



### Analyze

Draw

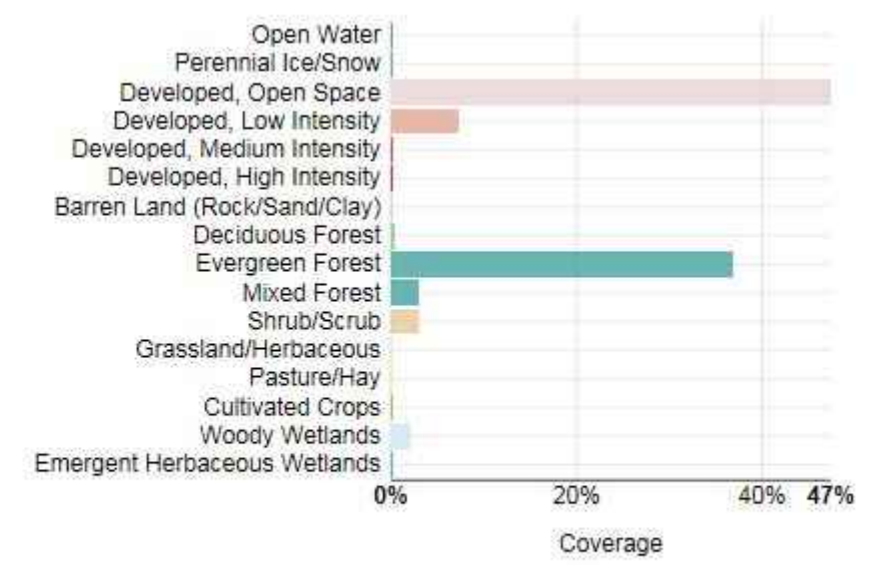
Model

- LAND
- SOIL
- ANIMALS
- POINT SOURCES
- WATER QUALITY

#### Selected Area

Total Area 248,820 m<sup>2</sup>

Land cover distribution from National Land Cover Database (NLCD 2011)

