Characteristics of the Polecat Creek Watershed

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Polecat Creek sands
at Hwy 48, 3-21-18

Acronyms

BMP – Best Management Practice
CPP – Continuing Planning Process
GIS – Geographic Information System
INCOG – Indian Nations Council of Governments
MAWPR – Middle Arkansas Watershed Planning Region
OCWP – Oklahoma Comprehensive Water Plan
ODEQ – Oklahoma Department of Environmental Quality
OWRB – Oklahoma Water Resources Board
PBCR – Primary Body Contact Recreation
PWA – Public Works Authority
SCAP – Site Cleanup Assistance Program
TMDL – Total Maximum Daily Load
USACE – United States Army Corps of Engineers
WBID – Waterbody Identification Number
WQS – Water Quality Standard
WTP – Water Treatment Plant
WWAC – Warm Water Aquatic Community

Introduction

This report provides information obtained through numerous sources regarding the physical characteristics of the Polecat Creek watershed. Maps, data tables and photos are used along with text to help watershed managers gain more insight into watershed activities that can have an impact on water quality. Polecat Creek is an impaired waterbody and not meeting water quality criteria established by the State of Oklahoma for all assigned beneficial uses. By better understanding the population and activities along with the features within a watershed it becomes easier to select and place best management practices (BMPs) designed to reduce the pollutant load causing the impairment.

The Polecat Creek watershed along with the Haikey Creek, Coal Creek and Ranch Creek watersheds made up the study area for this report. Each watershed is listed separately, but combined; they make up the whole study.

