

Measuring Urban Growth in New Jersey: A report on recent land development patterns utilizing the 1986 - 1995 NJDEP land use / land cover dataset

APPENDIX E - MUNICIPAL CHANGE STATISTICS

The following tables summarize land use / land cover changes by municipality which occurred between 1986 and 1995. The column fields represent the following variables:

AREA ACRES	– total land of each municipality in acres
AVAIL AC	– acres of estimated land available for further development as of 1995. The field was generated by estimating the number of acres of forest, agriculture and barren lands as of 1995 and then removing protected land and steep slopes above 15% through an overlay process within a GIS. While this method provides a reasonable estimate for a general overview, a more detailed build-out analysis should be performed by individual municipalities for a more precise estimate of available land for any management or planning purposes.
IS AC	- acres of impervious surface within the municipality estimated from the NJDEP land cover data as of 1995
URBAN	- acres of urban (i.e. ‘developed’) land use/land cover within the municipality
AGRICULTURE	- acres of agricultural land use/land cover within the municipality
FOREST	- acres of forested land use/land cover within the municipality
WATER	- acres of water land cover within the municipality
WETLANDS	- acres of estimated wetlands within the municipality
BARREN	- acres of barren land usually denoting lands under construction, quarries and sandy areas.

NOTE: the estimate of wetlands provided in this table utilized the Anderson level III classification code (class code 6XXX for the LU86 and LU95 fields) for wetlands within the DEP dataset. However, there are a number of different methods for summarizing land use change that can yield significantly different totals particularly regarding wetlands. See page 4 of this report for an explanation of the methods utilized in these tables and how they compare to the New Jersey DEP land use summarization methodology.

Appendix E

Atlantic County Municipalities

Measuring Urban Growth in New Jersey
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Atlantic County

FIPS	MUNICIPALITY	AREA ACRES	AVAILABLE	IMPERVIOUS	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
1005	ABSECON CITY 1986	4664			1386	9	620	1115	1514	21
1005	ABSECON CITY 1995		541	491	1488	4	530	1115	1485	43
1010	ATLANTIC CITY 1986	10068			2570	0	273	3213	3842	166
1010	ATLANTIC CITY 1995		442	1536	2620	0	258	3212	3786	188
1015	BRIGANTINE CITY 1986	6683			1437	0	44	2372	2534	293
1015	BRIGANTINE CITY 1995		90	617	1518	0	24	2378	2536	224
1020	BUENA BORO 1986	4865			1159	2560	884	0	236	29
1020	BUENA BORO 1995		3265	306	1195	2468	949	0	232	24
1025	BUENA VISTA TWP 1986	26507			2870	4482	14575	309	3865	406
1025	BUENA VISTA TWP 1995		19045	632	3161	4385	14532	324	3779	326
1030	CORBIN CITY 1986	5715			163	311	532	817	3894	5
1030	CORBIN CITY 1995		796	39	200	272	536	817	3890	7
1040	EGG HARBOR TWP 1986	48413			8718	1368	19134	5474	12612	1086
1040	EGG HARBOR TWP 1995		18357	2740	9880	1137	18154	5541	12445	1235
1042	EGG HARBOR CITY 1986	7648			867	40	1667	444	4589	35
1042	EGG HARBOR CITY 1995		1740	290	872	38	1688	444	4586	14
1045	ESTELL MANOR CITY 1986	35252			860	788	18708	1679	13127	76
1045	ESTELL MANOR CITY 1995		14906	166	1096	778	18504	1680	13087	93
1050	FOLSOM BORO 1986	5410			754	440	2778	149	1227	61
1050	FOLSOM BORO 1995		3195	227	799	427	2743	149	1228	63
1055	GALLOWAY TWP 1986	71300			6168	3862	20456	15193	24930	720
1055	GALLOWAY TWP 1995		21679	1782	7773	3570	19129	15373	24719	765
1060	HAMILTON TWP 1986	72396			5577	3409	38343	1231	22856	982
1060	HAMILTON TWP 1995		35456	1698	6681	3428	37420	1337	22632	900
1065	HAMMONTON TOWN 1986	26509			3535	8081	7563	349	6724	255
1065	HAMMONTON TOWN 1995		11304	1030	3806	7804	7574	352	6517	454
1070	LINWOOD CITY 1986	2727			1332	36	134	257	959	14
1070	LINWOOD CITY 1995		117	428	1408	15	87	257	947	18
1075	LONGPORT BORO 1986	366			226	0	0	123	0	22
1075	LONGPORT BORO 1995		21	113	226	0	0	121	0	24
1080	MARGATE CITY 1986	1044			805	0	8	136	45	53
1080	MARGATE CITY 1995		31	437	820	0	3	136	35	53
1085	MULLICA TWP 1986	36381			2407	2931	19407	383	11054	196
1085	MULLICA TWP 1995		19706	542	2618	3096	19049	385	10992	238
1090	NORTHFIELD CITY 1986	2208			1457	23	258	20	445	9
1090	NORTHFIELD CITY 1995		271	503	1493	9	241	20	428	21
1095	PLEASANTVILLE CITY 1986	4717			2063	1	488	1027	1078	65
1095	PLEASANTVILLE CITY 1995		483	849	2133	1	436	1027	1068	57
1100	PORT REPUBLIC CITY 1986	5490			584	173	1276	707	2712	27
1100	PORT REPUBLIC CITY 1995		1329	112	645	114	1306	706	2701	7
1105	SOMERS POINT CITY 1986	3179			1555	0	176	635	799	18
1105	SOMERS POINT CITY 1995		147	619	1602	0	145	635	788	13
1110	VENTNOR CITY 1986	1620			784	0	27	367	400	41
1110	VENTNOR CITY 1995		70	369	790	0	27	367	388	47
1115	WEYMOUTH TWP 1986	7972			771	210	5273	187	1506	31
1115	WEYMOUTH TWP 1995		5336	163	901	208	5155	187	1504	23

Appendix E [Municipal Level Land Change Table]
Bergen County Municipalities

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Bergen County

FIPS	MUNICIPALITY	AREA ACRES	AVAILABLE	IMPERVIOUS	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
3005	ALLENDALE BORO 1986	1991			1440	21	262	21	235	9
3005	ALLENDALE BORO 1995		260	436	1499	8	226	22	210	23
3010	ALPINE BORO 1986	5961			1196	12	2737	1859	119	44
3010	ALPINE BORO 1995		1184	248	1259	12	2668	1859	118	51
3015	BERGENFIELD BORO 1986	1869			1764	0	40	6	51	0
3015	BERGENFIELD BORO 1995		40	703	1764	0	40	6	51	0
3020	BOGOTA BORO 1986	521			485	0	7	30	0	0
3020	BOGOTA BORO 1995		7	224	485	0	7	30	0	0
3025	CARLSTADT BORO 1986	2783			1411	0	100	208	1059	9
3025	CARLSTADT BORO 1995		116	1000	1406	0	118	208	1053	2
3030	CLIFFSIDE PARK BORO 1986	606			596	0	7	0	0	0
3030	CLIFFSIDE PARK BORO 1995		1	348	596	0	7	0	0	0
3035	CLOSTER BORO 1986	2113			1424	26	250	117	265	27
3035	CLOSTER BORO 1995		198	513	1447	32	237	117	256	20
3040	CRESSKILL BORO 1986	1339			1239	0	74	5	16	0
3040	CRESSKILL BORO 1995		57	387	1255	0	58	5	16	0
3045	DEMAREST BORO 1986	1311			978	0	212	7	111	7
3045	DEMAREST BORO 1995		198	262	1000	0	191	7	110	7
3050	DUMONT BORO 1986	1252			1241	6	13	1	0	0
3050	DUMONT BORO 1995		22	488	1241	6	13	1	0	0
3060	EAST RUTHERFORD BORO 1986	2595			1589	0	124	244	625	14
3060	EAST RUTHERFORD BORO 1995		165	966	1564	0	127	245	622	38
3065	EDGEWATER BORO 1986	1519			538	0	88	889	1	0
3065	EDGEWATER BORO 1995		26	253	525	0	86	890	1	14
3067	ELMWOOD PARK BORO 1986	1772			1585	0	74	69	44	0
3067	ELMWOOD PARK BORO 1995		73	796	1592	0	69	69	38	4
3070	EMERSON BORO 1986	1544			1026	8	284	100	128	0
3070	EMERSON BORO 1995		78	358	1041	8	264	100	127	6
3075	ENGLEWOOD CITY 1986	3170			2848	0	238	14	36	39
3075	ENGLEWOOD CITY 1995		220	1177	2902	0	221	14	35	3
3080	ENGLEWOOD CLIFFS BORO 1986	2149			931	0	374	823	4	18
3080	ENGLEWOOD CLIFFS BORO 1995		105	396	947	0	371	823	3	6
3085	FAIR LAWN BORO 1986	3342			3165	0	63	51	60	8
3085	FAIR LAWN BORO 1995		72	1372	3164	0	64	51	60	8
3090	FAIRVIEW BORO 1986	552			518	0	34	0	0	0
3090	FAIRVIEW BORO 1995		31	295	521	0	31	0	0	0
3095	FORT LEE BORO 1986	1854			1411	0	182	254	4	4
3095	FORT LEE BORO 1995		68	797	1412	0	185	254	3	1
3100	FRANKLIN LAKES BORO 1986	6304			4070	22	1423	307	474	11
3100	FRANKLIN LAKES BORO 1995		1048	866	4285	22	1220	304	437	39
3105	GARFIELD CITY 1986	1412			1346	0	13	53	0	1
3105	GARFIELD CITY 1995		14	673	1346	0	13	53	0	1
3110	GLEN ROCK BORO 1986	1735			1562	0	71	9	84	4
3110	GLEN ROCK BORO 1995		59	598	1583	0	56	9	79	3
3115	HACKENSACK CITY 1986	2770			2562	0	93	91	21	3
3115	HACKENSACK CITY 1995		64	1578	2567	0	92	91	20	0
3120	HARRINGTON PARK BORO 1986	1318			778	18	231	170	120	2
3120	HARRINGTON PARK BORO 1995		89	232	788	18	223	170	110	10
3125	HASBROUCK HEIGHTS BORO 1986	956			916	0	26	3	12	0
3125	HASBROUCK HEIGHTS BORO 1995		22	457	917	0	25	3	12	0
3130	HAWORTH BORO 1986	1518			840	0	284	276	114	6
3130	HAWORTH BORO 1995		175	217	849	0	279	276	111	5

Appendix E [Municipal Level Land Change Table]
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3135	HILLSDALE BORO 1986	1850			1511	15	185	23	111	9
3135	HILLSDALE BORO 1995		174	534	1521	11	179	23	110	10
3140	HOHOKUS BORO 1986	1119			923	0	121	11	64	0
3140	HOHOKUS BORO 1995		106	269	930	0	115	11	63	0
3145	LEONIA BORO 1986	1040			827	0	143	58	7	0
3145	LEONIA BORO 1995		39	328	831	0	139	58	7	0
3150	LITTLE FERRY BORO 1986	1033			763	0	55	138	80	4
3150	LITTLE FERRY BORO 1995		46	402	776	0	46	138	80	0
3155	LODI BORO 1986	1462			1420	0	24	9	12	0
3155	LODI BORO 1995		54	777	1395	0	49	9	7	5
3160	LYNDHURST TWP 1986	3213			1601	0	220	648	464	276
3160	LYNDHURST TWP 1995		493	753	1606	0	193	606	503	301
3165	MAHWAH TWP 1986	16836			4531	157	10362	316	1317	149
3165	MAHWAH TWP 1995		2807	1646	5238	137	9740	339	1207	171
3170	MAYWOOD BORO 1986	830			818	3	2	2	5	0
3170	MAYWOOD BORO 1995		6	373	817	3	3	2	5	0
3175	MIDLAND PARK BORO 1986	1007			955	0	39	3	5	0
3175	MIDLAND PARK BORO 1995		34	398	960	0	34	3	5	0
3180	MONTVALE BORO 1986	2577			1981	71	396	4	121	0
3180	MONTVALE BORO 1995		444	693	2010	43	405	4	111	0
3185	MOONACHIE BORO 1986	1034			669	0	34	9	316	5
3185	MOONACHIE BORO 1995		40	409	676	0	34	9	308	6
3190	NEW MILFORD BORO 1986	1485			1340	8	56	37	44	0
3190	NEW MILFORD BORO 1995		60	508	1353	0	52	29	43	8
3195	NORTH ARLINGTON BORO 1986	1575			1101	0	120	82	93	178
3195	NORTH ARLINGTON BORO 1995		304	439	1096	0	134	81	90	173
3200	NORTHVALE BORO 1986	806			744	0	18	1	34	7
3200	NORTHVALE BORO 1995		30	355	745	0	18	1	28	12
3205	NORWOOD BORO 1986	1780			996	0	394	12	334	43
3205	NORWOOD BORO 1995		335	337	1082	0	342	12	305	38
3210	OAKLAND BORO 1986	5597			2484	2	2682	175	228	29
3210	OAKLAND BORO 1995		1315	889	2490	7	2600	172	215	116
3215	OLD TAPPAN BORO 1986	2679			1238	57	576	553	252	0
3215	OLD TAPPAN BORO 1995		318	359	1311	17	521	553	246	28
3220	ORADELL BORO 1986	1622			1371	0	122	89	32	0
3220	ORADELL BORO 1995		48	452	1375	0	118	89	32	0
3225	PALISADES PARK BORO 1986	817			703	0	82	22	11	0
3225	PALISADES PARK BORO 1995		43	377	689	0	89	22	11	7
3230	PARAMUS BORO 1986	6719			5670	18	523	28	439	34
3230	PARAMUS BORO 1995		463	2490	5727	10	481	25	412	57
3235	PARK RIDGE BORO 1986	1669			1347	0	169	10	135	7
3235	PARK RIDGE BORO 1995		134	522	1381	0	140	10	127	10
3240	RAMSEY BORO 1986	3586			2626	14	586	48	304	4
3240	RAMSEY BORO 1995		506	1023	2711	13	522	48	282	6
3245	RIDGEFIELD BORO 1986	1823			1198	0	137	208	278	2
3245	RIDGEFIELD BORO 1995		100	682	1238	0	101	205	278	1
3250	RIDGEFIELD PARK VILLAGE 1986	1252			917	0	174	139	20	0
3250	RIDGEFIELD PARK VILLAGE 1995		94	452	931	0	161	139	19	0
3255	RIDGEWOOD VILLAGE 1986	3732			3340	7	242	54	93	0
3255	RIDGEWOOD VILLAGE 1995		174	1204	3348	7	233	52	93	3
3260	RIVER EDGE BORO 1986	1205			1074	0	67	25	34	7
3260	RIVER EDGE BORO 1995		44	445	1074	0	72	25	34	2
3265	RIVER VALE TWP 1986	2751			2037	0	321	156	241	0

