

**Table 1-1
Summary of 1996 On-site System Survey Results**

	Number of Lots	Number Surveyed	Lots Vacant	Not Completed	Number of Serious Problems (Number)	(%)	Number of Minor Problems (Number)	(%)	Total Systems with Reported Problems (Number)	(%)	No Problem Indicated	
Vera Cruz Road	32	31	0	1	10	31.3%	1	3.1%	10	31.3%	19	61.3%
Vera Cruz	65	57	4	4	19	31.1%	5	8.2%	24	39.3%	33	57.9%
Spruce Road	14	9	3	2	0	0.0%	0	0.0%	0	0.0%	9	100.0%
Moyer Subdivision	40	35	2	3	12	31.6%	1	2.6%	13	34.2%	22	62.9%
Main Street East	67	50	4	13	12	19.0%	2	3.2%	14	22.2%	36	72.0%
Old Zionville	111	79	8	24	8	7.8%	5	4.9%	13	12.6%	66	83.5%
Powder Valley	19	12	1	6	1	5.6%	1	5.6%	2	11.1%	10	83.3%
Mill Road	3	1	0	2	1	33.3%	0	0.0%	1	33.3%	2	200.0%
Total	351	274	22	55	63	19.1%	15	4.6%	78	23.7%	197	71.9%

Source : Act 537 Official Sewage Facilities Plan Update - Phase 1 Report
Note: Percentages do agree with those shown on original table

**Table 3-1
Compatibility of Major Soil Components**

<u>Soil Group</u>	<u>Soil Symbol</u>	<u>High Water Table</u> ² (ft)	<u>Soil Depth</u> ¹ (ft)	<u>Limiting Permeability</u> ¹ (in/hr)	<u>Use for On-site Systems</u>
Brinkerton	BtB	0.0 - 0.5	5.1	0.06 - 0.6	Very Limited: depth to high ground water table
Comly	BtB	1.0 - 3.0	5.1	0.2 - 0.6	Very Limited: depth to high ground water table
Clarksburg	CmA	1.5 - 3.0	7	0.06 - 0.6	Very Limited: depth to high ground water table
Edgemont	EhB, EhC	N/D	5	0.6 - 6	Somewhat Limited
Gladstone	GeA - D	N/D	5.7	0.2 - 0.6	Somewhat Limited
Gladstone	GfB - D	N/D	5.7 - 6.5	0.6 - 2	Not Limited
Glenville	GnB	0.5 - 3.0	6.8	0.06 - 0.6	Very Limited: depth to high ground water table
Hazelton	HeD, HeF	N/D	4.6	2 - 6	Very Limited: high permeability rate
Holly	Ho	0.0 - 1.0	5.2	0.2 - 2	Very Limited: depth to high ground water table
Laidig	LaB, LaC, LbB	2.5 - 4.0	5.2	0.06 - 0.6	Somewhat Limited
Middlebury	Me	0.5 - 2.0	5.3	0.6 - 2	Very Limited: flooding, depth to high ground water table
Murrill	MuB, MuC	N/D	5.3	0.2 - 2	Somewhat Limited
Neshaminy	NaB, NaC	N/D	4.5	0.2 - 0.6	Somewhat Limited
Penn	PkC	N/D	3.7	0.2 - 6	Somewhat Limited
Towkee	ToA, ToB, TwB	0.0 - 0.5	6.3	0.06 - 0.2	Very Limited: depth to high ground water table
Udorthents	Ua	5	5	0.06 - 0.2	Unlimited
Urban Land (w/ Laldag)	UkB	N/D	N/D	N/D	Very Limited: urbanized area
Urban Land (w/Berks)	UsD	N/D	N/D	N/D	Very Limited: urbanized area
Washington	WaB, WaC	N/D	5.9	0.6 - 2	Unlimited

Notes:

- 1 - Information obtained from Table J1b, USDA-NRCS NASIS Pangaea Reports
- 2 - Information obtained from Table K1, USDA-NRCS NASIS Pangaea Reports

**Table 3-2
Existing Housing Density**

Needs Area	Estimated Density	
	Minimum (EDU/acre)	Maximum (EDU/acre)
SC-1	<0.50	>2.0
LC-1	<0.50	>2.0
LC-2	<0.50	>2.0
LC-3	<0.50	>2.0
LC-4	0.50	>2.0
LC-5	<0.50	>2.0
IC-1	<0.50	>2.0
HC-1	0.70	>2.0
HC-2	<0.50	>2.0
HC-3	<0.50	0.88
SWC-1	<0.50	>2.0
LL-1	<0.50	>2.0
LL-2	<0.50	>2.0

**Table 3-3
Summary of Properties Located In Floodplain**

Needs Area	Total Systems Surveyed	Number of Impacted Systems	
		Number	%
SC-1	26	0	0.00%
LC-1	25	0	0.00%
LC-2	146	33	22.60%
LC-3	37	0	0.00%
LC-4	41	1	2.44%
LC-5	91	0	0.00%
IC-1	128	0	0.00%
HC-1	56	0	0.00%
HC-2	109	0	0.00%
HC-3	19	0	0.00%
SWC-1	81	7	8.64%
LL-1	51	0	0.00%
LL-2	18	0	0.00%
Total	828	41	4.95%

Table 3-4
Summary of Systems with Limited Isolation Distances

Needs Area	Total Systems Surveyed	Number of Impacted Systems	
		Number	%
SC-1	26	5	19.23%
LC-1	25	20	80.00%
LC-2	146	110	75.34%
LC-3	37	27	72.97%
LC-4	41	10	24.39%
LC-5	91	19	20.88%
IC-1	128	14	10.94%
HC-1	56	2	3.57%
HC-2	109	81	74.31%
HC-3	19	18	94.74%
SWC-1	81	34	41.98%
LL-1	51	16	31.37%
LL-2	18	13	72.22%
Total	828	369	44.57%