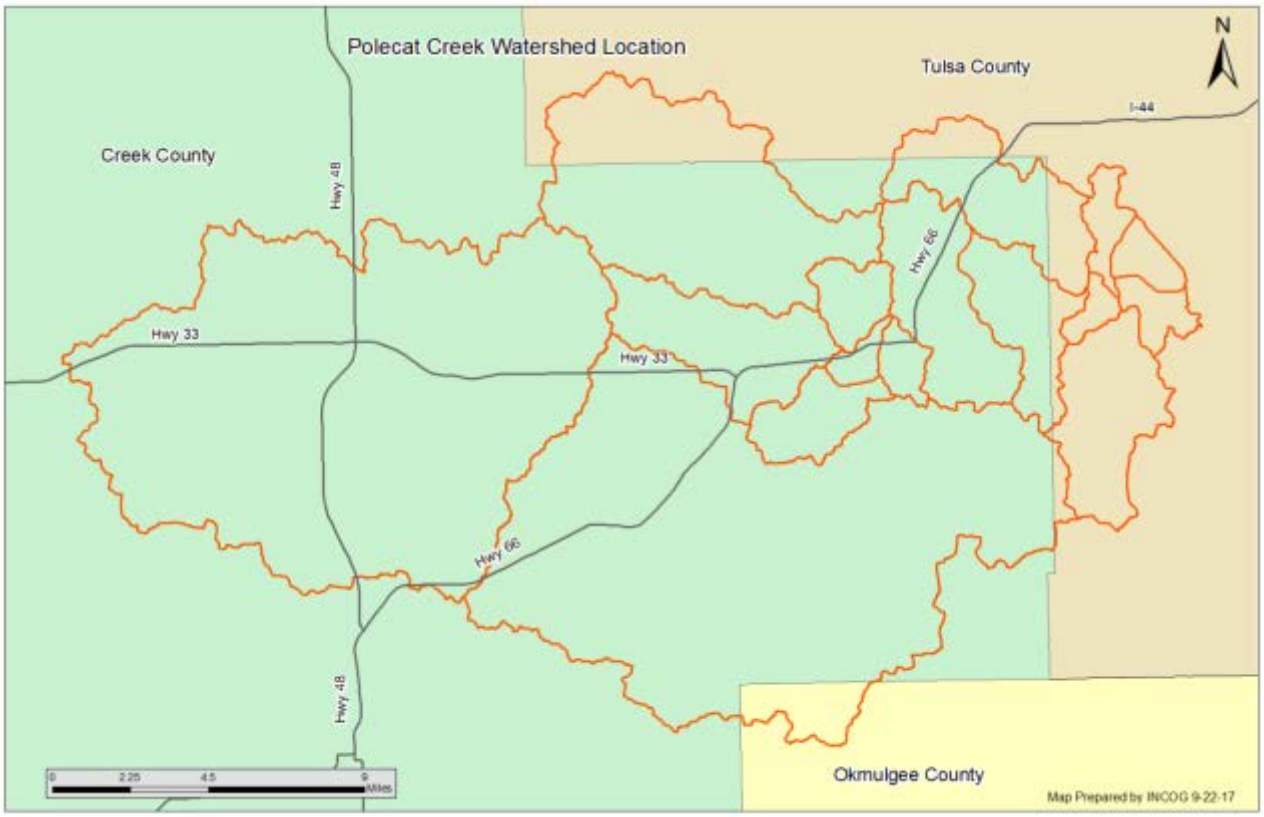
Physical Description and Location

Polecat Creek is 65.19 miles long and divided into four reaches. The lowest reach is 7.16 miles and extends from the Arkansas River Nickel to Creek (WBID OK120420020010_00). The second reach (OK120420020050_00) is 7.68 miles. The third reach (OK120420020050_10) is 29.83 miles. The fourth and final reach (OK120420020290_00) is 20.52 miles. Most of the Polecat Creek watershed lies within Creek County with a few fringe areas in Tulsa County and a small corner of the watershed in Okmulgee County.

The watershed is 370.1 square miles. 322.2 square miles are in Creek County (87%), 43.4 square miles in Tulsa County (12%) and 4.8 square miles in Okmulgee County (1%). The entire watershed is drained by 237 miles of rivers, streams and creeks. See Map 1: Polecat Creek Location. This map also shows the counties and sub-basins.

The implementation of stormwater collection systems has changed the shape of some watersheds in developed areas. Runoff does not always flow downhill to the closest receiving stream. It may get intercepted by a stormwater collection system inlet and piped somewhere else. Therefore caution should be exercised when determining watershed boundaries in developed area with just topo maps. It helps to have a stormwater collection system map.

Map 1: Polecat Creek Location



Polecat Creek watershed is such a large and diverse watershed it is divided into 16 sub-basins with each sub-basin generally designated by the major receiving water. Some portions of the

watershed are lightly developed rural and agricultural lands while other portions are densely developed urban areas. Managing the entire watershed will require different approaches in the different sub-basins. See Map 2: Polecat Creek Watershed Sub-Basins. Table 1: Polecat Creek Watershed Sub-Basins shows basin identification (ID), the major receiving water and the sub-basin area.

