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:

			1	1	1	1						
						Actual Yield					Redevelopment	
						(Units/Per Acre)				Minimum Net	Yield Factor	
		Min. Lot Size		Critical		for Min. Acreage	Min Net. Acreage for	Gross Lot Size for one	Net Lot Size for two	Lot size for	(remember to	
æ	Zone	by Code	Sewer	Area	Yield by Code	for Yield Factor	Yield Factor	house (sq ft)	houses (sa ft)	redev.	minus exist. Lot)	
-	R1	40.000 sa.ft.	ves	N/A	1/40.000 sa.ft.	0.7	4 (174,240 sq.ft.)	4000 ≤ > 80.000	80.000 ≤ > 174.240	2.67 (116.160 sf)	0.75	
_	R1	40,000 sq.ft.	ves	RCA	1/ 20 acres	0.05	40	8.000≤ > 40ac (1.742.400)	N/A			
		, i i i i i i i i i i i i i i i i i i i	ĺ.									
	R10		no	IDA		9.1						
	R10		no	LDA		9.1						
	R10	N/A	yes	IDA	10/acre	9.1	0.23 (10,130sq.ft.)	4,000≤ >10,131	N/A	40,000 sf	9.1	
)	R10	N/A	yes	LDA	4/acre	2.2	.91 (39,600 sq.ft.)	4000≤ > 39,600	N/A	40,000 sf	2.2	
	R10	N/A	yes	N/A	10/acre	9.1	0.23 (10,130sq.ft.)	4,000≤ >10,131	N/A	40,000 sf	9.1	
2	R10	N/A	yes	RCA	1/ 20 acres	0.05	40	8,000≤ > 40ac (1,742,400)	N/A	40,000 sf	0.05	
3	R15	N/A	no	N/A	4/acre	2.2	.91 (39,600 sq.ft.)	8000≤ > 39,600	N/A	40,000 sf	2.2	
I.	R15	N/A	yes	IDA	15/acre	12.2	0.18 (7,576sq.ft.)	4000≤ > 7,576	N/A	40,000 sf	12.2	
j	R15	N/A	yes	LDA	4/acre	2.2	.91 (39,600 sq.ft.)	4000≤ > 39,600	N/A	40,000 sf	2.2	
;	R15	N/A	yes	N/A	15/acre	12.2	0.18 (7,576sq.ft.)	4000≤ > 7,576	N/A	40,000 sf	12.2	
1	R15	N/A	yes	RCA	1/ 20 acres	0.05	40	8,000≤ > 40ac (1,742,400)	N/A	40,000 sf	0.05	
_												
3	R2	20,000 sq.ft.	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	
)	R2	20,000 sq.ft.	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	
)	R2	20,000 sq.ft.	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	
	R2	20,000 sq.ft.	no	RCA	1/ 20 acres	0.05	40	8,000≤ > 40ac (1,742,400)	N/A			
2	R2	15,000 sq.ft.	yes	IDA	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	R2	15,000 sq.ft.	yes	LDA	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	
١.	R2	15,000 sq.ft.	yes	N/A	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	
j	R2	20,000 sq.ft.	yes	RCA	1/ 20 acres	0.05	40	4,000≤ > 40ac (1,742,400)	N/A			
			-									
;	R22	N/A	yes	N/A	22/acre	20.9	0.125 (5,445sq.ft.)	4000≤ >5,445	N/A	40,000 sf	20.9	
1	R22	N/A	yes	RCA	22/acre	0.05	40	8,000≤ > 40ac (1,742,400)	N/A	40,000 sf	0.05	
1	R22	N/A	no	N/A	22/acre	20.9	0.125 (5,445sq.ft.)	4000≤ >5,445	N/A	40,000 sf	20.9	
_												
3	R5	7,000 sq.ft.	no	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	
)	R5	7,000 sq.ft.	no	LDA	4/acre (174,240 sf)	1.9	1.36 (59,400sq.ft.)	8000≤ > 21,780	21,780≤ > 59,400	.90 (39,560 sf)	2.2	
1	R5	N/A	no	N/A	5/acre (174,240 sf)	3	1.2 (52,272 sf)	8,000≤ >17,424	17,424≤ > 52,272	.8 (34,848 sf)	2.5	
3	R5	7,000 sq.ft.	no	RCA	1/ 20 acres	0.05	40	4,000≤ > 40ac (1,742,400)	N/A			
)	R5	7,000 sq.ft.	yes	IDA	5/acre (217,800 sf)	4.1	.8 (34,848 sf)	4000≤ > 23,232	23,232 ≤ > 34,848	.53 (23,232 sf)	3.75	
)	R5	7,000 sq.ft.	ves	LDA	4/acre (174,240 sf)	1.9	1.36 (59,241sq.ft.)	8000≤ > 21,780	21,780≤ > 59,400	.90 (39,560 sf)	2.2	

Final Result:

Hol	ding Cap	oacity									
Res	idential										
	2008		2010			2012		2015			
		Zoning actually from May 2011									
Vacar	nt										
Zoned	Acreage	Units	Zoned	Acreage	Units	Zoned	Acreage	Units	Zoned	Acreage	Units
R1	2908.70723	1864	R1	2347.681	1998	R1	2167.03	1884	R1	2197.75	2234
R10	139.8256662	938	R10	408.3699	3268	R10	426.0911	3433	R10	357.82	2520
R15	113.7929316	1158	R15	60.84216	696	R15	69.65653	796	R15	79.07	788
R2	1443.229161	2299	R2	1860.359	4319	R2	1795.572	4338	R2	1865.79	4703
			R22	16.44441	337	R22	14.03669	289	R22	9.22	199
R5	1050.42075	3140	R5	946.4385	3170	R5	981.6764	3282	R5	953.88	3709
RA	11807.22613	1482	RA	9335.722	1699	RA	9634.016	1697	RA	8821.90	1621
RLD	2273.068642	441	RLD	1939.163	765	RLD	1947.385	762	RLD	1735.88	775
	19736.27051	11322		16915.02	16252		17035.46	16481		16021.32	16549
Rede	V										
Zoned	Acreage	Units	Zoned	Acreage	Units	Zoned	Acreage	Units	Zoned	Acreage	Units
R1	4562.022562	2242	R1	3167.36	1640	R1	2973.711	1515	R1	2859.91	1363
			R10	61.69224	473	R10	87.15006	698	R10		
			R15	220.3281	2530	R15	228.3004	2624	R15		
R2	2920.202914	2826	R2	2903.792	3605	R2	2829.271	3492	R2	2391.13	2581
			R22	56.98632	1176	R22	96.44822	2001	R22		
R5	2630.763131	6279	R5	1997.373	4936	R5	2012.057	5021	R5	1965.26	4634
RA	13681.42412	395	RA	7087.385	221	RA	7149.089	230	RA	6106.28	173
RLD	1463.059583	163	RLD	1028.999	128	RLD	1127.463	150	RLD	1098.00	141
	25257.47231	11905		16523.92	14709		16503.49	15731		14420.58	8892

Quick App:



Thank you!!!!