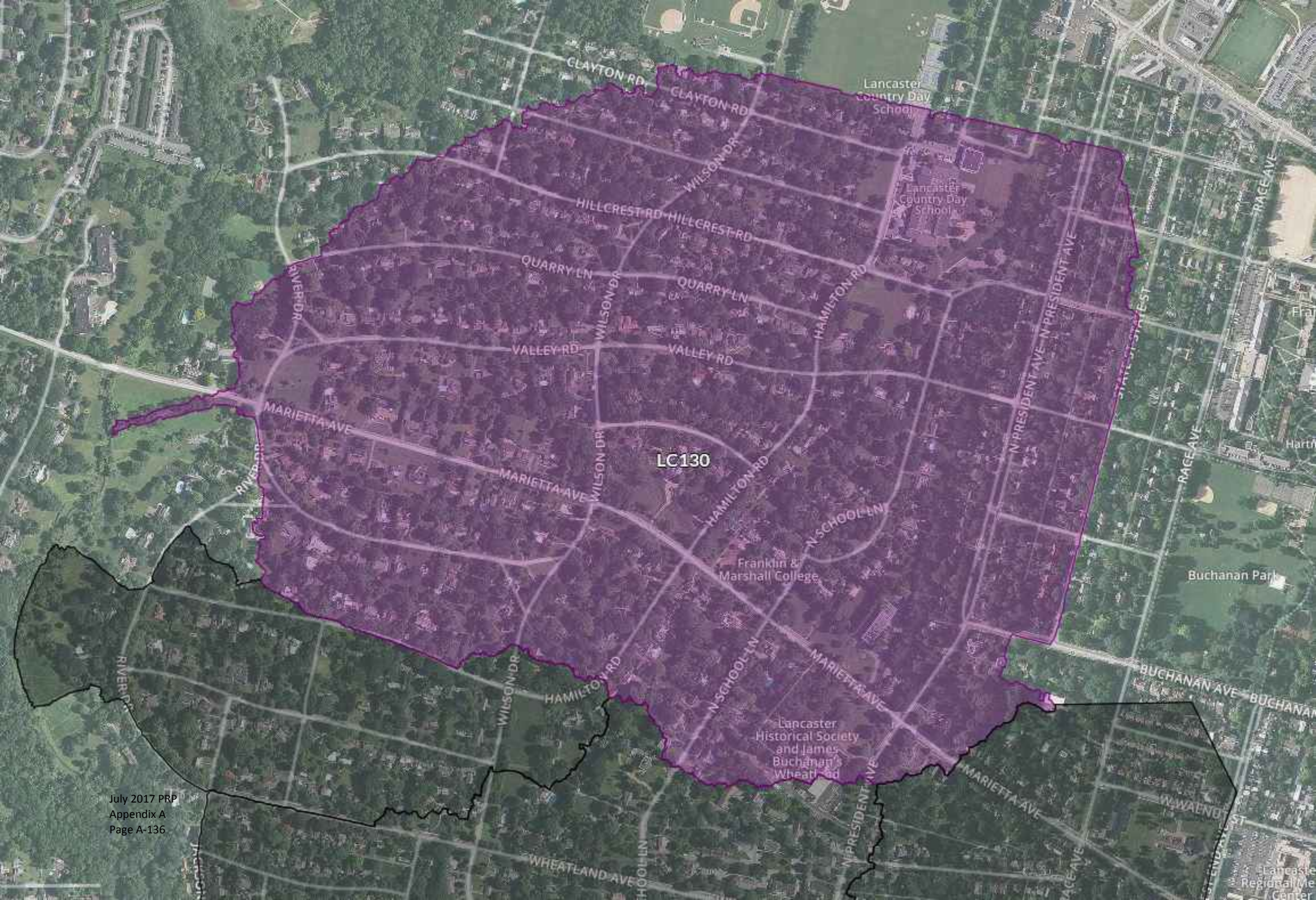


Type	Area (m <sup>2</sup> )	Coverage (%)
Developed, Open Space	115,744.21	47.4
Evergreen Forest	89,724.19	36.8
Developed, Low Intensity	17,944.84	7.4
Mixed Forest	7,177.94	2.9
Shrub/Scrub	7,177.94	2.9
Woody Wetlands	5,383.45	2.2
Deciduous Forest	897.24	0.4
Open Water	0.00	0.0
Perennial Ice/Snow	0.00	0.0



				Impervious developed (lbs/acre/yr)		Pervious developed (lbs/acre/yr)				
22,000	TSS (Sediment) in pounds per year			1480.43		190.93				
-	TP (Phosphorus) in pounds per year			1.55		0.36				
1,500	TN (Nitrogen) in pounds per year			38.53		22.24				
USE			PARSE OUT			TOTAL FROM BELOW				
8	Impervious developed		0	Impervious developed		8	Impervious developed			
53	Pervious developed		0	Pervious developed		53	Pervious developed			
	Total	Developed, Open Space	Evergreen Forest	Developed, Low Intensity	Deciduous Forest	Shrub/Scrub	Mixed Forest	Developed, Medium Intensity	Woody Wetlands	Developed, High Intensity
square meters	244,049	115,744	89,724	17,945	897	7,178	7,178	0	5,383	0
acres	59	29	22	4	0	2	2	0	1	0
% Impervious		19%		49%				79%		100%
Impervious Area (acres)	8	5	0	2	0	0	0	0	0	0
Pervious Area (acres)	53	23	22	2	0	2	2	0	1	0
Parsed Impervious Area (acres)	Parsed Pervious Area (acres)									
0	0	Total (acres)								