Polecat Creek near Hwy 117, 3-21-18

Map 2: Polecat Creek Watershed Sub-Basins

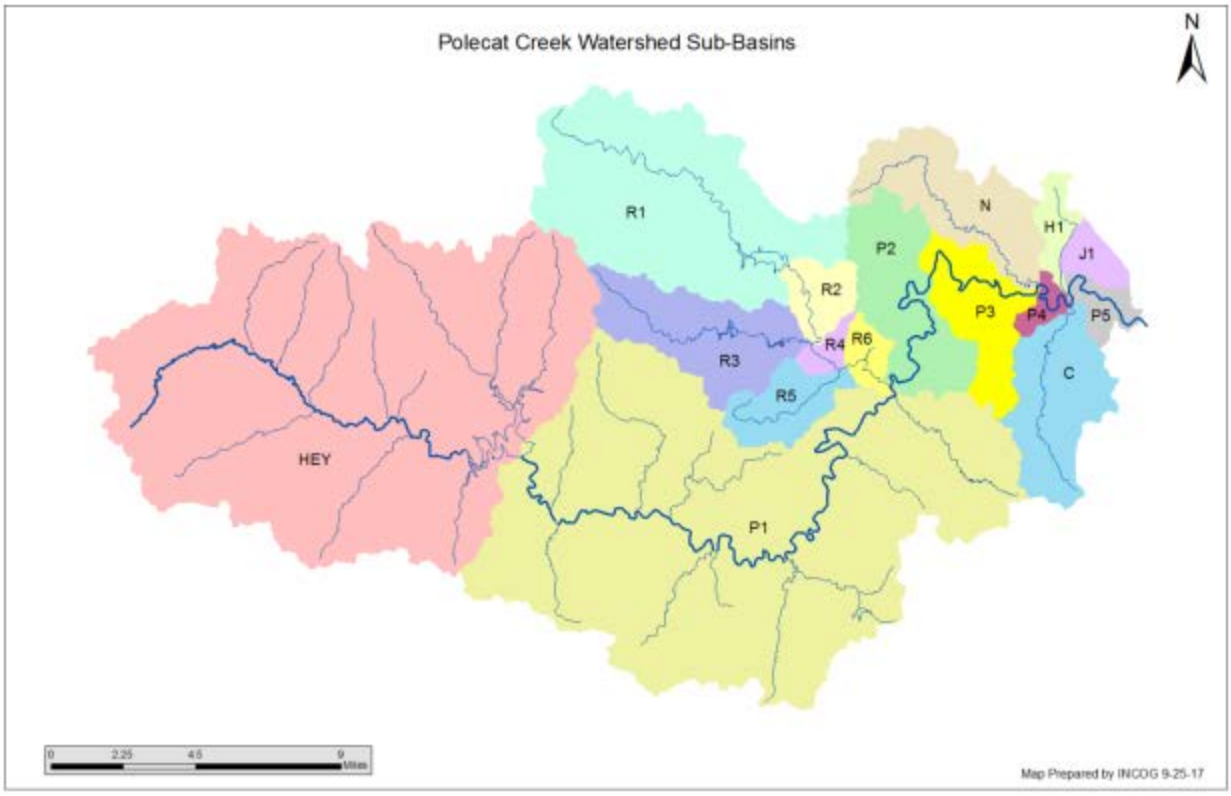


Table 1: Polecat Creek Watershed Sub-Basins		
Sub-Basin ID	Major Receiving Water	Area (Square Miles)
HEY	Heyburn Lake	119.6
P1	Polecat Creek	117.8
R1	Rock Creek	39.9
R3	Euchee Creek	15.0
P2	Polecat Creek	14.7
N	Nickel Creek	14.3
C	Coal Creek	13.6
P3	Polecat Creek	10.0
R5	Biven Creek	6.5
R2	Rock Creek	4.4
H1	Hager Creek	2.9
P5	Polecat Creek	2.9
J1	Hager Creek	2.7
R6	Rock Creek	2.5
P4	Polecat Creek	1.7
R4	Rock Creek	1.7

Polecat Creek has about 23 tributaries with numerous branches on the tributaries. Combined they drain about 370 square miles. Map 3: Polecat Creek Watershed Major Rivers and Lakes shows waterbody locations and names within the watershed. Table 2: Polecat Creek Watershed Streams and WBIDs shows the Oklahoma waterbody identification, name and length of streams and area of lakes within the watershed

Polecat Creek at Hwy 48, 3-21-18

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Map 3: Polecat Creek Watershed Major Rivers and Lakes