Appendix E [Municipal Level Land Change Table]
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FIPS	MUNICIPALITY	AREA ACRES	AVAILABLE	IMPERVIOUS	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
3265	RIVER VALE TWP 1995		122	559	2081	0	282	156	236	0
3270	ROCHELLE PARK TWP 1986	669			591	0	27	10	38	0
3270	ROCHELLE PARK TWP 1995		19	282	591	0	27	10	37	1
3275	ROCKLEIGH BORO 1986	650			396	13	180	3	61	0
3275	ROCKLEIGH BORO 1995		174	122	409	13	168	3	60	0
3280	RUTHERFORD BORO 1986	1857			1429	0	134	84	216	0
3280	RUTHERFORD BORO 1995		139	662	1425	0	134	84	215	5
3285	SADDLE BROOK TWP 1986	1745			1645	0	52	22	20	7
3285	SADDLE BROOK TWP 1995		69	776	1626	0	64	22	20	14
3290	SADDLE RIVER BORO 1986	3197			2026	72	840	45	203	0
3290	SADDLE RIVER BORO 1995		766	363	2145	58	736	45	198	4
3295	SOUTH HACKENSACK TWP 1986	508			461	0	1	17	28	0
3295	SOUTH HACKENSACK TWP 1995		1	310	463	0	1	17	26	0
3300	TEANECK TWP 1986	3986			3400	3	310	141	125	10
3300	TEANECK TWP 1995		229	1352	3412	3	311	142	121	0
3305	TENAFLY BORO 1986	3306			2179	0	607	411	97	14
3305	TENAFLY BORO 1995		419	670	2182	0	605	411	96	14
3310	TETERBORO BORO 1986	734			687	0	17	1	28	0
3310	TETERBORO BORO 1995		21	416	683	0	21	1	28	0
3315	UPPER SADDLE RIVER BORO 1986	3350			2741	52	326	9	205	24
3315	UPPER SADDLE RIVER BORO 1995		333	637	2812	24	310	9	198	4
3320	WALDWICK BORO 1986	1328			1211	0	67	13	40	1
3320	WALDWICK BORO 1995		77	505	1220	0	59	13	39	1
3325	WALLINGTON BORO 1986	674			610	0	26	42	0	0
3325	WALLINGTON BORO 1995		15	306	613	0	23	42	0	0
3330	WASHINGTON TWP 1986	1912			1539	0	246	31	91	3
3330	WASHINGTON TWP 1995		221	495	1565	0	226	30	84	5
3335	WESTWOOD BORO 1986	1464			1254	0	117	29	64	0
3335	WESTWOOD BORO 1995		110	529	1263	0	110	29	59	3
3340	WOODCLIFF LAKE BORO 1986	2302			1571	119	361	112	145	3
3340	WOODCLIFF LAKE BORO 1995		333	461	1644	68	321	112	143	23
3345	WOOD-RIDGE BORO 1986	701			672	0	22	0	4	0
3345	WOOD-RIDGE BORO 1995		22	394	674	0	20	0	4	0
3350	WYCKOFF TWP 1986	4253			3546	33	493	33	134	14
3350	WYCKOFF TWP 1995		415	1022	3663	26	401	22	113	28

Appendix E [Municipal Level Land Change Table]
Burlington County Municipalities

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Burlington County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
5005	BASS RIVER TWP 1986	50168			998	648	29622	2088	16608	166
5005	BASS RIVER TWP 1995		11357	223	1046	654	29680	2084	16495	171
5010	BEVERLY CITY 1986	493			298	0	29	148	10	10
5010	BEVERLY CITY 1995		39	115	298	0	29	148	10	10
5015	BORDENTOWN CITY 1986	617			432	0	71	20	92	0
5015	BORDENTOWN CITY 1995		81	188	429	0	71	20	92	3
5020	BORDENTOWN TWP 1986	5765			1727	1045	1055	350	1408	175
5020	BORDENTOWN TWP 1995		2093	780	2022	857	1033	366	1293	189
5025	BURLINGTON CITY 1986	2391			1335	54	356	465	114	70
5025	BURLINGTON CITY 1995		453	575	1363	28	383	465	113	42
5030	BURLINGTON TWP 1986	8936			2705	2203	2452	334	1164	78
5030	BURLINGTON TWP 1995		4021	1265	3532	1314	2352	334	1049	355
5035	CHESTERFIELD TWP 1986	13947			1164	8902	1221	51	2504	104
5035	CHESTERFIELD TWP 1995		6378	364	1750	8261	1289	61	2456	129
5040	CINNAMINSON TWP 1986	5133			3376	311	509	345	376	209
5040	CINNAMINSON TWP 1995		820	1391	3553	233	455	345	369	171
5045	DELANCO TWP 1986	2157			643	398	301	651	118	49
5045	DELANCO TWP 1995		697	291	696	354	320	648	118	24
5050	DELTRAN TWP 1986	4663			2340	568	826	418	454	60
5050	DELTRAN TWP 1995		1188	948	2631	404	623	417	433	158
5055	EASTAMPTON TWP 1986	3746			682	1509	362	48	1052	88
5055	EASTAMPTON TWP 1995		1648	326	1015	1126	405	48	1042	105
5060	EDGEWATER PARK TWP 1986	1960			1307	277	271	92	3	6
5060	EDGEWATER PARK TWP 1995		490	488	1371	194	271	92	3	25
5065	EVESHAM TWP 1986	19001			5069	3078	4842	250	5224	534
5065	EVESHAM TWP 1995		7255	2331	6552	2263	4650	279	4950	303
5070	FIELDSBORO BORO 1986	304			98	3	45	101	57	0
5070	FIELDSBORO BORO 1995		45	35	101	2	41	101	57	2
5075	FLORENCE TWP 1986	6507			1766	2270	1316	261	862	39
5075	FLORENCE TWP 1995		3347	659	1991	1939	1333	264	840	147
5080	HAINESPORT TWP 1986	4363			1190	1060	1150	157	713	102
5080	HAINESPORT TWP 1995		1816	425	1371	849	1132	160	703	157
5090	LUMBERTON TWP 1986	8336			1321	4941	644	58	1344	35
5090	LUMBERTON TWP 1995		4549	711	2088	4053	684	61	1258	199
5095	MANSFIELD TWP 1986	14041			1503	8660	1394	82	2273	130
5095	MANSFIELD TWP 1995		8282	732	2219	7804	1455	103	2176	285
5100	MAPLE SHADE TWP 1986	2454			2034	13	204	13	166	22
5100	MAPLE SHADE TWP 1995		208	983	2076	13	183	13	158	9
5105	MEDFORD TWP 1986	25532			5520	4366	6746	650	8167	87
5105	MEDFORD TWP 1995		9736	1782	6673	3991	6099	653	8017	103
5110	MEDFORD LAKES BORO 1986	799			696	0	20	82	5	0
5110	MEDFORD LAKES BORO 1995		25	191	696	0	20	82	5	0
5115	MOORESTOWN TWP 1986	9552			4342	2774	953	157	1075	253
5115	MOORESTOWN TWP 1995		2954	1687	5420	1884	944	179	951	176
5120	MOUNT HOLLY TWP 1986	1851			1301	38	204	36	150	118
5120	MOUNT HOLLY TWP 1995		345	550	1333	21	187	42	147	117
5125	MOUNT LAUREL TWP 1986	14048			5122	3658	1711	155	2777	617
5125	MOUNT LAUREL TWP 1995		4294	2798	7154	2100	1694	195	2378	519
5130	NEW HANOVER TWP 1986	14360			4928	832	4570	145	3722	158
5130	NEW HANOVER TWP 1995		894	1565	5002	741	4605	164	3657	186
5135	NORTH HANOVER TWP 1986	10946			1499	5932	1979	82	1395	68
5135	NORTH HANOVER TWP 1995		5873	444	1962	5454	1996	102	1352	89
5140	PALMYRA BORO 1986	1533			785	0	310	333	40	65
5140	PALMYRA BORO 1995		355	351	815	0	291	333	35	59
5145	PEMBERTON BORO 1986	395			186	36	92	13	70	0
5145	PEMBERTON BORO 1995		109	70	193	7	117	13	63	4
5150	PEMBERTON TWP 1986	40296			5419	8191	14127	770	11477	308
5150	PEMBERTON TWP 1995		14465	1607	5531	7976	14288	770	11356	371
5155	RIVERSIDE TWP 1986	1044			750	0	64	98	126	0

Appendix E [Municipal Level Land Change Table]
Burlington County Municipalities

Measuring Urban Growth in New Jersey
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FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
5155	RIVERSIDE TWP 1995		47	316	770	0	45	98	125	0
5160	RIVERTON BORO 1986	610			400	0	21	179	9	0
5160	RIVERTON BORO 1995		17	138	401	0	17	179	12	0
5165	SHAMONG TWP 1986	28910			1768	3495	12897	339	10322	91
5165	SHAMONG TWP 1995		6114	448	2217	3400	12625	345	10241	84
5170	SOUTHAMPTON TWP 1986	28028			2977	10518	5126	309	8912	172
5170	SOUTHAMPTON TWP 1995		14061	855	3548	10190	4918	333	8819	206
5175	SPRINGFIELD TWP 1986	18726			1545	11926	1638	19	3461	122
5175	SPRINGFIELD TWP 1995		10886	409	1958	11258	1803	19	3379	294
5180	TABERNACLE TWP 1986	31718			2628	3801	16807	311	7980	193
5180	TABERNACLE TWP 1995		11691	588	3153	3720	16458	288	7914	187
5185	WASHINGTON TWP 1986	66071			615	2404	36109	2085	24731	139
5185	WASHINGTON TWP 1995		6277	120	649	2409	36103	2077	24603	242
5190	WESTAMPTON TWP 1986	7106			1603	3114	1049	81	1252	7
5190	WESTAMPTON TWP 1995		3104	748	2150	2484	1033	93	1224	122
5192	WILLINGBORO TWP 1986	5200			4222	34	299	251	394	2
5192	WILLINGBORO TWP 1995		319	1519	4249	18	280	251	393	11
5195	WOODLAND TWP 1986	61174			835	2483	40470	1031	15894	467
5195	WOODLAND TWP 1995		23678	198	933	2826	40047	1118	15621	635
5200	WRIGHTSTOWN BORO 1986	1328			643	60	362	0	245	20
5200	WRIGHTSTOWN BORO 1995		130	113	654	32	392	0	245	7

