In Anne Arundel County

A process of

- Finding all vacant and under-developed lands in the County
- Finding and eliminating of all lands that can not be developed because of:
 - Naturals features and conditions
 - State and county policies
 - Ownership and use of the land
- Calculating possible buildable number of units in all developable lots in the county based on land use codes and actual practice

The process includes the following steps:

- Selecting two sets of data for all parcels, tax accounts including all other relevant information with improvement values
 - Less than \$10,000 (potentially vacant lot) and
 - More than \$10,000 but less than the base land value (making it a candidate for redevelopment)
- Understanding how the developability of the above lots are affected by their locations in regards to natural constraints, zoning and government policies, availability of infrastructures etc.

- For natural and other constraints that would restrict development, we considered:
 - Steep slopes (>25%)
 - Stream buffer (100 ft)
 - Wetlands & BOG areas
 - Schools, Parks, cemeteries, Home owners association
 - SWM areas
 - BGE Utility corridors,
 - Open spaces, Protected land, Open water and Marshes
 - Etc.

Data (GIS layers) with above information were combined together to create a master layer depicting areas where nothing could be built.

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Data (GIS layers) with above information were combined together to create a master layer depicting areas where nothing could be built.

GIS Models were used to generate two GIS layers – one for vacant parcels (<\$10k improvement value) and another for re-developable (>\$10k improvement value) parcels indicating:

- Zoning info
- Whether they have sewer/water infrastructure,
- Areas that are affected by constraints,
- If they fall in critical areas and
- Their original areas



Finally:

Units are calculated based on zoning, allowable density and yield factors.

Note: yield factors are a percentage determined by historical data of what number of units were actually built per acre as oppose to what could be built as per the codes.

Yield factor chart:

se Zoi		Se	ewer	Critical Area	Yield by Code	for Yield Factor	Min Net. Acreage for Yield Factor	Gross Lot Size for one house (sq ft)	Net Lot Size for two houses (sq ft)	Minimum Net Lot size for redev.	Redevelopment Yield Factor (remember to minus exist. Lot)
R			yes	N/A	1/40,000 sq.ft.	0.7	4 (174,240 sq.ft.)	4000 ≤ > 80,000	80,000 ≤ > 174,240	2.67 (116,160 sf)	0.75
R	1 40,000 sq.	ft. y	yes	RCA	1/ 20 acres	0.05	40	8,000≤ > 40ac (1,742,400)	N/A		
R1			no	IDA		9.1					
R			no	LDA		9.1					
R1			yes	IDA	10/acre	9.1	0.23 (10,130sq.ft.)	4,000≤ >10,131	N/A	40,000 sf	9.1
) R1			yes	LDA	4/acre	2.2	.91 (39,600 sq.ft.)	4000≤ > 39,600	N/A	40,000 sf	2.2
I R1			yes	N/A	10/acre	9.1	0.23 (10,130sq.ft.)	4,000≤ >10,131	N/A	40,000 sf	9.1
? R1	0 N/A	y	yes	RCA	1/ 20 acres	0.05	40	8,000≤ > 40ac (1,742,400)	N/A	40,000 sf	0.05
	-										
8 R1		_	no	N/A	4/acre	2.2	.91 (39,600 sq.ft.)	8000≤ > 39,600	N/A	40,000 sf	2.2
R1			yes	IDA	15/acre	12.2	0.18 (7,576sq.ft.)	4000≤ > 7,576	N/A	40,000 sf	12.2
i R1			yes	LDA	4/acre	2.2	.91 (39,600 sq.ft.)	4000≤ > 39,600	N/A	40,000 sf	2.2
5 R1			yes	N/A	15/acre	12.2	0.18 (7,576sq.ft.)	4000≤ > 7,576	N/A	40,000 sf	12.2
7 R1	5 N/A	У	yes	RCA	1/ 20 acres	0.05	40	8,000≤ > 40ac (1,742,400)	N/A	40,000 sf	0.05
				10.4	4/00 000 0		0.5.(100.000.0	1 000 4 10 000	10.000 1. 100.000	4 07 (70 000 0	10
3 R			no	IDA	1/20,000 sq.ft.	0.6	2.5 (108,900 sf)	4,000≤ > 40,000	40,000 ≤ > 108,900	1.67 (72,600 sf)	1.2
) <u>R</u>			no	LDA	1/20,000 sq.ft.	0.7	2.5 (108,900 sf)	4,000≤ > 40,000	40,000 ≤ > 108,900	1.67 (72,600 sf)	1.2
) <u>R</u>			no	N/A	1/20,000 sq.ft.	0.6	2.5 (108,900 sf)	4,000≤ > 40,000	40,000 ≤ > 108,900	1.67 (72,600 sf)	1.2
R			no	RCA	1/ 20 acres	0.05	40	8,000≤ > 40ac (1,742,400)	N/A	4 40 (40 400 0	10
2 R			yes		2.5/acre (17,424 sf)	2	1.67 (72,600 sq.ft.)	4,000≤ >30,000	30,000 ≤ > 72,600	1.12 (48,400 sf)	1.8
3 R			yes		2.5/acre (17,424 sf)	1.7	1.67 (72,600 sq.ft.)	4,000≤ >30,000	30,000 ≤ > 72,600	1.12 (48,400 sf)	1.8
R			yes		2.5/acre (17,424 sf)	2	1.67 (72,600 sq.ft.)	4,000≤ >30,000	30,000 ≤ > 72,600	1.12 (48,400 sf)	1.8
i R	2 20,000 sq.	n. y	yes	RCA	1/ 20 acres	0.05	40	4,000≤ > 40ac (1,742,400)	N/A		
i R2	2 N/A			NI/A	22/acre	20.9	0.405 /5.445 0.1	4000≤ >5.445	N/A	40.000 sf	20.9
) R2			yes	N/A	22/acre 22/acre		0.125 (5,445sq.ft.) 40		N/A N/A		20.9
R2			yes	RCA N/A	22/acre 22/acre	0.05	40 0.125 (5,445sq.ft.)	8,000≤ > 40ac (1,742,400) 4000≤ >5,445	N/A N/A	40,000 sf 40,000 sf	20.9
R2	2 N/A		no	IN/A	ZZ/acre	20.9	U. 125 (5,445Sq.π.)	4000≤ >5,445	N/A	40,000 st	20.9
B R	5 7,000 sq.f	•	-	IDA	5/acre (174,240 sf)	4.1	1.2 (52.272 sf)	8.000≤ >17.424	17.424≤ > 52.272	.8 (34.848 sf)	2.5
			no		4/acre (174,240 st)	4.1	1.2 (52,272 st) 1.36 (59,400sq.ft.)	8,000≤ >17,424 8000≤ > 21,780	21,780≤ > 59,400	.90 (39,560 sf)	2.5
			no no		5/acre (174,240 st)	3	1.36 (59,400sq.ft.) 1.2 (52,272 sf)	8.000≤ >17.424	21,760≤ > 59,400 17,424≤ > 52,272	.8 (34,848 sf)	2.5
			no no	RCA	5/acre (174,240 st) 1/ 20 acres	0.05	1.2 (52,272 st) 40	8,000≤ >17,424 4,000≤ > 40ac (1,742,400)	N/A	.0 (34,040 SI)	2.0
			ves		5/acre (217,800 sf)	4.1	.8 (34,848 sf)	4,000≤ > 40ac (1,742,400) 4000≤ > 23,232	23.232 ≤ > 34.848	.53 (23,232 sf)	3.75
) R			ves		4/acre (174.240 sf)		1.36 (59.241sq.ft.)	4000≤ > 23,232 8000≤ > 21,780	21.780≤ > 59.400	.90 (39.560 sf)	2.2