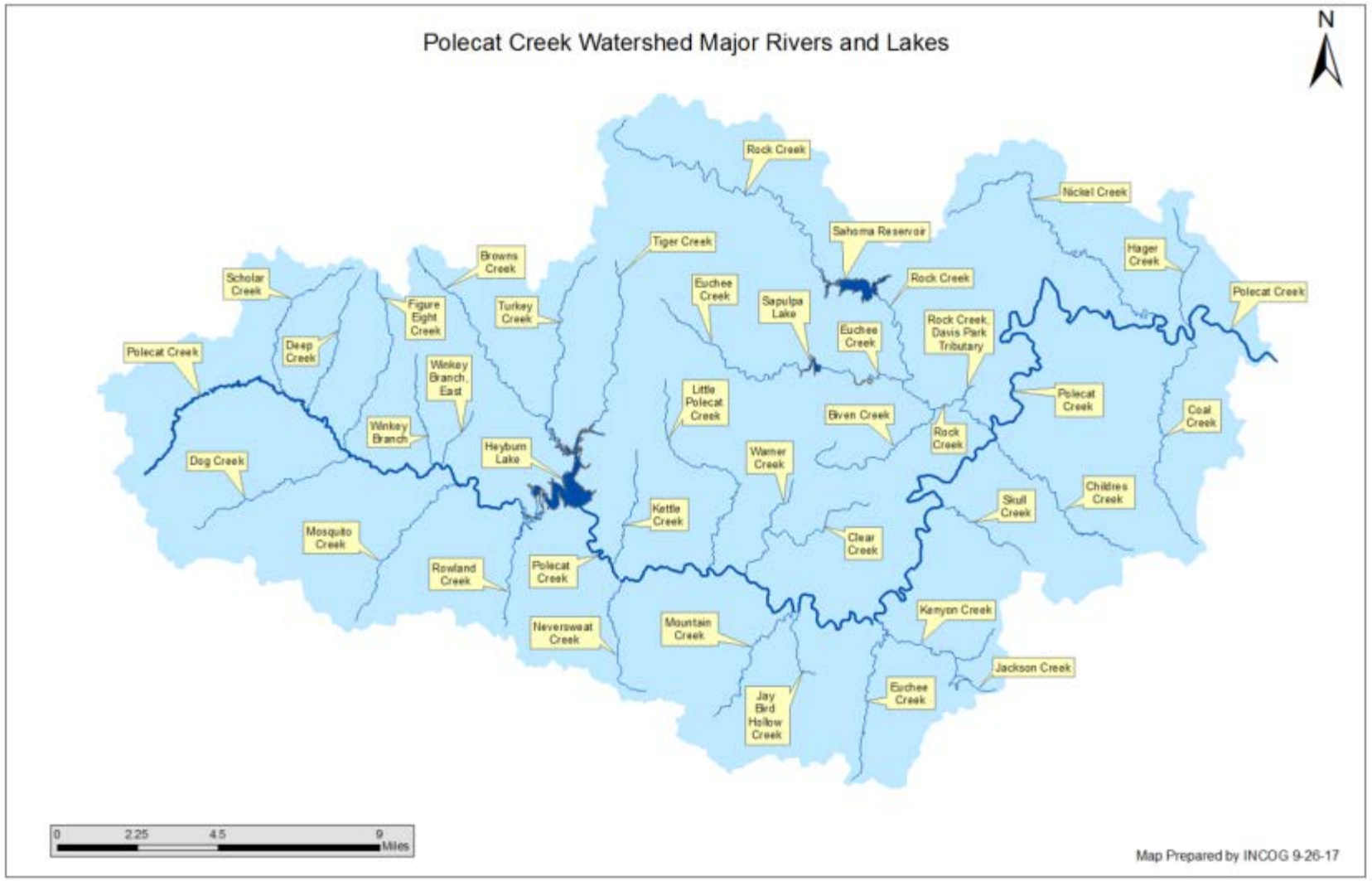
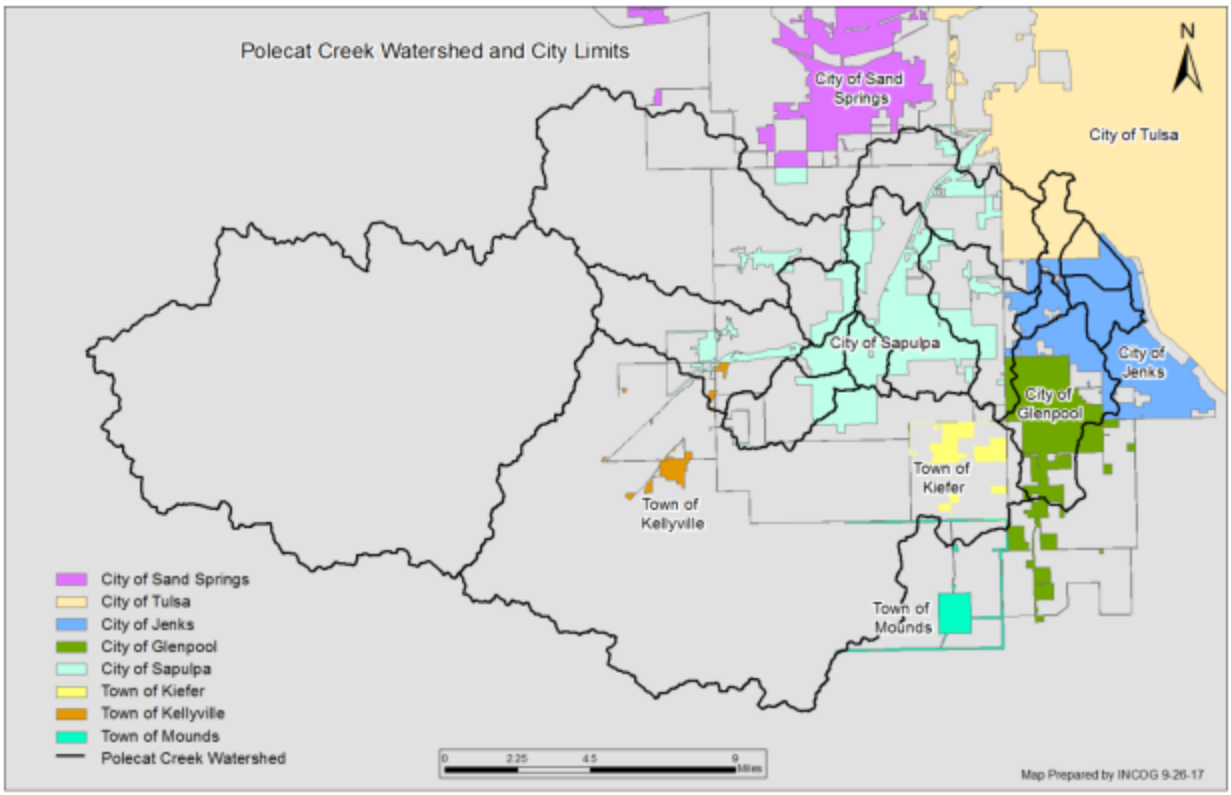