Appendix E [Municipal Level Land Change Table]
Camden County Municipalities

Measuring Urban Growth in New Jersey
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Camden County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
7005	AUDUBON BORO 1986	950			901	0	27	6	17	0
7005	AUDUBON BORO 1995		24	377	904	0	24	6	17	0
7010	AUDUBON PARK BORO 1986	104			87	0	2	14	0	0
7010	AUDUBON PARK BORO 1995		2	29	87	0	2	14	0	0
7015	BARRINGTON BORO 1986	1017			875	0	131	0	15	1
7015	BARRINGTON BORO 1995		135	371	875	4	127	0	14	2
7020	BELLMAWR BORO 1986	2010			1518	0	177	110	112	94
7020	BELLMAWR BORO 1995		275	704	1516	0	227	51	174	43
7025	BERLIN BORO 1986	2332			1278	365	474	11	193	13
7025	BERLIN BORO 1995		757	507	1369	251	425	12	181	96
7030	BERLIN TWP 1986	2090			1027	87	829	3	103	38
7030	BERLIN TWP 1995		765	493	1239	19	692	13	71	53
7035	BROOKLAWN BORO 1986	335			226	0	12	30	63	3
7035	BROOKLAWN BORO 1995		15	111	227	0	12	30	62	3
7040	CAMDEN CITY 1986	6655			5067	0	341	984	212	59
7040	CAMDEN CITY 1995		466	2892	4983	0	369	988	180	143
7043	CHERRY HILL TWP 1986	15539			11878	752	1319	90	1489	15
7043	CHERRY HILL TWP 1995		1772	5208	12243	276	1369	91	1402	162
7045	CHESILHURST BORO 1986	1098			367	15	694	1	19	6
7045	CHESILHURST BORO 1995		707	85	384	13	681	1	19	4
7050	CLEMENTON BORO 1986	1275			764	3	282	27	202	0
7050	CLEMENTON BORO 1995		251	312	782	3	265	27	201	0
7055	COLLINGSWOOD BORO 1986	1250			1166	0	14	70	3	0
7055	COLLINGSWOOD BORO 1995		16	490	1167	0	13	70	3	0
7065	GIBBSBORO BORO 1986	1462			540	36	581	30	261	20
7065	GIBBSBORO BORO 1995		623	189	562	20	576	30	257	23
7075	GLOUCESTER TWP 1986	14880			7169	1404	4365	192	1146	603
7075	GLOUCESTER TWP 1995		5388	2775	8143	770	3901	219	1096	750
7077	GLOUCESTER CITY 1986	1831			1301	0	100	312	112	4
7077	GLOUCESTER CITY 1995		125	630	1282	0	115	309	109	14
7080	HADDON TWP (EAST) 1986	1804			1513	0	112	68	92	7
7080	HADDON TWP (EAST) 1995		99	664	1527	0	106	68	83	8
7085	HADDONFIELD BORO 1986	1784			1583	0	114	22	70	0
7085	HADDONFIELD BORO 1995		97	586	1579	0	118	22	70	0
7090	HADDON HEIGHTS BORO 1986	1007			916	0	77	0	10	0
7090	HADDON HEIGHTS BORO 1995		49	365	918	0	75	0	10	0
7095	HI-NELLA BORO 1986	148			129	0	18	0	4	0
7095	HI-NELLA BORO 1995		17	44	129	0	18	0	4	0
7100	LAUREL SPRINGS BORO 1986	297			275	0	19	4	0	0
7100	LAUREL SPRINGS BORO 1995		19	108	275	0	19	4	0	0
7105	LAWNSIDE BORO 1986	910			605	12	259	0	36	0
7105	LAWNSIDE BORO 1995		277	271	606	0	271	0	35	0
7110	LINDENWOLD BORO 1986	2450			1601	12	435	29	311	63
7110	LINDENWOLD BORO 1995		501	702	1637	10	404	29	284	87
7115	MAGNOLIA BORO 1986	634			547	0	59	0	26	1
7115	MAGNOLIA BORO 1995		55	221	552	0	54	0	26	1
7120	MERCHANTVILLE BORO 1986	384			384	0	0	0	0	0
7120	MERCHANTVILLE BORO 1995		0	148	384	0	0	0	0	0
7125	MOUNT EPHRAIM BORO 1986	563			475	0	44	20	27	0
7125	MOUNT EPHRAIM BORO 1995		43	203	476	0	43	20	27	0
7130	OAKLYN BORO 1986	446			372	0	24	51	0	0
7130	OAKLYN BORO 1995		24	157	372	0	24	51	0	0
7135	PENNSAUKEN TWP 1986	7790			5387	0	593	1132	365	311
7135	PENNSAUKEN TWP 1995		916	2613	5360	0	624	1129	356	319
7140	PINE HILL BORO 1986	2520			1120	79	840	20	361	89
7140	PINE HILL BORO 1995		885	423	1222	38	777	21	348	103
7145	PINE VALLEY BORO 1986	619			120	15	450	9	24	5
7145	PINE VALLEY BORO 1995		396	7	142	16	424	9	24	8
7150	RUNNEMEDE BORO 1986	1358			1005	0	218	42	80	12

Appendix E [Municipal Level Land Change Table]
Camden County Municipalities

Measuring Urban Growth in New Jersey
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<i>FIPS</i>	<i>MUNICIPALITY</i>	<i>AREA AC</i>	<i>AVAIL AC</i>	<i>IS AC</i>	<i>URBAN</i>	<i>AGRICULTURE</i>	<i>FOREST</i>	<i>WATER</i>	<i>WETLANDS</i>	<i>BARREN</i>	
7150	RUNNEMEDE BORO 1995			212	418	1016	0	206	33	89	13
7155	SOMERDALE BORO 1986	870			697	0	144	0	31	3	
7155	SOMERDALE BORO 1995		109	336	741	0	104	0	25	5	
7160	STRATFORD BORO 1986	1009			845	0	101	0	57	0	
7160	STRATFORD BORO 1995		117	389	834	0	113	0	55	1	
7165	TAVISTOCK BORO 1986	175			131	0	33	3	5	0	
7165	TAVISTOCK BORO 1995		2	11	134	0	30	3	5	0	
7170	VOORHEES TWP 1986	7430			3760	516	1858	111	787	388	
7170	VOORHEES TWP 1995		1892	1701	4684	199	1344	111	694	388	
7175	WATERFORD TWP 1986	23147			2708	2487	11855	144	5813	142	
7175	WATERFORD TWP 1995		4474	648	2931	2277	11877	151	5752	161	
7180	WINSLOW TWP 1986	37284			6824	7885	13246	538	7782	1006	
7180	WINSLOW TWP 1995		18371	2051	8264	6954	12859	565	7698	941	
7185	WOODLYNNE BORO 1986	136			128	0	0	2	7	0	
7185	WOODLYNNE BORO 1995		0	60	128	0	0	2	7	0	

Appendix E [Municipal Level Land Change Table]
Cape May County Municipalities

Measuring Urban Growth in New Jersey
Hasse & Lathrop CRSSA 2001

Cape May County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
9005	AVALON BORO 1986	3134			1077	0	14	487	1408	143
9005	AVALON BORO 1995		117	475	1081	0	12	498	1436	102
9010	CAPE MAY CITY 1986	1673			919	0	31	232	386	104
9010	CAPE MAY CITY 1995		103	412	962	0	18	235	348	109
9015	CAPE MAY POINT BORO 1986	210			142	0	14	16	20	21
9015	CAPE MAY POINT BORO 1995		23	49	144	0	13	21	21	14
9020	DENNIS TWP 1986	41094			2730	3025	12983	2267	19814	274
9020	DENNIS TWP 1995		9182	619	3492	2859	12398	2368	19548	428
9025	LOWER TWP 1986	19973			5254	2140	1942	2258	7844	531
9025	LOWER TWP 1995		3387	1758	5995	1706	1756	2314	7542	656
9030	MIDDLE TWP 1986	52996			5268	2911	8698	8056	27317	750
9030	MIDDLE TWP 1995		9363	1594	6369	2490	8207	8163	27005	766
9035	NORTH WILDWOOD CITY 1986	1553			821	0	39	350	217	117
9035	NORTH WILDWOOD CITY 1995		149	399	824	0	46	376	198	100
9040	OCEAN CITY 1986	7304			2201	0	22	2934	1950	205
9040	OCEAN CITY 1995		219	1169	2226	0	19	2929	1915	223
9045	SEA ISLE CITY 1986	1658			726	0	9	259	511	150
9045	SEA ISLE CITY 1995		149	350	729	0	8	274	504	140
9050	STONE HARBOR BORO 1986	1378			545	0	30	613	112	83
9050	STONE HARBOR BORO 1995		103	257	545	0	23	655	80	80
9055	UPPER TWP 1986	43830			4014	1453	12500	4238	20698	920
9055	UPPER TWP 1995		10206	1115	4729	1226	11961	4398	20604	905
9060	WEST CAPE MAY BORO 1986	752			328	139	23	3	244	20
9060	WEST CAPE MAY BORO 1995		174	99	338	134	20	3	242	20
9065	WEST WILDWOOD BORO 1986	192			111	0	19	25	27	10
9065	WEST WILDWOOD BORO 1995		26	44	116	0	16	25	25	10
9070	WILDWOOD CITY 1986	916			726	0	22	19	53	98
9070	WILDWOOD CITY 1995		110	441	727	0	18	19	62	92
9075	WILDWOOD CREST BORO 1986	859			633	0	0	94	31	99
9075	WILDWOOD CREST BORO 1995		103	336	629	0	0	94	31	103
9080	WOODBINE BORO 1986	5111			787	556	2769	0	925	72
9080	WOODBINE BORO 1995		3327	234	880	510	2690	6	907	116

Appendix E [Municipal Level Land Change Table]
Cumberland County Municipalities

Measuring Urban Growth in New Jersey
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Cumberland County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
11005	BRIDGETON CITY 1986	4145			2512	248	893	145	228	118
11005	BRIDGETON CITY 1995		1137	1010	2635	137	893	173	200	106
11010	COMMERCIAL TWP 1986	21850			1184	1780	4652	1763	12038	419
11010	COMMERCIAL TWP 1995		3795	332	1272	1533	4599	1974	11847	611
11015	DEERFIELD TWP 1986	10858			1125	4776	3903	8	1013	36
11015	DEERFIELD TWP 1995		8236	311	1364	4980	3336	8	997	176
11020	DOWNE TWP 1986	34303			833	1879	6201	3227	21467	705
11020	DOWNE TWP 1995		3337	198	866	1822	6237	3813	20998	576
11025	FAIRFIELD TWP 1986	27892			1579	5260	8649	1966	10240	200
11025	FAIRFIELD TWP 1995		11164	391	1889	5241	8333	2099	10080	252
11030	GREENWICH TWP 1986	11945			411	4288	1380	699	5152	16
11030	GREENWICH TWP 1995		3235	86	436	4278	1352	931	4928	21
11035	HOPEWELL TWP 1986	19777			1419	12766	2398	618	2514	60
11035	HOPEWELL TWP 1995		12466	430	1751	12509	2329	856	2267	63
11040	LAWRENCE TWP 1986	24510			756	5332	8446	999	8857	114
11040	LAWRENCE TWP 1995		10903	207	1099	5042	8434	1135	8687	107
11045	MAURICE RIVER TWP 1986	61022			2004	2597	32397	2263	20662	1092
11045	MAURICE RIVER TWP 1995		21456	403	2218	2511	32147	2504	20455	1180
11050	MILLVILLE CITY 1986	28451			5297	3487	13964	1520	3651	528
11050	MILLVILLE CITY 1995		14915	2085	6124	3387	13460	1522	3591	363
11055	SHILOH BORO 1986	758			138	611	9	0	0	0
11055	SHILOH BORO 1995		614	39	143	600	14	1	0	0
11060	STOW CREEK TWP 1986	12028			526	7006	2090	476	1907	27
11060	STOW CREEK TWP 1995		8219	148	645	6963	2024	496	1869	35
11065	UPPER DEERFIELD TWP 1986	19951			2568	12528	3740	115	936	55
11065	UPPER DEERFIELD TWP 1995		12316	761	2982	12106	3724	115	932	83
11070	VINELAND CITY 1986	44154			12301	7841	17012	310	6036	669
11070	VINELAND CITY 1995		22064	4342	13349	7379	16477	269	5916	779