LC130

Lancaster Country Day School

Lancaster Country Day School

Franklin & Marshall College

Lancaster Historical Society and James Buchanan's Wheatfield

Buchanan Park

Lancaster Regional Me Center





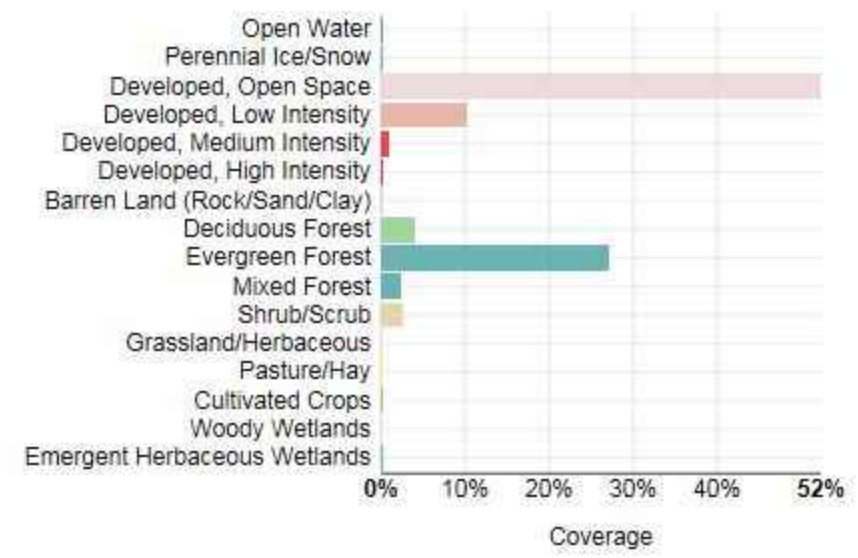
### Analyze

Draw **Model**

LAND SOIL ANIMALS POINT SOURCES WATER QUALITY

**Selected Area**  
Total Area 1 km<sup>2</sup>

Land cover distribution from National Land Cover Database (NLCD 2011)



Type	Area (m <sup>2</sup> )	Coverage (%)
Developed, Open Space	555,392.55	52.4
Evergreen Forest	288,014.55	27.2
Developed, Low Intensity	109,463.48	10.3
Deciduous Forest	43,067.60	4.1
Shrub/Scrub	28,711.73	2.7
Mixed Forest	25,122.76	2.4
Developed, Medium Intensity	10,766.90	1.0
Open Water	0.00	0.0
Perennial Ice/Snow	0.00	0.0
Developed, High Intensity	0.00	0.0
Barren Land (Rock/Sand/Clay)	0.00	0.0



				Impervious developed (lbs/acre/yr)		Pervious developed (lbs/acre/yr)		
83,600	TSS (Sediment) in pounds per year			1480.43		190.93		
100	TP (Phosphorus) in pounds per year			1.55		0.36		
6,000	TN (Nitrogen) in pounds per year			38.53		22.24		
USE		PARSE OUT			TOTAL FROM BELOW			
28	Impervious developed	13	Impervious developed	41	Impervious developed			
221	Pervious developed	0	Pervious developed	221	Pervious developed			
	Total	Developed, Open Space	Evergreen Forest	Developed, Low Intensity	Deciduous Forest	Shrub/Scrub	Mixed Forest	Developed, Medium Intensity
square meters	1,060,539	555,393	288,015	109,463	43,067	28,712	25,123	10,767
acres	262	137	71	27	11	7	6	3
% Impervious		19%		49%				79%
Impervious Area (acres)	41	26	0	13	0	0	0	2
Pervious Area (acres)	221	111	71	14	11	7	6	1
Parsed Impervious Area (acres)	Parsed Pervious Area (acres)							
13	0	Total (acres)						
8	0	Marietta Avenue (SR 0023)						
5	0	Lancaster Country Day School (NPDES permit # PAG02003616029)						

Pollutant Loading Tributary to "Unnamed Tributary" to Conestoga River (by MS3)

Pollutant loading (pounds per year)			
MS3	TSS	TP	TN
UT030	1,900	-	200
	<b>1,900</b>	<b>-</b>	<b>200</b>