Final Result:

tial D8 Units 723 1864 6662 938 9316 1158 9161 2299	Zoned R1 R10	Acreage 2347.681 408.3699	om May 2011 Units 1998	Zoned	2012			201	5
e Units 723 1864 6662 938 9316 1158	Zoned R1 R10 R15	Acreage 2347.681 408.3699	Units					201	5
723 1864 6662 938 9316 1158	Zoned R1 R10 R15	Acreage 2347.681 408.3699	Units		A				
723 1864 6662 938 9316 1158	R1 R10 R15	2347.681 408.3699			A				
723 1864 6662 938 9316 1158	R1 R10 R15	2347.681 408.3699			Acrean				
6662 938 9316 1158	R10 R15	408.3699	1998		Acreage	Units	Zoned	Acreage	Units
9316 1158	R15			R1	2167.03	1884	R1	2197.75	2234
			3268	R10	426.0911	3433	R10	357.82	2520
9161 2299	R2	60.84216	696	R15	69.65653	796	R15	79.07	788
			4319	R2	1795.572	4338	R2	1865.79	4703
	R22	16.44441	337	R22	14.03669	289	R22	9.22	199
075 3140	R5	946.4385	3170	R5	981.6764	3282	R5	953.88	3709
2613 1482	RA	9335.722	1699	RA	9634.016	1697	RA	8821.90	1621
8642 441	RLD	1939.163	765	RLD	1947.385	762	RLD	1735.88	775
7051 11322		16915.02	16252		17035.46	16481		16021.32	16549
e Units	Zoned	Acreage	Units	Zoned		Units	Zoned	Acreage	Units
2562 2242	R1	3167.36	1640	R1		1515	R1	2859.91	1363
	R10	61.69224	473	R10	87.15006	698	R10		
	R15	220.3281	2530	R15	228.3004	2624	R15		
2914 2826	R2	2903.792	3605	R2	2829.271	3492	R2	2391.13	2581
		56.98632	1176	R22	96.44822	2001	R22		
3131 6279	R5	1997.373	4936	R5	2012.057	5021	R5	1965.26	4634
2412 395	RA	7087.385	221	RA	7149.089	230	RA	6106.28	173
9583 163	RLD	1028.999	128	RLD	1127.463	150	RLD	1098.00	141
7231 11905		16523.92	14709		16503.49	15731		14420.58	8892
	3131 6279 2412 395 9583 163	2914 2826 R2 8131 6279 R5 2412 395 RA 9583 163 RLD	2914 2826 R2 2903.792 R22 56.98632 8131 6279 R5 1997.373 2412 395 RA 7087.385 9583 163 RLD 1028.999	2914 2826 R2 2903.792 3605 R22 56.98632 1176 3131 6279 R5 1997.373 4936 2412 395 RA 7087.385 221 9583 163 RLD 1028.999 128	2914 2826 R2 2903.792 3605 R2 R22 56.98632 1176 R22 3131 6279 R5 1997.373 4936 R5 2412 395 RA 7087.385 221 RA 9583 163 RLD 1028.999 128 RLD	2914 2826 R2 2903.792 3605 R2 2829.271 R22 56.98632 1176 R22 96.44822 3131 6279 R5 1997.373 4936 R5 2012.057 2412 395 RA 7087.385 221 RA 7149.089 9583 163 RLD 1028.999 128 RLD 1127.463	2914 2826 R2 2903.792 3605 R2 2829.271 3492 R22 56.98632 1176 R22 96.44822 2001 3131 6279 R5 1997.373 4936 R5 2012.057 5021 2412 395 RA 7087.385 221 RA 7149.089 230 9583 163 RLD 1028.999 128 RLD 1127.463 150	2914 2826 R2 2903.792 3605 R2 2829.271 3492 R2 R2 56.98632 1176 R22 96.44822 2001 R22 3131 6279 R5 1997.373 4936 R5 2012.057 5021 R5 2412 395 RA 7087.385 221 RA 7149.089 230 RA 9583 163 RLD 1028.999 128 RLD 1127.463 150 RLD	2914 2826 R2 2903.792 3605 R2 2829.271 3492 R2 2391.13 R22 56.98632 1176 R22 96.44822 2001 R22 2391.13 3131 6279 R5 1997.373 4936 R5 2012.057 5021 R5 1965.26 2412 395 RA 7087.385 221 RA 7149.089 230 RA 6106.28 9583 163 RLD 1028.999 128 RLD 1127.463 150 RLD 1098.00

Quick App:



Thank you!!!!