Appendix E [Municipal Level Land Change Table]
Essex County Municipalities

Measuring Urban Growth in New Jersey
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Essex County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
13005	BELLEVILLE TOWN 1986	2182			2103	0	44	30	4	1
13005	BELLEVILLE TOWN 1995		42	946	2103	0	44	27	4	4
13010	BLOOMFIELD TOWN 1986	3445			3292	0	107	27	18	2
13010	BLOOMFIELD TOWN 1995		87	1427	3287	0	99	27	18	15
13015	CALDWELL BORO 1986	735			668	0	69	0	0	0
13015	CALDWELL BORO 1995		65	273	675	0	62	0	0	0
13025	CEDAR GROVE TWP 1986	2810			1756	0	890	60	99	5
13025	CEDAR GROVE TWP 1995		595	683	1785	3	831	92	68	31
13030	EAST ORANGE CITY 1986	2511			2474	0	28	0	0	9
13030	EAST ORANGE CITY 1995		33	1391	2475	0	31	0	0	5
13035	ESSEX FELS BORO 1986	907			676	0	218	4	6	0
13035	ESSEX FELS BORO 1995		217	178	679	0	215	4	6	0
13037	FAIRFIELD BORO 1986	6622			2958	70	422	222	2813	130
13037	FAIRFIELD BORO 1995		614	1595	2987	70	478	219	2773	88
13040	GLEN RIDGE BORO 1986	808			783	0	23	0	0	0
13040	GLEN RIDGE BORO 1995		23	277	783	0	23	0	0	0
13045	IRVINGTON TOWN 1986	1879			1857	0	16	2	1	2
13045	IRVINGTON TOWN 1995		18	1094	1857	0	16	2	1	2
13050	LIVINGSTON TWP 1986	9031			5439	83	2042	211	1222	32
13050	LIVINGSTON TWP 1995		1017	1939	5647	64	1867	211	1187	53
13055	MAPLEWOOD TWP 1986	2465			1956	0	475	0	35	0
13055	MAPLEWOOD TWP 1995		39	765	1957	0	473	0	35	1
13060	MILLBURN TWP 1986	6334			3961	0	1570	329	429	49
13060	MILLBURN TWP 1995		406	1251	3968	0	1565	330	412	63
13065	MONTCLAIR TOWN 1986	4003			3752	0	223	3	21	2
13065	MONTCLAIR TOWN 1995		108	1353	3759	0	217	1	21	3
13070	NEWARK CITY 1986	16643			14556	4	538	1213	286	49
13070	NEWARK CITY 1995		654	9181	14484	0	602	1214	189	157
13075	NORTH CALDWELL BORO 1986	1762			1252	34	447	5	26	1
13075	NORTH CALDWELL BORO 1995		368	348	1351	19	365	5	20	5
13080	NUTLEY TOWN 1986	2174			2085	0	63	25	0	0
13080	NUTLEY TOWN 1995		51	908	2086	0	62	25	0	0
13085	ORANGE CITY 1986	1429			1414	0	16	1	0	0
13085	ORANGE CITY 1995		16	742	1414	0	16	1	0	0
13090	ROSELAND BORO 1986	2293			1257	45	574	7	395	15
13090	ROSELAND BORO 1995		417	590	1320	24	521	7	393	28
13095	SOUTH ORANGE VILLAGE 1986	1831			1713	0	85	4	7	21
13095	SOUTH ORANGE VILLAGE 1995		93	621	1720	0	74	4	6	26
13100	VERONA BORO 1986	1786			1448	0	301	13	20	3
13100	VERONA BORO 1995		229	534	1448	0	301	13	20	3
13105	WEST CALDWELL BORO 1986	3435			2190	37	418	4	743	37
13105	WEST CALDWELL BORO 1995		426	843	2216	27	408	4	738	36
13110	WEST ORANGE TOWN 1986	7801			5032	34	2388	98	191	64
13110	WEST ORANGE TOWN 1995		1516	1839	5160	20	2268	101	183	75

Appendix E [Municipal Level Land Change Table]
Gloucester County Municipalities

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Gloucester County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
15005	CLAYTON BORO 1986	4752			1312	920	1236	128	1129	23
15005	CLAYTON BORO 1995		1435	380	1363	694	1343	132	1120	96
15010	DEPTFORD TWP 1986	11244			4837	1427	3141	162	1165	518
15010	DEPTFORD TWP 1995		4701	1832	5248	1097	2995	150	1113	647
15015	EAST GREENWICH TWP 1986	9538			1720	5032	1138	238	1347	70
15015	EAST GREENWICH TWP 1995		5384	525	2134	4572	1234	238	1322	45
15020	ELK TWP 1986	12609			1431	5886	2542	130	2597	28
15020	ELK TWP 1995		7502	370	1779	5610	2514	130	2518	63
15025	FRANKLIN TWP 1986	36138			6111	8485	14863	358	6055	272
15025	FRANKLIN TWP 1995		22693	1209	6672	8088	14672	363	5990	359
15030	GLASSBORO BORO 1986	5884			2272	894	1569	24	1075	52
15030	GLASSBORO BORO 1995		1627	959	2731	591	1444	25	1035	60
15035	GREENWICH TWP 1986	7679			1958	854	284	1958	2308	299
15035	GREENWICH TWP 1995		1405	581	1986	827	293	1963	2279	313
15040	HARRISON TWP 1986	12201			1482	7585	1938	61	952	183
15040	HARRISON TWP 1995		8244	550	2599	6391	1967	65	946	233
15045	LOGAN TWP 1986	17141			1866	5094	950	3171	4096	1766
15045	LOGAN TWP 1995		7618	840	2454	4447	977	3180	3954	1931
15050	MANTUA TWP 1986	10264			2684	3414	3099	42	736	286
15050	MANTUA TWP 1995		5933	838	3298	2934	2965	41	688	335
15055	MONROE TWP 1986	29996			6386	4915	12587	404	5387	317
15055	MONROE TWP 1995		15155	1724	6938	4412	12322	418	5332	574
15060	NATIONAL PARK BORO 1986	968			372	0	201	325	64	3
15060	NATIONAL PARK BORO 1995		192	132	394	0	85	356	44	86
15065	NEWFIELD BORO 1986	1080			415	204	346	4	77	32
15065	NEWFIELD BORO 1995		561	131	417	187	363	4	77	30
15070	PAULSBORO BORO 1986	1588			1021	5	44	341	146	29
15070	PAULSBORO BORO 1995		88	412	1019	5	44	344	137	37
15075	PITMAN BORO 1986	1448			1217	22	153	25	27	6
15075	PITMAN BORO 1995		144	422	1199	15	154	25	25	32
15080	SOUTH HARRISON TWP 1986	10011			791	6002	1917	30	1171	100
15080	SOUTH HARRISON TWP 1995		5987	209	1195	5529	1859	32	1159	237
15085	SWEDESBORO BORO 1986	498			326	69	51	22	38	0
15085	SWEDESBORO BORO 1995		112	134	336	56	54	22	38	0
15090	WASHINGTON TWP 1986	13833			5867	3469	2847	141	1157	347
15090	WASHINGTON TWP 1995		4412	2464	7938	1935	2424	149	1094	288
15095	WENONAH BORO 1986	638			420	8	179	8	25	0
15095	WENONAH BORO 1995		147	125	430	8	170	8	24	0
15100	WEST DEPTFORD TWP 1986	11530			4471	1910	1854	1610	1417	257
15100	WEST DEPTFORD TWP 1995		3500	1809	4919	1570	1750	1622	1333	325
15105	WESTVILLE BORO 1986	721			544	0	46	98	29	10
15105	WESTVILLE BORO 1995		54	249	548	0	43	89	38	9
15110	WOODBURY CITY 1986	1340			1198	0	55	47	40	0
15110	WOODBURY CITY 1995		38	541	1203	0	51	47	39	0
15115	WOODBURY HEIGHTS BORO 1986	803			619	0	148	4	27	0
15115	WOODBURY HEIGHTS BORO 1995		138	249	630	0	138	4	26	0
15120	WOOLWICH TWP 1986	13712			1134	8918	2151	243	1174	89
15120	WOOLWICH TWP 1995		10343	355	1783	7946	2396	270	1162	152

Appendix E [Municipal Level Land Change Table]
Hudson County Municipalities

Measuring Urban Growth in New Jersey
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Hudson

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
17005	BAYONNE CITY 1986	7016			3274	0	312	3302	50	74
17005	BAYONNE CITY 1995		373	2022	3256	0	401	3303	48	4
17010	EAST NEWARK BORO 1986	74			61	0	2	10	0	1
17010	EAST NEWARK BORO 1995		3	45	61	0	2	10	0	1
17015	GUTTENBERG TOWN 1986	146			124	0	0	24	0	0
17015	GUTTENBERG TOWN 1995		0	76	124	0	0	24	0	0
17020	HARRISON TOWN 1986	850			730	0	47	67	1	3
17020	HARRISON TOWN 1995		23	569	758	0	23	67	0	0
17025	HOBOKEN CITY 1986	1224			787	0	1	424	0	9
17025	HOBOKEN CITY 1995		5	558	784	0	1	432	0	4
17030	JERSEY CITY 1986	13589			7629	0	632	4123	311	895
17030	JERSEY CITY 1995		647	5167	8188	0	839	4108	290	165
17035	KEARNY TOWN 1986	6497			3365	0	736	1324	691	388
17035	KEARNY TOWN 1995		1051	2176	3452	0	626	1340	661	425
17040	NORTH BERGEN TWP 1986	3580			2448	0	301	277	419	137
17040	NORTH BERGEN TWP 1995		250	1671	2552	0	319	276	414	21
17045	SECAUCUS TOWN 1986	4195			2440	0	432	491	646	185
17045	SECAUCUS TOWN 1995		580	1586	2452	0	495	490	643	114
17050	UNION CITY 1986	803			778	0	22	0	0	0
17050	UNION CITY 1995		7	552	778	0	22	0	0	0
17055	WEEHAWKEN TWP 1986	952			379	0	44	446	0	84
17055	WEEHAWKEN TWP 1995		14	297	458	0	42	446	0	7
17060	WEST NEW YORK TOWN 1986	847			588	0	30	202	2	23
17060	WEST NEW YORK TOWN 1995		8	371	608	0	27	205	2	3

Appendix E [Municipal Level Land Change Table]
Hunterdon County Municipalities

Measuring Urban Growth in New Jersey
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Hunterdon County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
19005	ALEXANDRIA TWP 1986	17714			1940	8956	5498	124	1174	19
19005	ALEXANDRIA TWP 1995		11809	408	2687	7866	5832	128	1132	66
19010	BETHLEHEM TWP 1986	13280			1857	3935	6891	22	549	28
19010	BETHLEHEM TWP 1995		6314	415	2281	3570	6814	22	544	51
19015	BLOOMSBURY BORO 1986	596			212	196	162	7	18	0
19015	BLOOMSBURY BORO 1995		263	83	235	178	157	7	18	0
19020	CALIFON BORO 1986	621			294	34	281	10	1	0
19020	CALIFON BORO 1995		210	72	304	28	277	10	1	0
19025	CLINTON TOWN 1986	917			442	200	141	57	73	0
19025	CLINTON TOWN 1995		221	178	481	142	158	57	70	5
19030	CLINTON TWP 1986	21875			4776	5906	7508	2562	1010	119
19030	CLINTON TWP 1995		8718	1204	5932	4782	7490	2565	960	152
19035	DELAWARE TWP 1986	23675			2357	11438	7854	357	1595	84
19035	DELAWARE TWP 1995		16352	388	2900	10863	7889	358	1567	108
19040	EAST AMWELL TWP 1986	18328			2095	9290	4583	74	2243	41
19040	EAST AMWELL TWP 1995		10661	363	2491	8707	4796	74	2237	21
19045	FLEMINGTON BORO 1986	691			618	38	32	0	6	1
19045	FLEMINGTON BORO 1995		46	321	639	24	24	0	6	2
19050	FRANKLIN TWP 1986	14712			1540	8340	3619	77	1083	52
19050	FRANKLIN TWP 1995		9758	344	1869	7776	3840	80	1071	75
19055	FRENCHTOWN BORO 1986	774			280	73	298	67	56	0
19055	FRENCHTOWN BORO 1995		287	79	284	66	301	67	56	0
19060	GLEN GARDNER BORO 1986	1002			310	149	466	4	51	22
19060	GLEN GARDNER BORO 1995		368	94	349	77	493	4	50	29
19065	HAMPTON BORO 1986	983			330	303	288	5	47	7
19065	HAMPTON BORO 1995		519	94	366	278	277	5	47	7
19070	HIGH BRIDGE BORO 1986	1564			694	165	636	26	49	0
19070	HIGH BRIDGE BORO 1995		484	206	705	117	655	26	48	19
19075	HOLLAND TWP 1986	15364			2414	5480	6125	291	979	76
19075	HOLLAND TWP 1995		8157	465	2975	4673	6422	294	953	48
19080	KINGWOOD TWP 1986	22901			1785	10409	7814	425	2432	33
19080	KINGWOOD TWP 1995		16271	346	2324	9722	7992	438	2376	46
19085	LAMBERTVILLE CITY 1986	792			393	27	242	94	38	0
19085	LAMBERTVILLE CITY 1995		152	159	420	19	229	94	29	3
19090	LEBANON BORO 1986	536			322	69	99	0	38	8
19090	LEBANON BORO 1995		135	134	349	50	92	0	37	8
19095	LEBANON TWP 1986	20411			2825	4549	11497	139	1355	49
19095	LEBANON TWP 1995		11138	563	3408	4053	11408	139	1342	64
19100	MILFORD BORO 1986	795			329	91	293	54	26	0
19100	MILFORD BORO 1995		199	112	337	89	287	54	26	0
19105	RARITAN TWP 1986	24159			5816	10130	5455	107	2171	472
19105	RARITAN TWP 1995		12387	1689	8082	8076	5635	111	2100	147
19110	READINGTON TWP 1986	30553			7653	11244	9452	155	1838	221
19110	READINGTON TWP 1995		14408	1724	9829	9434	9169	170	1777	184
19115	STOCKTON BORO 1986	384			132	52	116	61	23	0
19115	STOCKTON BORO 1995		133	32	133	52	115	61	23	0
19120	TEWKSBURY TWP 1986	20324			3145	7277	8989	73	743	92
19120	TEWKSBURY TWP 1995		11290	522	3854	6561	8975	77	736	116