Table 4-1
Summary of On Site Repair Records
Years 1992 - 2002

Year	Number of repair permits	Total number of permits
1992	32	56
1993	22	49
1994	25	41
1995	23	55
1996	26	64
1997	25	68
1998	39	74
1999	14	59
2000	11	47
2001	16	46
2002	20	58
Total	221	561

Table 4-2
Summary of Needs Area On Site Repair Records
Years 1992 - 2002

Needs Area	Total Systems Surveyed	Number of Repairs	
		Number	%
SC-1	26	13	50.00%
LC-1	25	3	12.00%
LC-2	146	24	16.44%
LC-3	37	10	27.03%
LC-4	41	13	31.71%
LC-5	91	26	28.57%
IC-1	128	32	25.00%
HC-1	56	13	23.21%
HC-2	109	38	34.86%
HC-3	19	5	26.32%
SWC-1	81	21	25.93%
LL-1	51	13	25.49%
LL-2	18	2	11.11%
Total	828	213	25.72%

Table 4-3
Summary of Systems Repaired Using Best Technical Guidance

Needs Area	Total Systems Surveyed	Number of Impacted Systems	
		Number	%
SC-1	26	2	7.69%
LC-1	25	4	16.00%
LC-2	146	27	18.49%
LC-3	37	4	10.81%
LC-4	41	1	2.44%
LC-5	91	7	7.69%
IC-1	128	4	3.13%
HC-1	56	1	1.79%
HC-2	109	15	13.76%
HC-3	19	4	21.05%
SWC-1	81	5	6.17%
LL-1	51	2	3.92%
LL-2	18	1	5.56%
Total	828	77	9.30%

**Table 5-1
Summary of On Site System Survey**

Needs Area	Total Systems Surveyed	Unknown Disposal Method		Suspected Systems with Problems		Confirmed Malfunctions ¹		Elevated Sand Mounds		Confirmed/Suspected Cesspools	
		Number	%	Number	%	Number	%	Number	%	Number	%
SC-1	26	0	0.00%	4	15.38%	4	15.38%	3	11.54%	0	0.00%
LC-1	25	3	12.00%	7	28.00%	6	24.00%	2	8.00%	1	4.00%
LC-2	146	8	5.48%	34	23.29%	35	23.97%	12	8.22%	12	8.22%
LC-3	37	3	8.11%	6	16.22%	7	18.92%	6	16.22%	1	2.70%
LC-4	41	0	0.00%	5	12.20%	3	7.32%	6	14.63%	1	2.44%
LC-5	91	3	3.30%	6	6.59%	8	8.79%	17	18.68%	3	3.30%
IC-1	128	0	0.00%	5	3.91%	5	3.91%	13	10.16%	1	0.78%
HC-1	56	3	5.36%	4	7.14%	2	3.57%	1	1.79%	0	0.00%
HC-2	109	5	4.59%	8	7.34%	15	13.76%	5	4.59%	1	0.92%
HC-3	19	0	0.00%	3	15.79%	4	21.05%	1	5.26%	0	0.00%
SWC-1	81	0	0.00%	7	8.64%	8	9.88%	7	8.64%	3	3.70%
LL-1	51	1	1.96%	1	1.96%	2	3.92%	0	0.00%	1	1.96%
LL-2	18	4	22.22%	7	38.89%	5	27.78%	0	0.00%	3	16.67%
Total	828	30	3.62%	97	11.71%	104	12.56%	73	8.82%	27	3.26%

1- Includes system repairs using BTG

**Table 6-1
Evaluation of Needs**

Needs Area	Soils	Geology	Density	System Repairs	Suspected Malfunctions	Confirmed Malfunctions	Confirmed/Suspected Cesspools	Floodplain Restrictions	Limiting Isolation Distances	Overall Rating
SC-1	High	High	High	High	Moderate	Slight	Moderate	Slight	Moderate	Moderate
LC-1	High	High	High	Moderate	High	Slight	Slight	Slight	High	Moderate
LC-2	High	High	High	Moderate	High	Moderate	Slight	High	High	High
LC-3	Moderate	High	High	High	Moderate	Moderate	Moderate	Slight	High	Moderate
LC-4	High	High	Moderate	High	Moderate	Slight	Moderate	Slight	High	Moderate
LC-5	High	High	High	High	Slight	Slight	Moderate	Slight	High	Moderate
IC-1	High	Moderate	Moderate	High	Slight	Slight	Moderate	Slight	Moderate	Moderate
HC-1	High	Moderate	High	High	Slight	Slight	Slight	Slight	Slight	Moderate
HC-2	High	Moderate	High	High	Slight	Slight	Slight	Slight	High	Moderate
HC-3	High	Moderate	High	High	Moderate	Slight	Slight	Slight	High	Moderate
SWC-1	High	High	High	High	Slight	Slight	Slight	Slight	High	Moderate
LL-1	High	Moderate	High	High	Slight	Slight	Slight	Slight	High	Moderate
LL-2	High	Moderate	High	High	High	High	Moderate	Slight	High	High
Risk Classifications										
High	(1)	(2)	<0.50/acre	>20%	>20%	>20%	>20%	>20%	>20%	
Moderate	(1)	(3)	0.5-2.0/acre	10-20%	10-20%	10-20%	10-20%	10-20%	10-20%	
Low	(1)	(4)	> 2.0/acre	<10%	<10%	<10%	<10%	<10%	<10%	

1 - Estimated average soil condition for area based SCS soil data
 2 - Areas underlain by carbonate rock
 3 - Areas on the fringe of areas underlain by carbonate rock
 4 - Areas not underlain by carbonate rock