UT030





## Analyze

Back

Model ▾

LAND

SOIL

ANIMALS

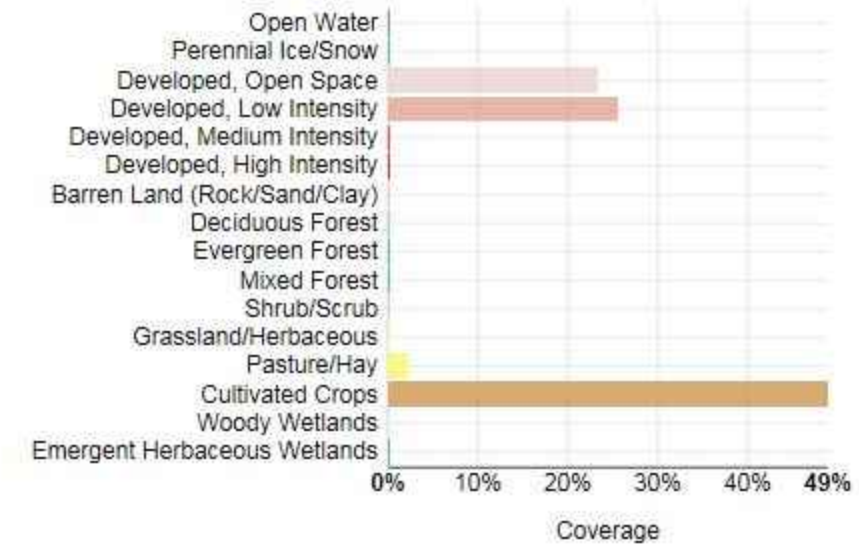
POINT SOURCES

WATER QUALITY

### Selected Area

**Total Area 42,879 m<sup>2</sup>**

Land cover distribution from National Land Cover Database (NLCD 2011)



Type	Area (m <sup>2</sup> )	Coverage (%)
Cultivated Crops	20,636.68	48.9
Developed, Low Intensity	10,766.96	25.5
Developed, Open Space	9,869.72	23.4
Pasture/Hay	897.25	2.1
Open Water	0.00	0.0
Perennial Ice/Snow	0.00	0.0
Developed, Medium Intensity	0.00	0.0
Developed, High Intensity	0.00	0.0
Barren Land (Rock/Sand/Clay)	0.00	0.0
Deciduous Forest	0.00	0.0



UT Pollutant loading by MS3

				Impervious developed (lbs/acre/yr)		Pervious developed (lbs/acre/yr)					
1,900	TSS (Sediment) in pounds per year			1480.43		190.93					
-	TP (Phosphorus) in pounds per year			1.55		0.36					
200	TN (Nitrogen) in pounds per year			38.53		22.24					
USE		PARSE OUT			TOTAL FROM BELOW						
0	Impervious developed	0	Impervious developed	2	Impervious developed						
10	Pervious developed	2	Pervious developed	9	Pervious developed						
	Total	Developed, Open Space	Evergreen Forest	Developed, Low Intensity	Deciduous Forest	Shrub/Scrub	Mixed Forest	Developed, Medium Intensity	Cultivated Crops	Developed, High Intensity	Pasture/Hay
square meters	42,171	9,870	0	10,767	0	0	0	0	20,637	0	897
acres	10	2	0	3	0	0	0	0	5	0	0
% Impervious		19%		49%				79%		100%	
Impervious Area (acres)	2	0	0	1	0	0	0	0	0	0	0
Pervious Area (acres)	9	2	0	1	0	0	0	0	5	0	0
	Need jpeg of CS Datum MS3 shape										
	Need jpeg of Wiki Watershed MS3 shape & land uses										
Parsed Impervious Area (acres)	Parsed Pervious Area (acres)										
0	2	Total (acres)									
0	2	Crossway Church - NPDES									