Appendix E [Municipal Level Land Change Table]
Hunterdon County Municipalities

Measuring Urban Growth in New Jersey
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<i>FIPS</i>	<i>MUNICIPALITY</i>	<i>AREA AC</i>	<i>AVAIL AC</i>	<i>IS AC</i>	<i>URBAN</i>	<i>AGRICULTURE</i>	<i>FOREST</i>	<i>WATER</i>	<i>WETLANDS</i>	<i>BARREN</i>
19125	UNION TWP 1986	13175			2072	3934	4772	1170	972	255
19125	UNION TWP 1995		5335	568	2542	3400	4834	1172	939	288
19130	WEST AMWELL TWP 1986	13996			1483	4919	6318	141	1105	33
19130	WEST AMWELL TWP 1995		9988	271	1695	4675	6361	144	1103	21

Appendix E [Municipal Level Land Change Table]
Mercer County Municipalities

Measuring Urban Growth in New Jersey
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Mercer County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
21005	EAST WINDSOR TWP 1986	10123			3477	3981	864	51	1648	98
21005	EAST WINDSOR TWP 1995		4218	1359	3734	3737	881	71	1578	118
21010	EWING TWP 1986	10136			6917	1003	1482	211	491	29
21010	EWING TWP 1995		2239	2620	7204	721	1459	212	455	82
21015	HAMILTON TWP 1986	25793			12587	4788	2547	651	4825	397
21015	HAMILTON TWP 1995		5989	5097	13844	3859	2454	710	4578	350
21020	HIGHTSTOWN BORO 1986	780			695	24	39	18	8	0
21020	HIGHTSTOWN BORO 1995		61	282	698	23	37	18	8	0
21025	HOPEWELL BORO 1986	449			345	74	24	0	4	0
21025	HOPEWELL BORO 1995		74	115	366	63	14	0	4	0
21030	HOPEWELL TWP 1986	37536			5975	14362	13542	561	2851	238
21030	HOPEWELL TWP 1995		23185	1272	7308	11970	14471	570	2736	474
21035	LAWRENCE TWP 1986	13991			5915	2872	1988	148	2858	207
21035	LAWRENCE TWP 1995		3877	2248	6773	2223	1929	158	2646	259
21040	PENNINGTON BORO 1986	626			539	13	75	2	2	4
21040	PENNINGTON BORO 1995		91	177	547	3	64	2	1	18
21045	PRINCETON BORO 1986	1158			1114	0	45	0	0	0
21045	PRINCETON BORO 1995		33	411	1114	0	45	0	0	0
21050	PRINCETON TWP 1986	10637			4426	1044	3610	244	1242	69
21050	PRINCETON TWP 1995		3897	1136	4812	852	3401	244	1205	121
21055	TRENTON CITY 1986	5166			4420	0	284	374	66	20
21055	TRENTON CITY 1995		294	2444	4412	0	252	366	67	67
21060	WASHINGTON TWP 1986	13197			2091	6865	851	69	3176	144
21060	WASHINGTON TWP 1995		6280	801	2809	6065	821	95	3127	279
21065	WEST WINDSOR TWP 1986	16828			4713	6649	1156	454	3178	675
21065	WEST WINDSOR TWP 1995		5829	1858	7430	4110	1437	460	2991	397

Appendix E [Municipal Level Land Change Table]
Middlesex County Municipalities

Measuring Urban Growth in New Jersey
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Middlesex County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
23005	CARTERET BORO 1986	3174			2263	0	191	353	237	135
23005	CARTERET BORO 1995		253	1153	2340	0	149	365	221	104
23010	CRANBURY TWP 1986	8587			1387	5079	555	98	1433	34
23010	CRANBURY TWP 1995		3961	531	1638	4687	601	99	1416	145
23015	DUNELLEN BORO 1986	680			630	0	5	3	40	0
23015	DUNELLEN BORO 1995		10	278	628	0	5	3	37	5
23020	EAST BRUNSWICK TWP 1986	14298			7782	1039	2888	394	1401	790
23020	EAST BRUNSWICK TWP 1995		4364	3068	8195	928	2820	361	1326	664
23025	EDISON TWP 1986	19648			13192	63	1758	422	3457	745
23025	EDISON TWP 1995		2268	6600	13784	7	1587	393	3115	751
23030	HELMETTA BORO 1986	570			193	0	118	47	213	0
23030	HELMETTA BORO 1995		95	78	221	0	95	47	208	0
23035	HIGHLAND PARK BORO 1986	1237			1000	0	133	74	37	0
23035	HIGHLAND PARK BORO 1995		136	427	996	0	137	74	37	0
23040	JAMESBURG BORO 1986	543			445	0	63	2	14	19
23040	JAMESBURG BORO 1995		92	197	471	0	46	2	13	11
23050	METUCHEN BORO 1986	1784			1570	0	128	0	87	2
23050	METUCHEN BORO 1995		129	723	1582	0	122	1	78	4
23055	MIDDLESEX BORO 1986	2257			1760	23	59	42	341	34
23055	MIDDLESEX BORO 1995		110	815	1793	24	59	42	314	27
23060	MILLTOWN BORO 1986	1030			851	1	78	23	41	35
23060	MILLTOWN BORO 1995		91	391	883	1	61	25	31	28
23065	MONROE TWP 1986	26983			5443	8347	5516	164	6644	856
23065	MONROE TWP 1995		13339	1947	6837	7253	5221	221	6325	1113
23070	NEW BRUNSWICK CITY 1986	3606			2892	76	262	182	182	6
23070	NEW BRUNSWICK CITY 1995		317	1629	2921	59	242	181	175	22
23075	NORTH BRUNSWICK TWP 1986	7771			4562	711	1053	145	1220	83
23075	NORTH BRUNSWICK TWP 1995		1693	2154	4983	600	845	155	939	252
23077	OLD BRIDGE TWP 1986	26274			7016	1482	6118	1782	9274	604
23077	OLD BRIDGE TWP 1995		6388	2851	7911	1312	5607	1857	8872	717
23080	PERTH AMBOY CITY 1986	3819			2652	0	248	828	35	54
23080	PERTH AMBOY CITY 1995		299	1573	2662	0	268	828	28	31
23085	PISCATAWAY TWP 1986	12190			8040	572	1262	142	2100	71
23085	PISCATAWAY TWP 1995		1774	3313	8355	292	1410	145	1796	189
23090	PLAINSBORO TWP 1986	7803			2365	2958	732	269	1153	326
23090	PLAINSBORO TWP 1995		2726	1088	3132	2377	725	273	1129	167
23095	SAYREVILLE BORO 1986	11997			4808	16	1866	1942	1800	1566
23095	SAYREVILLE BORO 1995		2612	2106	5344	15	2056	1909	1748	926
23100	SOUTH AMBOY CITY 1986	1663			638	0	188	726	26	89
23100	SOUTH AMBOY CITY 1995		294	288	635	0	199	728	17	88
23105	SOUTH BRUNSWICK TWP 1986	26172			7122	6301	4997	303	6870	598
23105	SOUTH BRUNSWICK TWP 1995		9811	3117	8895	5072	4648	402	6443	731
23110	SOUTH PLAINFIELD BORO 1986	5389			3883	42	146	16	1197	105
23110	SOUTH PLAINFIELD BORO 1995		296	1986	4062	57	152	16	1005	97
23115	SOUTH RIVER BORO 1986	1890			1200	30	245	100	210	103
23115	SOUTH RIVER BORO 1995		334	540	1278	34	167	102	174	133
23120	SPOTSWOOD BORO 1986	1581			1061	12	162	105	242	4
23120	SPOTSWOOD BORO 1995		202	423	1049	10	179	105	226	17
23125	WOODBRIIDGE TWP 1986	15671			11710	10	1712	817	1123	307
23125	WOODBRIIDGE TWP 1995		1849	5481	11853	10	1607	831	1047	331

Appendix E [Municipal Level Land Change Table]
Monmouth County Municipalities

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Monmouth County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
25003	ABERDEEN TWP 1986	3588			2277	18	514	67	655	51
25003	ABERDEEN TWP 1995		503	936	2325	15	490	57	631	64
25005	ALLENHURST BORO 1986	162			150	0	3	5	0	5
25005	ALLENHURST BORO 1995		8	61	150	0	3	5	0	5
25010	ALLENTOWN BORO 1986	399			281	43	21	13	34	0
25010	ALLENTOWN BORO 1995		63	94	282	16	47	13	34	0
25015	ASBURY PARK CITY 1986	955			871	0	3	58	2	17
25015	ASBURY PARK CITY 1995		23	519	871	0	3	58	2	17
25025	ATLANTIC HIGHLANDS BORO 1986	782			632	0	113	0	26	8
25025	ATLANTIC HIGHLANDS BORO 1995		60	237	641	0	104	3	23	8
25030	AVON BY THE SEA BORO 1986	292			251	0	0	30	0	9
25030	AVON BY THE SEA BORO 1995		9	119	251	0	0	30	0	9
25035	BELMAR BORO 1986	888			622	0	3	225	0	32
25035	BELMAR BORO 1995		35	289	622	0	3	224	0	33
25040	BRADLEY BEACH BORO 1986	382			359	0	2	14	0	10
25040	BRADLEY BEACH BORO 1995		12	186	359	0	2	14	0	10
25045	BRIELLE BORO 1986	1521			982	0	130	388	20	5
25045	BRIELLE BORO 1995		103	319	1014	0	97	388	20	6
25047	COLTS NECK TWP 1986	20713			5061	6194	3833	583	4777	263
25047	COLTS NECK TWP 1995		6761	1154	6075	5057	3927	588	4667	397
25050	DEAL BORO 1986	759			719	0	4	6	11	19
25050	DEAL BORO 1995		23	194	721	0	6	6	10	16
25055	EATONTOWN BORO 1986	3765			2375	14	772	18	505	79
25055	EATONTOWN BORO 1995		621	1116	2702	16	578	18	407	42
25060	ENGLISHTOWN BORO 1986	373			187	58	48	5	75	0
25060	ENGLISHTOWN BORO 1995		92	92	211	21	69	5	65	2
25065	FAIR HAVEN BORO 1986	1345			892	0	61	319	79	0
25065	FAIR HAVEN BORO 1995		50	279	925	0	47	319	57	3
25070	FARMINGDALE BORO 1986	338			214	18	2	0	102	1
25070	FARMINGDALE BORO 1995		13	106	233	11	2	0	91	0
25075	FREEHOLD BORO 1986	1249			1154	39	44	0	11	0
25075	FREEHOLD BORO 1995		73	542	1190	4	42	1	9	2
25080	FREEHOLD TWP 1986	24673			6465	5554	5584	110	6632	328
25080	FREEHOLD TWP 1995		7966	2314	8171	4127	5355	120	6476	424
25082	HAZLET TWP 1986	3682			2617	103	362	31	536	39
25082	HAZLET TWP 1995		405	1113	2648	115	346	31	514	34
25085	HIGHLANDS BORO 1986	463			371	0	82	2	0	12
25085	HIGHLANDS BORO 1995		32	186	379	0	75	2	0	11
25090	HOLMDEL TWP 1986	11419			5103	2739	1906	116	1468	75
25090	HOLMDEL TWP 1995		3285	1394	5760	2211	1797	116	1411	112
25095	HOWELL TWP 1986	39425			9368	5878	9086	208	14021	854
25095	HOWELL TWP 1995		12033	3030	11058	5231	8544	974	12794	814
25100	INTERLAKEN BORO 1986	247			197	0	2	33	13	0
25100	INTERLAKEN BORO 1995		1	60	201	0	1	33	10	0
25105	KEANSBURG BORO 1986	748			599	0	12	4	84	48
25105	KEANSBURG BORO 1995		58	274	599	0	12	7	83	46
25110	KEYPORT BORO 1986	937			726	0	35	42	90	46
25110	KEYPORT BORO 1995		78	331	730	0	32	43	88	46
25115	LITTLE SILVER BORO 1986	2133			1371	79	47	391	241	7
25115	LITTLE SILVER BORO 1995		68	427	1450	17	39	391	227	12
25120	LOCH ARBOUR VILLAGE 1986	77			52	0	0	21	0	5
25120	LOCH ARBOUR VILLAGE 1995		3	22	54	0	0	21	0	3
25125	LONG BRANCH CITY 1986	3408			3006	9	76	193	64	57
25125	LONG BRANCH CITY 1995		143	1220	3010	10	84	188	54	59
25130	MANALAPAN TWP 1986	19777			6082	5696	3590	109	4163	143
25130	MANALAPAN TWP 1995		7156	2080	7960	4372	3330	108	3746	267
25135	MANASQUAN BORO 1986	983			743	0	48	101	45	40