Table 2: Polecat Creek Watershed Streams and WBIDs			
DEQ/OWRB Waterbody Identification (WBID)	Impaired (On 2014 List)	DEQ/OWRB Waterbody Name	Length (Miles) Area (Acres)
OK120420020010_00	No	Polecat Creek	7.16
OK120420020050_00	Yes	Polecat Creek	7.68
OK120420020050_10	No	Polecat Creek	29.83
OK120420020290_00	No	Polecat Creek	20.52
OK120420020020_00	No	Hager Creek	4.04
OK120420020030_00	No	Coal Creek	2.58
OK120420020030_10	No	Coal Creek	5.51
OK120420020040_00	Yes	Nickel Creek	12.29
OK120420020160_00	Yes	Childres Creek	6.99
OK120420020060_00	Yes	Rock Creek	4.05
OK120420020120_00	No	Rock Creek	15.03
OK120420020130_00	Yes	Sahoma Lake	278
OK120420020065_00	No	Rock Creek, Davis Park Tributary	0.59
OK120420020070_00	No	Biven Creek	5.74
OK120420020080_00	No	Euchee Creek	1.41
OK120420020100_00	No	Euchee Creek	7.68
OK120420020110_00	No	Sapulpa Lake	52
OK120420020140_00	No	Pretty Water Creek	1.84
OK120420020170_00	No	Skull Creek	3.74
OK120420020180_00	No	Euchee Creek	6.45
OK120420020190_00	No	Kenyon Creek	4.31
OK120420020200_00	No	Jackson Creek	1.38
OK120420020210_00	No	Lake Jackson	42
OK120420020220_00	No	Jay Bird Hollow Creek	2.38
OK120420020230_00	No	Mountain Creek	5.42
OK120420020240_00	No	Clear Creek	6.38
OK120420020250_00	No	Warner Creek	1.97
OK120420020260_00	No	Little Polecat Creek	8.24
OK120420020270_00	No	Neversweat Creek	4.39
OK120420020280_00	No	Kettle Creek	3.8
OK120420020300_00	Yes	Heyburn Lake	657
OK120420020320_00	No	Tiger Creek	5.64
OK120420020330_00	No	Turkey Creek	5.86
OK120420020310_00	No	Browns Creek	7.4
OK120420020340_00	No	Rowland Creek	2.79
OK120420020350_00	No	Mosquito Creek	5.92
OK120420020360_00	No	Winkey Branch, East	1.94
OK120420020370_00	No	Winkey Branch	3.61
OK120420020380_00	No	Dog Creek	5.75
OK120420020390_00	No	Figure Eight Creek	6.16
OK120420020400_00	No	Deep Creek	4.66
OK120420020410_00	No	Scholar Creek	5.55

