Appendix H - Production and Attraction of Solid Waste

Indiana Counties, 1991

As part of this project data were compiled on solid waste flows to landfills in Indiana from quarterly reports submitted to the Indiana Department of Environmental Management. These reports identify four categories of solid waste: municipal, construction, other, and total. Table H-1 on the following two pages give production (P) and attraction (A) values for each of these categories for each of the 92 counties of Indiana. The counties are listed alphabetically from 1 to 92 and the reader need only consult one of the alphabetical county lists in these appendices to identify the county name.

Garth Banninga, a graduate student in geography at the time this project began, compiled the data and performed several statistical operations on the data. With regard to county-level waste production he found that this was a positive function of county population and median family income, and a negative function of the amount of recycling that took place in the county of production. The direction of these variable relationships are consistent with expectations. A model using these variables to predict total waste production was able to explain 65% of the variation in the data.

Waste attraction was found to be related to landfill space available in the county. This variable alone explained 85% of the waste attracted to each county.

Table H-1 Production and Attraction of Solid Waste, Indiana Counties, 1991 (annual tons)

County	P-Municipal-A		P-Construction-A		P-Other-A		P-Total-A	
1	27853	9084	832	33	6310	5912	34997	15029
2	299155	483187	15810	31756	2786	64579	317751	578218
3	80989	59154	24248	24236	28658	20925	133895	104315
4	2006	0	45	0	18	0	2069	0
5	4258	3961	336	330	13604	7984	18195	12275
6	27862	157284	3877	9061	1057	0	34823	166255
7	7354	6648	456	293	68	0	7878	6941
8	22233	14828	260	0	1434	0	23927	14828
9	38279	363145	2954	21985	3759	52676	44992	437896
10	75551	193017	12282	21144	26877	49620	114710	263781
11	13374	247750	91	2581	840	8271	14305	258459
12	11549	11362	6103	5684	244	0	17896	17046
13	3354	0	48	0	62	0	3464	0
14	17467	17360	803	803	7785	2918	26055	21081
15	4432	1781	0	0	2470	2299	6902	4080
16	19958	28531	1027	1094	3162	18114	24147	47739
17	53661	6580	577	0	94322	0	147256	6580
18	157640	43704	22480	0	8179	0	188349	43704
19	30797	11258	3072	2372	7704	6288	41573	19918
20	273713	242490	30312	30346	116661	116250	420517	389086
21	9608	0	1330	0	3187	0	14125	0
22	64359	0	6476	0	18849	0	89684	0
23	10238	10238	968	968	3783	4452	14989	15658
24	11806	2275	2058	1011	98	0	13908	3232
25	8327	28952	520	7410	3832	26932	12679	63284
26	7724	3928	4348	4346	455298	454034	465278	462308
27	59263	0	1029	0	2571	0	62863	0
28	8795	50497	591	2079	3177	88493	12563	140869
29	199899	49764	69265	46078	10050	5293	279124	101185
30	128550	60426	23204	8485	7956	119	159710	69030
31	46888	12617	2878	528	5208	1223	54974	14368
32	56910	434719	2881	75214	8313	559823	681041	69752
33	28287	59849	1978	3712	10522	13913	40787	77474
34	151658	38785	2829	0	18095	0	172672	38785
35	29141	26451	133	16	4201	3690	33475	30157
36	32597	187375	1084	8909	6193	11010	39874	207294
37	26558	6402	947	0	456235	456212	483739	462614
38	14194	13550	961	1239	383	118	15538	14907
39	65708	11808	9742	4645	88170	87186	163620	103639

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40	10343	6692	332	341	197	150	10872	7183
41	99808	28394	2398	0	10533	0	112739	28394
42	28570	28556	3002	2992	44150	10696	75722	42244
43	116343	86961	2335	285	48684	45470	167362	132716
44	28066	10438	313	240	1586	2413	53394	36520
45	431325	335481	32685	53096	252824	160972	716865	549549
46	110072	413192	3240	2630	39100	53438	152412	469260
47	27785	22355	7524	7329	19269	0	54578	29684
48	109001	85624	24377	18463	28589	24843	161968	128930
49	11888491	77673	170343	137337	565994	70036	19251861	287073
50	34879	0	4702	0	16852	0	56433	0
51	4691	2300	432	400	219	196	5342	2896
52	28705	69551	1948	1321	1703	6351	32351	77218
53	115341	54521	6169	6150	18097	5011	139396	65682
54	107171	34092	421	0	8513	0	116105	34092
55	28081	7557	1251	689	668	0	30000	8246
56	6677	0	481	0	214	0	7372	0
57	32111	8723	912	832	5082	0	38105	9555
58	196	0	0	0	0	0	196	0
59	23803	8131	68	45	57	0	23928	8176
60	6066	4269	1439	1341	82	0	7587	5610
61	4033	0	104	0	304	0	4437	0
62	8997	0	144	0	745	0	9886	0
63	97	0	29	0	621781	626916	621907	626916
64	158272	322924	5773	6585	13830	101827	177875	431335
65	15027	11151	21443	21383	269742	55128	307212	87662
66	15735	3963	1026	419	202	0	16963	4382
67	26354	6400	10113	7461	18217	7951	54684	21812
68	12266	84413	597	9077	1604	14742	14467	108229
69	15122	4282	216	0	1960	0	17298	4282
70	9044	0	4553	0	24775	0	38372	0
71	244985	462147	15154	14986	7072	14241	267211	491205
72	38268	7970	510	226	189	0	38967	8196
73	26265	38981	10306	31692	30403	52084	66974	122758
74	19385	37969	123	250	165744	146274	185248	184489
75	10462	0	85	0	1197	0	11734	0
76	41206	17354	1924	800	941	0	44071	18154
77	4788	4200	1340	1283	874649	874612	880777	880095
78	1411	0	84	80	0	0	1495	80
79	309357	94147	31716	15466	11723	0	352796	109613
80	4108	3886	1048	1048	6215	6104	11371	11038

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81	3662	1213	96	0	65	0	3823	1213
82	193395	200609	2502	2213	17325	234155	213222	435885
83	19179	29448	2510	3538	16726	31632	38415	64618
84	15375	29791	13832	13384	81190	88615	110397	131790
85	32992	325520	12368	12464	83484	81273	128844	419257
86	2526	2501	17	0	742	0	3285	2501
87	20790	44317	32736	33833	92603	105403	146129	183542
88	10021	9528	791	783	3564	3531	14376	13842
89	91997	89126	5180	6069	5330	200	102507	95395
90	25463	154796	984	3533	997	1908	73769	206564
91	18307	111788	906	5153	987	23684	20200	140625
92	21813	0	237	0	743	0	22793	0