Appendix E [Municipal Level Land Change Table]
Monmouth County Municipalities

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FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
25135	MANASQUAN BORO 1995		79	326	753	0	50	102	44	28
25140	MARLBORO TWP 1986	19676			6353	3807	4543	39	4376	561
25140	MARLBORO TWP 1995		7487	2169	7682	3250	4155	44	4078	470
25145	MATAWAN BORO 1986	1510			1070	0	192	86	156	0
25145	MATAWAN BORO 1995		157	426	1111	0	154	86	150	3
25155	MIDDLETOWN TWP 1986	25829			14059	1315	4741	1416	4176	115
25155	MIDDLETOWN TWP 1995		4014	4185	14312	1156	4777	1405	4010	162
25160	MILLSTONE TWP 1986	23910			2552	9401	6962	381	4415	206
25160	MILLSTONE TWP 1995		13069	736	4334	7873	6683	382	4208	437
25165	MONMOUTH BEACH BORO 1986	1243			518	0	9	615	61	41
25165	MONMOUTH BEACH BORO 1995		30	190	550	0	10	614	50	20
25170	NEPTUNE TWP 1986	5642			3683	25	859	426	574	77
25170	NEPTUNE TWP 1995		897	1434	3717	27	848	426	512	114
25172	NEPTUNE CITY BORO 1986	563			528	0	20	0	17	0
25172	NEPTUNE CITY BORO 1995		26	265	523	0	20	0	16	6
25185	OCEAN TWP 1986	7023			4635	144	791	56	1194	208
25185	OCEAN TWP 1995		889	1688	5010	75	731	77	1012	123
25190	OCEANPORT BORO 1986	2431			1684	43	48	394	244	13
25190	OCEANPORT BORO 1995		81	627	1715	48	58	396	196	13
25200	RED BANK BORO 1986	1374			1028	0	37	280	25	3
25200	RED BANK BORO 1995		46	576	1029	0	37	279	25	3
25205	ROOSEVELT BORO 1986	1251			243	353	314	6	331	1
25205	ROOSEVELT BORO 1995		623	58	248	343	320	6	330	1
25210	RUMSON BORO 1986	4555			2616	3	204	1308	407	20
25210	RUMSON BORO 1995		274	490	2667	14	175	1307	310	85
25215	SEA BRIGHT BORO 1986	651			244	0	26	297	57	19
25215	SEA BRIGHT BORO 1995		44	147	244	0	26	296	57	20
25220	SEA GIRT BORO 1986	675			583	0	33	29	4	25
25220	SEA GIRT BORO 1995		62	184	583	0	33	29	4	25
25225	SHREWSBURY BORO 1986	1404			886	22	87	24	374	13
25225	SHREWSBURY BORO 1995		103	417	994	0	79	24	286	23
25230	SHREWSBURY TWP 1986	62			54	0	3	0	5	0
25230	SHREWSBURY TWP 1995		3	31	59	0	3	0	0	0
25235	SOUTH BELMAR BORO 1986	158			150	0	0	8	3	0
25235	SOUTH BELMAR BORO 1995		2	71	148	0	2	8	3	0
25240	SPRING LAKE BORO 1986	902			774	0	7	84	7	28
25240	SPRING LAKE BORO 1995		40	266	775	0	7	84	4	30
25245	SPRING LAKE HEIGHTS BORO 1986	840			768	0	29	15	27	0
25245	SPRING LAKE HEIGHTS BORO 1995		35	261	767	0	30	15	27	0
25247	TINTON FALLS BORO 1986	9965			3422	555	2942	58	2516	465
25247	TINTON FALLS BORO 1995		3205	1371	3997	494	2610	56	2210	591
25250	UNION BEACH BORO 1986	1210			692	0	73	57	351	34
25250	UNION BEACH BORO 1995		124	291	691	1	76	60	345	34
25255	UPPER FREEHOLD TWP 1986	30134			2193	18427	4674	405	4336	100
25255	UPPER FREEHOLD TWP 1995		13487	504	2697	17932	4660	426	4265	155
25260	WALL TWP 1986	19829			6733	1771	5975	627	3852	879
25260	WALL TWP 1995		6131	2409	7599	1377	5630	647	3641	943
25265	WEST LONG BRANCH BORO 1986	1842			1591	31	66	22	133	1
25265	WEST LONG BRANCH BORO 1995		102	573	1623	14	74	22	97	14

Appendix E [Municipal Level Land Change Table]
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Morris County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
27005	BOONTON TOWN 1986	1573			1058	24	376	91	16	1
27005	BOONTON TOWN 1995		296	439	1091	24	345	91	10	5
27010	BOONTON TWP 1986	5599			1574	174	3167	168	513	6
27010	BOONTON TWP 1995		2158	366	1723	170	3011	168	499	31
27015	BUTLER BORO 1986	1340			992	0	285	29	30	5
27015	BUTLER BORO 1995		193	431	1010	0	265	32	28	6
27020	CHATHAM BORO 1986	1556			1209	0	102	16	225	6
27020	CHATHAM BORO 1995		103	489	1207	0	102	16	225	8
27025	CHATHAM TWP 1986	5988			2283	263	1083	40	2182	139
27025	CHATHAM TWP 1995		1038	693	2378	227	1046	41	2171	127
27030	CHESTER BORO 1986	973			553	82	235	2	103	0
27030	CHESTER BORO 1995		179	194	622	50	192	2	101	8
27035	CHESTER TWP 1986	18852			3097	2822	10785	65	2062	15
27035	CHESTER TWP 1995		7675	626	3965	2492	10181	68	2030	110
27040	DENVILLE TWP 1986	8041			3245	295	3420	419	642	14
27040	DENVILLE TWP 1995		2695	1152	3498	229	3167	420	625	96
27045	DOVER TOWN 1986	1774			1299	0	398	20	38	16
27045	DOVER TOWN 1995		147	629	1330	0	344	19	37	41
27050	EAST HANOVER TWP 1986	5243			2893	88	599	84	1510	73
27050	EAST HANOVER TWP 1995		591	1237	3135	21	478	90	1438	85
27055	FLORHAM PARK BORO 1986	4779			2766	21	838	69	1073	2
27055	FLORHAM PARK BORO 1995		741	994	2991	6	681	76	955	60
27060	HANOVER TWP 1986	6880			3980	17	1295	93	1440	54
27060	HANOVER TWP 1995		1239	1682	4232	17	1058	113	1300	159
27065	HARDING TWP 1986	13109			2889	2110	4471	175	3418	41
27065	HARDING TWP 1995		3502	616	3249	1855	4378	174	3404	44
27070	JEFFERSON TWP 1986	27103			3877	87	18614	1817	2510	195
27070	JEFFERSON TWP 1995		5502	1206	4335	87	18148	1841	2467	222
27075	KINNELON BORO 1986	12374			2772	7	8120	645	816	7
27075	KINNELON BORO 1995		3579	677	3180	7	7689	624	793	74
27080	LINCOLN PARK BORO 1986	4486			1608	120	773	247	1707	38
27080	LINCOLN PARK BORO 1995		699	576	1769	105	658	252	1684	25
27085	MADISON BORO 1986	2673			2163	113	348	4	34	16
27085	MADISON BORO 1995		329	805	2308	6	308	6	34	16
27090	MENDHAM BORO 1986	3858			1844	546	1219	29	236	0
27090	MENDHAM BORO 1995		1515	361	1910	552	1143	29	225	15
27095	MENDHAM TWP 1986	11462			2794	982	6932	114	626	8
27095	MENDHAM TWP 1995		4441	516	3246	795	6660	114	609	32
27100	MINE HILL TWP 1986	1928			665	32	923	53	193	65
27100	MINE HILL TWP 1995		714	200	704	32	863	53	184	95
27105	MONTVILLE TWP 1986	12136			4375	464	4650	286	2190	170
27105	MONTVILLE TWP 1995		3160	1537	5147	216	4196	287	2081	208
27110	MORRIS TWP 1986	10088			5631	396	3286	59	705	15
27110	MORRIS TWP 1995		2043	1859	6023	303	2963	55	672	76
27115	MORRIS PLAINS BORO 1986	1668			1226	4	376	21	42	1
27115	MORRIS PLAINS BORO 1995		318	505	1256	4	352	24	33	1
27120	MORRISTOWN TOWN 1986	1941			1590	0	256	57	35	5
27120	MORRISTOWN TOWN 1995		175	812	1597	0	249	55	33	9
27125	MOUNTAIN LAKES BORO 1986	1856			971	0	600	151	120	13
27125	MOUNTAIN LAKES BORO 1995		291	354	1022	0	558	151	116	8
27130	MOUNT ARLINGTON BORO 1986	1860			648	1	698	450	47	12
27130	MOUNT ARLINGTON BORO 1995		432	258	717	1	589	450	43	56
27135	MOUNT OLIVE TWP 1986	20107			4109	1881	10391	641	2438	647
27135	MOUNT OLIVE TWP 1995		7819	1510	5036	1637	9733	703	2341	657
27140	NETCONG BORO 1986	484			351	0	61	47	20	10
27140	NETCONG BORO 1995		71	150	354	0	48	47	20	20
27145	PARSIPPANY-TROY HILLS TWP 1986	16290			8330	185	3933	1092	2617	130

Appendix E [Municipal Level Land Change Table]
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27145	PARSIPPANY-TROY HILLS TWP 1995		2709	3636	8762	155	3532	1094	2557	187
27150	PASSAIC TWP 1986	7767			2387	383	1162	58	3727	46
27150	PASSAIC TWP 1995		978	738	2578	340	1047	59	3639	100
27155	PEQUANNOCK TWP 1986	4566			2572	143	989	185	587	93
27155	PEQUANNOCK TWP 1995		797	1014	2710	149	881	188	554	87
27160	RANDOLPH TWP 1986	13498			4880	522	6434	143	1449	65
27160	RANDOLPH TWP 1995		3869	1727	6124	320	5364	142	1394	149
27165	RIVERDALE BORO 1986	1356			610	0	603	24	22	102
27165	RIVERDALE BORO 1995		382	277	706	0	479	23	22	131
27170	ROCKAWAY BORO 1986	1359			977	0	202	33	136	13
27170	ROCKAWAY BORO 1995		171	438	1009	0	172	33	125	22
27175	ROCKAWAY TWP 1986	29038			4879	166	18209	2093	3315	378
27175	ROCKAWAY TWP 1995		6067	1921	5526	133	17380	2103	3241	657
27180	ROXBURY TWP 1986	13884			5102	250	5946	527	1686	373
27180	ROXBURY TWP 1995		3796	1714	5494	189	5651	551	1589	410
27185	VICTORY GARDENS BORO 1986	87			83	0	5	0	0	5
27185	VICTORY GARDENS BORO 1995		2	37	91	0	2	0	0	0
27190	WASHINGTON TWP 1986	28417			5732	6677	11963	150	3839	62
27190	WASHINGTON TWP 1995		11437	1256	6819	5983	11486	151	3771	213
27195	WHARTON BORO 1986	1403			793	0	466	16	120	11
27195	WHARTON BORO 1995		384	339	804	0	454	16	111	21