Heyburn Lake was built in 1950 and is owned and operated by the United States Army Corps of Engineers (USACE). The primary purposes are flood control, water supply, recreation and fish and wildlife propagation. Permitted withdrawals amount to 2,085 acre feet per year and this lake is fully allocated to Creek County Rural Water District #1, so there is no remaining water supply yield available. Sahoma Lake was built in 1947 and is owned and operated by the City of Sapulpa. The primary purposes are water supply and recreation. Permitted withdrawals amount to 4,800 acre feet per year. (OCWP)

The cities of Tulsa, Jenks, Glenpool and Sapulpa and the towns of Kiefer and Kellyville have significant portions of their city limits within or intersecting this watershed. The City of Sand Springs to the north and the Town of Mounds to the south have corporate limits extending into the watershed and therefore someday may have city limits extending into the Polecat Creek watershed. See Map 4: Polecat Creek Watershed and City Limits.

Map 4: Polecat Creek Watershed and City Limits



Watershed Demographics

To manage a watershed you have to manage the people within the watershed. Any changes that occur within the watershed will be made through the actions of the people living, working or spending time there so it is advisable to understand the population demographics. The following tables show the current demographics according to the 2000 and 2010 census results and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates. Data from the United States Census Bureau were used for these demographics.

Some comments are offered following some of the tables to help get individuals thinking about how demographic information can be used to help develop watershed plans and what actions could be implemented to improve watershed conditions. Detailed studies of the data will reveal opportunities that are sometimes overlooked.

Information for the entire Polecat Creek watershed is shown below. Because this watershed is so big it has been divided into 16 sub-basins and the demographics for each of these sub-basins is shown in Appendix A.

Polecat Creek Watershed

The following tables show the current demographics for the Polecat Creek watershed and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 3: Population Demographics

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	61,675		71,195		77,858		82,178		15.4%	5.5%
Population Density	166.63		203.39		210.36		222.03		22.1%	5.5%
Total Households	22,522		26,299		28,729		30,699		16.8%	6.9%
Population by Gender:										
Male	30,247	49.0%	35,077	49.3%	38,305	49.2%	40,574	49.4%	16.0%	5.9%
Female	31,428	51.0%	36,118	50.7%	39,553	50.8%	41,605	50.6%	14.9%	5.2%

The total population within this sub-basin increased 15.4% from 2000 to 2010 and is expected to increase another 5.5% from 2017 to 2022. The population density increased by 22.1% from 2000 to 2010, and is expected to increase by 5.5% from 2017 to 2022. Overall the population is growing steadily within this watershed.

