	32.0 (29.8-34.1)

¹ Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS). Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values. Please refer to NOAA Atlas 14 document for more information.

[Back to Top](#)

PF graphical


[Back to Top](#)

Maps & aeriels

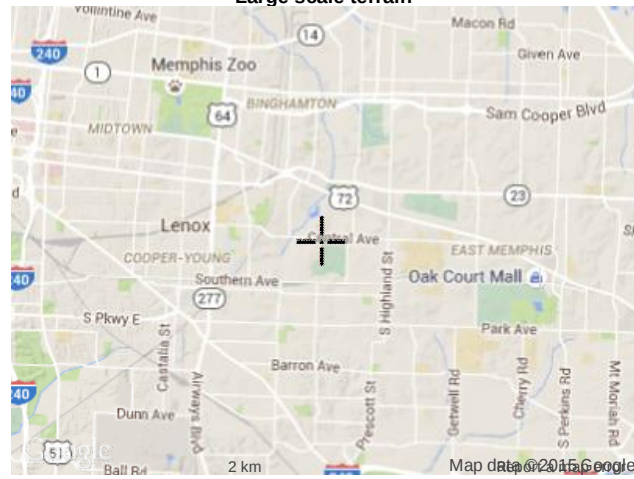
NOAA Atlas 14, Volume 2, Version 3

Created (GMT): Fri Jul 31 18:39:24 2015

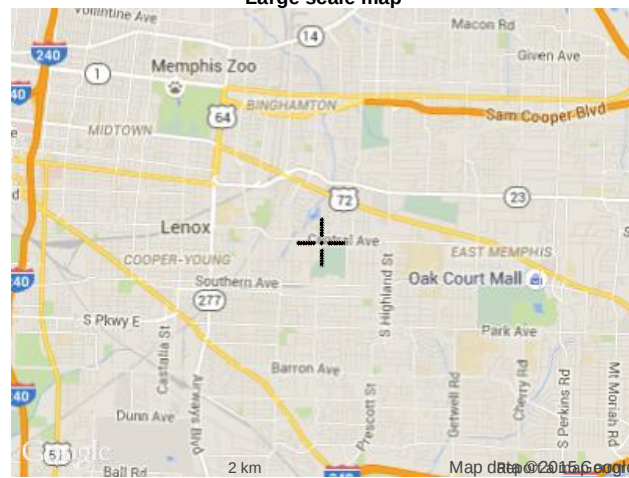
Small scale terrain



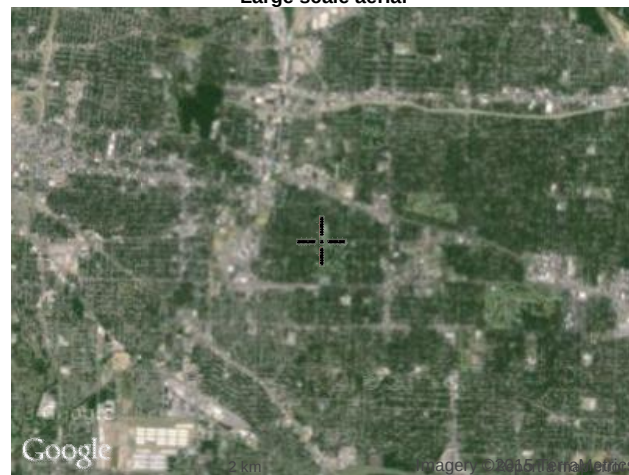
Large scale terrain



Large scale map



Large scale aerial

[Back to Top](#)

[US Department of Commerce](#)
[National Oceanic and Atmospheric Administration](#)
[National Weather Service](#)
[Office of Hydrologic Development](#)
1325 East West Highway
Silver Spring, MD 20910

Questions?: HDSC.Questions@noaa.gov

[Disclaimer](#)