Appendix E [Municipal Level Land Change Table]
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FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
29003	BARNEGAT TWP 1986	25515			1570	204	13680	4105	5376	580
29003	BARNEGAT TWP 1995		7655	645	2009	150	13380	4113	5367	496
29005	BARNEGAT LIGHT BORO 1986	642			313	0	8	142	136	39
29005	BARNEGAT LIGHT BORO 1995		34	126	314	0	8	142	139	35
29010	BAY HEAD BORO 1986	446			301	0	3	57	60	30
29010	BAY HEAD BORO 1995		32	114	304	0	3	58	57	29
29015	BEACH HAVEN BORO 1986	1492			492	0	3	873	85	41
29015	BEACH HAVEN BORO 1995		41	221	493	0	3	872	84	42
29020	BEACHWOOD BORO 1986	1785			1028	8	505	4	210	26
29020	BEACHWOOD BORO 1995		472	415	1097	8	434	4	207	31
29025	BERKELEY TWP 1986	34643			6272	56	12392	7531	7050	1356
29025	BERKELEY TWP 1995		10832	2531	7344	71	11442	7551	6926	1323
29030	BRICK TWP 1986	20612			8879	169	3214	4295	3654	411
29030	BRICK TWP 1995		2509	3880	9964	80	2424	4304	3479	371
29035	DOVER TWP 1986	34123			13786	713	7521	7875	3598	632
29035	DOVER TWP 1995		6866	5749	15568	496	6152	7876	3487	546
29040	EAGLESWOOD TWP 1986	12081			503	141	3618	1806	5731	284
29040	EAGLESWOOD TWP 1995		2566	140	580	91	3708	1807	5731	166
29045	HARVEY CEDARS BORO 1986	869			286	0	0	524	17	45
29045	HARVEY CEDARS BORO 1995		46	105	287	0	0	524	16	45
29050	ISLAND HEIGHTS BORO 1986	568			319	0	31	176	42	0
29050	ISLAND HEIGHTS BORO 1995		29	113	323	0	29	176	40	0
29055	JACKSON TWP 1986	64433			9578	2579	32037	901	17523	1818
29055	JACKSON TWP 1995		23458	2731	11553	2121	30850	1010	17212	1690
29060	LACEY TWP 1986	63620			4374	303	36825	10426	10366	1319
29060	LACEY TWP 1995		19656	1576	4827	285	36468	10448	10145	1440
29065	LAKEHURST BORO 1986	644			354	1	78	61	137	9
29065	LAKEHURST BORO 1995		74	140	366	0	67	61	137	9
29070	LAKEWOOD TWP 1986	16030			6401	304	6846	257	1813	410
29070	LAKEWOOD TWP 1995		6386	2924	7212	285	5995	241	1734	564
29075	LAVALLETTE BORO 1986	452			352	0	0	62	2	36
29075	LAVALLETTE BORO 1995		1	152	352	0	0	63	2	35
29080	LITTLE EGG HARBOR TWP 1986	46975			2294	87	15710	16789	11735	368
29080	LITTLE EGG HARBOR TWP 1995		7831	830	2827	48	15290	16740	11685	393
29085	LONG BEACH TWP 1986	15929			1713	0	63	12554	1341	253
29085	LONG BEACH TWP 1995		210	704	1775	0	44	12487	1274	344
29090	MANCHESTER TWP 1986	52921			6269	790	32393	705	9930	2832
29090	MANCHESTER TWP 1995		17184	2489	7156	773	32049	676	9905	2360
29095	MANTOKING BORO 1986	446			218	0	1	183	0	43
29095	MANTOKING BORO 1995		49	66	218	0	1	183	0	43
29102	OCEAN TWP 1986	20266			1273	55	8821	6662	3306	145
29102	OCEAN TWP 1995		8734	405	1403	52	8706	6669	3238	194
29105	OCEAN GATE BORO 1986	279			261	0	2	3	3	5
29105	OCEAN GATE BORO 1995		7	89	261	0	2	4	2	5
29110	PINE BEACH BORO 1986	408			362	0	40	1	0	5
29110	PINE BEACH BORO 1995		28	136	379	0	23	1	0	5
29115	PLUMSTED TWP 1986	25648			1992	5147	11832	253	6128	298
29115	PLUMSTED TWP 1995		5904	505	2740	4576	11625	263	5912	534
29120	POINT PLEASANT BORO 1986	2702			2143	0	39	458	50	6
29120	POINT PLEASANT BORO 1995		39	863	2149	0	31	457	48	11
29123	POINT PLEASANT BEACH BORO 1986	1129			828	0	35	185	12	70
29123	POINT PLEASANT BEACH BORO 1995		82	385	832	0	32	186	6	74
29130	SEASIDE HEIGHTS BORO 1986	327			287	0	0	12	0	27
29130	SEASIDE HEIGHTS BORO 1995		9	157	287	0	0	14	0	25
29135	SEASIDE PARK BORO 1986	686			358	0	0	254	24	53
29135	SEASIDE PARK BORO 1995		43	191	358	0	0	258	24	49
29140	SHIP BOTTOM BORO 1986	632			407	0	1	174	13	32

Appendix E [Municipal Level Land Change Table]
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<i>FIPS</i>	<i>MUNICIPALITY</i>	<i>AREA AC</i>	<i>AVAIL AC</i>	<i>IS AC</i>	<i>URBAN</i>	<i>AGRICULTURE</i>	<i>FOREST</i>	<i>WATER</i>	<i>WETLANDS</i>	<i>BARREN</i>	
29140	SHIP BOTTOM BORO 1995			30	179	407	0	1	174	13	32
29145	SOUTH TOMS RIVER BORO 1986	789				480	0	133	58	106	16
29145	SOUTH TOMS RIVER BORO 1995			127	182	487	0	126	58	106	16
29150	STAFFORD TWP 1986	35269				3300	242	14704	5530	11088	413
29150	STAFFORD TWP 1995			6831	1408	4054	155	14090	5541	11022	415
29155	SURF CITY BORO 1986	845				429	0	0	379	3	34
29155	SURF CITY BORO 1995			34	163	429	0	0	382	0	34
29160	TUCKERTON BORO 1986	2361				572	30	307	220	1226	13
29160	TUCKERTON BORO 1995			290	222	629	9	276	220	1216	18

Appendix E [Municipal Level Land Change Table]
Passaic County Municipalities

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Passaic County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
31005	BLOOMINGDALE BORO 1986	5899			1057	18	4136	291	332	62
31005	BLOOMINGDALE BORO 1995		1672	377	1099	21	4064	304	324	84
31010	CLIFTON CITY 1986	7309			6727	24	393	99	37	29
31010	CLIFTON CITY 1995		325	3318	6752	23	361	93	38	42
31015	HALEDON BORO 1986	761			532	0	199	1	8	19
31015	HALEDON BORO 1995		126	231	527	0	182	2	8	40
31020	HAWTHORNE BORO 1986	2176			1904	0	224	23	12	10
31020	HAWTHORNE BORO 1995		125	800	1951	0	181	23	12	6
31025	LITTLE FALLS TWP 1986	1803			1416	0	233	52	59	45
31025	LITTLE FALLS TWP 1995		228	654	1439	0	234	59	53	20
31030	NORTH HALEDON BORO 1986	2252			1423	7	660	48	74	43
31030	NORTH HALEDON BORO 1995		493	428	1442	8	647	48	71	39
31035	PASSAIC CITY 1986	2060			1929	0	51	73	1	0
31035	PASSAIC CITY 1995		51	1108	1929	0	51	73	1	0
31040	PATERSON CITY 1986	5548			5158	0	214	153	2	24
31040	PATERSON CITY 1995		145	2965	5158	0	216	153	2	22
31045	POMPTON LAKES BORO 1986	2034			1221	1	473	156	163	21
31045	POMPTON LAKES BORO 1995		270	490	1227	1	438	172	149	48
31050	PROSPECT PARK BORO 1986	298			189	0	50	9	1	50
31050	PROSPECT PARK BORO 1995		102	83	190	0	42	4	0	63
31055	RINGWOOD BORO 1986	17999			2837	42	11951	2056	887	219
31055	RINGWOOD BORO 1995		3186	743	3002	37	11743	2276	873	61
31060	TOTOWA BORO 1986	2628			1943	0	487	49	124	30
31060	TOTOWA BORO 1995		433	936	1984	0	468	49	115	17
31065	WANAQUE BORO 1986	5894			1304	16	3231	895	339	116
31065	WANAQUE BORO 1995		1154	510	1386	11	3192	894	331	87
31070	WAYNE TWP 1986	16084			9068	115	4180	935	1587	190
31070	WAYNE TWP 1995		3438	3874	9679	77	3628	944	1443	304
31075	WEST MILFORD TWP 1986	51207			5743	308	36113	3476	5218	358
31075	WEST MILFORD TWP 1995		8472	1673	6264	224	35544	3814	5024	346
31080	WEST PATERSON BORO 1986	1972			1161	3	590	96	30	91
31080	WEST PATERSON BORO 1995		535	547	1204	3	563	94	28	79

Appendix E [Municipal Level Land Change Table]
Salem County Municipalities

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Salem County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
33005	ALLOWAY TWP 1986	21620			1464	9801	6268	273	3673	136
33005	ALLOWAY TWP 1995		14048	266	1800	9459	6233	304	3622	197
33007	CARNEYS POINT TWP 1986	11548			2535	3936	1310	455	3012	228
33007	CARNEYS POINT TWP 1995		5533	809	2585	3696	1545	452	2950	248
33010	ELMER BORO 1986	469			334	78	8	7	30	7
33010	ELMER BORO 1995		87	96	344	71	9	7	26	7
33015	ELSINBORO TWP 1986	8508			499	2900	76	839	4092	12
33015	ELSINBORO TWP 1995		2315	95	554	2844	85	810	4113	12
33020	LOWER ALLOWAYS CREEK TWP 1986	30621			1448	6925	2180	2426	17438	198
33020	LOWER ALLOWAYS CREEK TWP 1995		8106	352	1480	6786	2348	2463	17350	188
33030	MANNINGTON TWP 1986	24446			1003	13997	2190	3263	3913	84
33030	MANNINGTON TWP 1995		14071	290	1120	13825	2230	3412	3799	64
33035	OLDMANS TWP 1986	12970			1002	5448	1114	382	3716	1191
33035	OLDMANS TWP 1995		6886	316	1213	5296	1149	330	3650	1215
33040	PENNS GROVE BORO 1986	573			543	2	15	1	10	0
33040	PENNS GROVE BORO 1995		23	196	540	2	19	1	8	1
33042	PENNSVILLE TWP 1986	15607			3170	2477	1263	1623	6684	260
33042	PENNSVILLE TWP 1995		3569	971	3327	2303	1303	1640	6544	360
33045	PILESGROVE TWP 1986	22395			1680	16083	2426	176	1971	63
33045	PILESGROVE TWP 1995		15780	418	2301	15417	2542	178	1925	36
33050	PITTSGROVE TWP 1986	29524			2887	9708	11109	522	5154	148
33050	PITTSGROVE TWP 1995		19145	653	3489	9281	10933	527	5134	164
33055	QUINTON TWP 1986	15629			1272	5405	5404	372	2999	175
33055	QUINTON TWP 1995		9641	216	1476	5326	5347	376	2957	145
33060	SALEM CITY 1986	1771			868	265	82	168	365	27
33060	SALEM CITY 1995		377	338	905	258	69	172	349	22
33070	UPPER PITTSGROVE TWP 1986	25829			1480	18142	2595	94	3481	34
33070	UPPER PITTSGROVE TWP 1995		17326	417	1933	17775	2569	110	3381	58
33075	WOODSTOWN BORO 1986	1036			584	290	47	23	85	6
33075	WOODSTOWN BORO 1995		326	188	600	283	44	23	85	0

Appendix E [Municipal Level Land Change Table]
Somerset County Municipalities

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Somerset County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
35005	BEDMINSTER TWP 1986	16905			2240	7015	6557	155	869	63
35005	BEDMINSTER TWP 1995		12240	781	2680	6751	6380	156	867	65
35010	BERNARDS TWP 1986	15483			5731	1305	4791	94	2961	600
35010	BERNARDS TWP 1995		5660	1726	6779	984	4255	98	2836	530
35015	BERNARDSVILLE BORO 1986	8309			2875	875	4338	31	111	73
35015	BERNARDSVILLE BORO 1995		3627	682	3063	837	4171	41	111	80
35020	BOUND BROOK BORO 1986	1020			830	0	38	18	131	1
35020	BOUND BROOK BORO 1995		40	352	831	0	38	18	129	2
35025	BRANCHBURG TWP 1986	12945			4560	4911	2222	156	761	331
35025	BRANCHBURG TWP 1995		5321	1328	5786	3878	2221	160	740	156
35030	BRIDGEWATER TWP 1986	20834			10622	1220	5350	307	2867	478
35030	BRIDGEWATER TWP 1995		5092	3418	12021	658	4804	325	2568	468
35035	FAR HILLS BORO 1986	3121			491	845	1518	31	235	1
35035	FAR HILLS BORO 1995		1869	130	537	901	1425	33	202	23
35040	FRANKLIN TWP 1986	29995			8402	9670	5698	644	4875	703
35040	FRANKLIN TWP 1995		11321	3376	10307	7948	5860	661	4414	802
35045	GREEN BROOK TWP 1986	2820			1219	21	987	17	566	10
35045	GREEN BROOK TWP 1995		527	490	1368	14	871	17	497	53
35050	HILLSBOROUGH TWP 1986	35155			8237	11844	9194	292	4768	818
35050	HILLSBOROUGH TWP 1995		18291	2465	9941	10483	9003	286	4600	840
35055	MANVILLE BORO 1986	1572			1235	8	22	62	220	29
35055	MANVILLE BORO 1995		142	513	1169	0	21	56	211	119
35060	MILLSTONE BORO 1986	420			160	97	53	10	100	0
35060	MILLSTONE BORO 1995		144	28	158	97	55	10	99	1
35065	MONTGOMERY TWP 1986	20832			4668	7911	5565	113	2216	361
35065	MONTGOMERY TWP 1995		11098	1227	6441	5821	5735	123	2063	651
35070	NORTH PLAINFIELD BORO 1986	1806			1616	3	48	14	123	0
35070	NORTH PLAINFIELD BORO 1995		57	707	1613	3	54	14	120	0
35075	PEAPACK GLADSTONE BORO 1986	3798			971	968	1735	56	65	3
35075	PEAPACK GLADSTONE BORO 1995		2232	222	1067	935	1659	56	60	21
35080	RARITAN BORO 1986	1293			941	44	211	23	49	22
35080	RARITAN BORO 1995		234	467	987	0	207	24	47	25
35085	ROCKY HILL BORO 1986	405			228	111	49	2	12	0
35085	ROCKY HILL BORO 1995		150	55	236	124	28	2	12	0
35090	SOMERVILLE BORO 1986	1510			1258	2	53	17	140	38
35090	SOMERVILLE BORO 1995		67	592	1295	2	55	17	135	4
35095	SOUTH BOUND BROOK BORO 1986	483			347	1	9	70	59	0
35095	SOUTH BOUND BROOK BORO 1995		7	146	347	1	9	70	59	0
35100	WARREN TWP 1986	12524			4483	879	3987	49	3016	113
35100	WARREN TWP 1995		4113	1310	5416	644	3526	48	2700	193
35105	WATCHUNG BORO 1986	3897			2292	8	1254	17	176	151
35105	WATCHUNG BORO 1995		1064	562	2361	6	1157	17	170	187

Appendix E [Municipal Level Land Change Table]
Sussex County Municipalities

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Sussex County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
37005	ANDOVER BORO 1986	1158			204	292	509	19	73	62
37005	ANDOVER BORO 1995		822	58	217	290	523	25	71	33
37010	ANDOVER TWP 1986	13352			1999	2087	6730	587	1760	191
37010	ANDOVER TWP 1995		7380	387	2274	1867	6696	659	1659	199
37015	BRANCHVILLE BORO 1986	354			234	13	100	3	4	0
37015	BRANCHVILLE BORO 1995		94	69	244	10	92	3	4	1
37020	BYRAM TWP 1986	13928			1736	89	9985	829	1192	89
37020	BYRAM TWP 1995		4808	482	1943	85	9787	831	1158	116
37025	FRANKFORD TWP 1986	22588			2343	6271	9935	1043	2901	94
37025	FRANKFORD TWP 1995		12827	554	2909	5518	10080	1049	2838	193
37030	FRANKLIN BORO 1986	2918			875	443	1089	69	370	69
37030	FRANKLIN BORO 1995		1343	308	974	341	1104	69	365	62
37035	FREDON TWP 1986	11494			1222	3868	5039	260	1103	6
37035	FREDON TWP 1995		6916	247	1613	3399	5133	263	1070	20
37040	GREEN TWP 1986	10409			1011	3429	4796	197	968	16
37040	GREEN TWP 1995		6126	220	1391	3012	4819	191	946	58
37045	HAMBURG BORO 1986	738			326	61	197	17	98	37
37045	HAMBURG BORO 1995		238	141	370	37	202	17	88	22
37050	HAMPTON TWP 1986	16056			1632	2917	8219	744	2442	99
37050	HAMPTON TWP 1995		8599	435	2078	2704	8044	764	2341	122
37055	HARDYSTON TWP 1986	20851			1633	2722	12737	421	3056	284
37055	HARDYSTON TWP 1995		8121	444	2002	2133	12782	467	2975	494
37060	HOPATCONG BORO 1986	7808			2181	62	4032	901	568	70
37060	HOPATCONG BORO 1995		3527	675	2289	64	3876	906	555	124
37065	LAFAYETTE TWP 1986	11739			984	4755	4078	114	1619	195
37065	LAFAYETTE TWP 1995		7175	248	1286	4241	4252	118	1601	247
37070	MONTAGUE TWP 1986	29504			1244	1675	22034	1057	3447	41
37070	MONTAGUE TWP 1995		7199	248	1531	1620	21794	1039	3437	77
37075	NEWTON TOWN 1986	1991			980	181	520	21	262	24
37075	NEWTON TOWN 1995		573	414	1100	84	501	21	255	27
37080	OGDENSBURG BORO 1986	1465			412	16	695	31	269	39
37080	OGDENSBURG BORO 1995		529	131	429	16	679	31	266	41
37085	SANDYSTON TWP 1986	27192			1044	2491	20807	682	2137	28
37085	SANDYSTON TWP 1995		5776	196	1158	2405	20786	683	2126	31
37090	SPARTA TWP 1986	25581			4024	2422	14216	1453	3067	403
37090	SPARTA TWP 1995		12473	1209	5118	1925	13683	1456	2951	452
37095	STANHOPE BORO 1986	1464			501	0	611	226	111	14
37095	STANHOPE BORO 1995		497	184	547	0	559	228	108	21
37100	STILLWATER TWP 1986	19298			1765	2083	12436	1025	1900	84
37100	STILLWATER TWP 1995		11162	338	1946	1928	12411	1014	1883	111
37105	SUSSEX BORO 1986	397			283	34	50	20	11	0
37105	SUSSEX BORO 1995		56	105	287	35	45	1	11	19
37110	VERNON TWP 1986	45314			5462	4397	26471	1774	6916	297
37110	VERNON TWP 1995		10848	1532	6459	3502	26466	1795	6839	256
37115	WALPACK TWP 1986	14803			129	1078	12335	573	678	4
37115	WALPACK TWP 1995		0	27	123	1062	12360	565	667	20
37120	WANTAGE TWP 1986	43045			3501	15020	17269	592	6559	105
37120	WANTAGE TWP 1995		22472	896	4523	13812	17504	595	6395	217

Appendix E [Municipal Level Land Change Table]
Union County Municipalities

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Union County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
39005	BERKELEY HEIGHTS TWP 1986	4002			2617	12	1159	23	158	30
39005	BERKELEY HEIGHTS TWP 1995		743	976	2725	2	1083	23	157	9
39010	CLARK TWP 1986	2827			2230	17	276	130	175	0
39010	CLARK TWP 1995		197	902	2235	16	272	132	167	6
39015	CRANFORD TWP 1986	3140			2596	3	308	54	176	3
39015	CRANFORD TWP 1995		259	1091	2591	3	309	54	175	8
39020	ELIZABETH CITY 1986	8738			7317	0	354	857	169	33
39020	ELIZABETH CITY 1995		440	4881	7298	0	370	858	134	70
39025	FANWOOD BORO 1986	843			830	0	12	0	1	0
39025	FANWOOD BORO 1995		12	317	830	0	12	0	1	0
39030	GARWOOD BORO 1986	426			409	0	20	0	0	0
39030	GARWOOD BORO 1995		18	215	411	0	18	0	0	0
39035	HILLSIDE TWP 1986	1780			1650	0	55	13	59	1
39035	HILLSIDE TWP 1995		33	865	1652	0	53	13	59	1
39040	KENILWORTH BORO 1986	1391			1192	0	155	2	41	0
39040	KENILWORTH BORO 1995		110	575	1185	0	163	2	40	0
39045	LINDEN CITY 1986	7257			5647	0	496	427	564	126
39045	LINDEN CITY 1995		595	2702	5713	0	453	440	511	143
39050	MOUNTAINSIDE BORO 1986	2595			1514	39	988	22	29	2
39050	MOUNTAINSIDE BORO 1995		222	535	1519	39	983	22	29	2
39055	NEW PROVIDENCE BORO 1986	2357			1927	11	265	17	134	1
39055	NEW PROVIDENCE BORO 1995		209	738	1945	0	262	17	130	1
39060	PLAINFIELD CITY 1986	3795			3619	0	48	5	126	3
39060	PLAINFIELD CITY 1995		46	1536	3622	0	49	5	121	4
39065	RAHWAY CITY 1986	2611			2337	0	115	76	76	2
39065	RAHWAY CITY 1995		110	1131	2341	0	113	76	73	3
39070	ROSELLE BORO 1986	1691			1526	0	144	7	5	0
39070	ROSELLE BORO 1995		144	649	1529	0	137	7	2	7
39075	ROSELLE PARK BORO 1986	786			771	0	15	0	0	0
39075	ROSELLE PARK BORO 1995		17	380	771	0	15	0	0	0
39080	SCOTCH PLAINS TWP 1986	5790			3892	49	887	18	938	5
39080	SCOTCH PLAINS TWP 1995		402	1174	4020	22	827	18	828	74
39085	SPRINGFIELD TWP 1986	3309			2343	73	621	20	153	96
39085	SPRINGFIELD TWP 1995		319	1007	2415	24	625	20	153	69
39090	SUMMIT CITY 1986	3867			3184	0	592	37	39	16
39090	SUMMIT CITY 1995		260	1193	3196	0	585	37	34	16
39095	UNION TWP 1986	5797			5019	7	504	27	235	12
39095	UNION TWP 1995		372	2526	5085	7	446	28	227	11
39100	WESTFIELD TOWN 1986	4290			3856	19	343	26	42	7
39100	WESTFIELD TOWN 1995		316	1353	3873	21	319	26	42	12
39105	WINFIELD TWP 1986	112			105	0	6	0	0	0
39105	WINFIELD TWP 1995		6	35	105	0	6	0	0	0

Appendix E [Municipal Level Land Change Table]
Warren County Municipalities

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Warren County

FIPS	MUNICIPALITY	AREA AC	AVAIL AC	IS AC	URBAN	AGRICULTURE	FOREST	WATER	WETLANDS	BARREN
41005	ALLAMUCHY TWP 1986	13257			1002	3593	6200	211	2178	58
41005	ALLAMUCHY TWP 1995		3900	393	1172	3563	6114	213	2131	49
41010	ALPHA BORO 1986	1099			464	512	85	24	0	16
41010	ALPHA BORO 1995		435	191	518	463	78	24	0	18
41015	BELVIDERE TOWN 1986	856			509	96	183	33	31	5
41015	BELVIDERE TOWN 1995		251	176	558	40	195	33	30	1
41020	BLAIRSTOWN TWP 1986	20149			3078	4444	10230	667	1660	67
41020	BLAIRSTOWN TWP 1995		11239	597	3611	3853	10345	651	1613	73
41025	FRANKLIN TWP 1986	15300			1093	8409	5114	117	455	102
41025	FRANKLIN TWP 1995		8769	327	1459	7975	5184	116	451	105
41030	FRELINGHUYSEN TWP 1986	15044			1036	4343	8038	206	1424	10
41030	FRELINGHUYSEN TWP 1995		9991	231	1300	3992	8059	208	1411	87
41035	GREENWICH TWP 1986	6682			830	4803	902	42	106	1
41035	GREENWICH TWP 1995		4873	344	1490	3845	965	42	105	237
41040	HACKETTSTOWN TOWN 1986	2404			1324	96	630	61	286	7
41040	HACKETTSTOWN TOWN 1995		462	575	1401	93	587	61	243	19
41045	HARDWICK TWP 1986	11266			779	1796	7693	272	720	8
41045	HARDWICK TWP 1995		7816	130	1009	1625	7628	271	692	43
41050	HARMONY TWP 1986	15539			1411	6829	6209	279	506	311
41050	HARMONY TWP 1995		8213	329	1742	6357	5753	962	483	248
41055	HOPE TWP 1986	11942			973	3851	5663	193	1245	17
41055	HOPE TWP 1995		7485	225	1145	3644	5700	175	1239	39
41060	INDEPENDENCE TWP 1986	12759			1208	3045	5601	105	2719	89
41060	INDEPENDENCE TWP 1995		6057	344	1590	2911	5424	105	2609	128
41065	KNOWLTON TWP 1986	16022			1514	4653	8107	458	1245	45
41065	KNOWLTON TWP 1995		8854	457	1979	4125	8178	456	1219	65
41070	LIBERTY TWP 1986	7701			808	1183	5130	167	400	7
41070	LIBERTY TWP 1995		3993	191	1047	1010	5049	167	396	26
41075	LOPATCONG TWP 1986	4683			1191	2134	1247	41	68	4
41075	LOPATCONG TWP 1995		2543	448	1442	1891	1191	42	66	53
41080	MANSFIELD TWP 1986	18877			1868	5426	9934	80	1505	60
41080	MANSFIELD TWP 1995		10022	510	2249	5032	9875	80	1486	151
41085	OXFORD TWP 1986	3940			431	904	1715	69	722	101
41085	OXFORD TWP 1995		1536	121	491	821	1755	69	677	129
41090	PAHAQUARRY TWP 1986	13520			204	295	11795	818	398	10
41090	PAHAQUARRY TWP 1995		38	58	204	285	11810	799	414	8
41095	PHILLIPSBURG TOWN 1986	2107			1626	65	294	101	14	7
41095	PHILLIPSBURG TOWN 1995		267	760	1646	51	276	100	10	24
41100	POHATCONG TWP 1986	8766			1058	4569	2633	258	140	95
41100	POHATCONG TWP 1995		4807	389	1392	4088	2686	249	135	203
41105	WASHINGTON BORO 1986	1254			849	81	251	1	73	0
41105	WASHINGTON BORO 1995		304	341	865	76	243	1	70	0
41110	WASHINGTON TWP 1986	11398			1726	5212	3712	56	645	41
41110	WASHINGTON TWP 1995		6510	480	2503	4406	3735	56	626	66
41115	WHITE TWP 1986	17794			1635	6436	8184	402	992	142
41115	WHITE TWP 1995		10843	416	2047	5893	8057	392	981	421