Table 4: Population by Race										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	50,505	81.9%	56,063	78.7%	60,171	77.3%	62,198	75.7%	11.0%	3.4%
Black	1,668	2.7%	1,686	2.4%	1,996	2.6%	2,169	2.6%	1.1%	8.6%
American Indian or Alaska Native	5,220	8.5%	7,041	9.9%	7,731	9.9%	8,225	10.0%	34.9%	6.4%
Asian/Native Hawaiian/Other Pacific	131	0.2%	732	1.0%	1,112	1.4%	1,328	1.6%	460.2%	19.4%
Some Other Race	633	1.0%	1,095	1.5%	1,478	1.9%	1,768	2.2%	72.8%	19.6%
Two or More Races	3,518	5.7%	4,578	6.4%	5,370	6.9%	6,491	7.9%	30.1%	20.9%

Table 5: Population by Ethnicity										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	1,606	2.6%	2,953	4.1%	3,959	5.1%	4,723	5.8%	83.9%	19.3%
Not Hispanic or Latino	60,069	97.4%	68,243	95.9%	73,899	94.9%	77,456	94.3%	13.6%	4.8%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 6: Population by Age										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	4,242	6.9%	4,845	6.8%	5,358	6.9%	5,562	6.8%	14.2%	3.8%
5 to 14	10,044	16.3%	10,583	14.9%	11,339	14.6%	11,478	14.0%	5.4%	1.2%
15 to 19	4,891	7.9%	4,899	6.9%	5,183	6.7%	5,546	6.7%	0.2%	7.0%
20 to 24	3,084	5.0%	3,776	5.3%	4,383	5.6%	4,780	5.8%	22.4%	9.1%
25 to 34	7,944	12.9%	9,193	12.9%	9,979	12.8%	10,287	12.5%	15.7%	3.1%
35 to 44	10,193	16.5%	9,606	13.5%	10,277	13.2%	10,996	13.4%	-5.8%	7.0%
45 to 54	8,740	14.2%	10,674	15.0%	10,290	13.2%	9,841	12.0%	22.1%	-4.4%
55 to 64	5,721	9.3%	8,623	12.1%	9,777	12.6%	10,150	12.4%	50.7%	3.8%
65 to 74	3,883	6.3%	5,215	7.3%	6,757	8.7%	8,139	9.9%	34.3%	20.4%
75 to 84	2,254	3.7%	2,764	3.9%	3,221	4.1%	4,063	4.9%	22.6%	26.1%
85+	678	1.1%	1,018	1.4%	1,295	1.7%	1,336	1.6%	50.2%	3.2%
Median Age:										
Total Population	35.7		37.4		37.6		38.1			

The median age within this sub-watershed is increasing. From 2000 to 2010 the most notable change is the big jump in the 55 to 64 and 85+ year age brackets. The 65 to 74 and 75 to 84 year age brackets are expected increase by the highest percentage from 2017 to 2022.

Table 7: Households by Income										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	3,603	16.0%	2,714	10.3%	2,668	9.3%	2,265	7.4	-24.7%	-15.1%
$15,000 - $24,999	2,945	13.1%	2,919	11.1%	2,842	9.9%	2,568	8.4	-0.9%	-9.6%
$25,000 - $34,999	3,714	16.5%	3,198	12.2%	2,856	9.9%	2,586	8.4	-13.9%	-9.5%
$35,000 - $49,999	4,178	18.6%	4,067	15.5%	4,134	14.4%	3,838	12.5	-2.7%	-7.2%
$50,000 - $74,999	4,422	19.6%	5,619	21.4%	6,302	21.9%	6,626	21.6	27.1%	5.1%
$75,000 - $99,999	2,181	9.7%	3,736	14.2%	4,173	14.5%	4,935	16.1	71.2%	18.2%
$100,000 - $149,999	972	4.3%	2,715	10.3%	3,568	12.4%	4,887	15.9	179.3%	37.0%
$150,000 +	512	2.3%	1,331	5.1%	2,186	7.6%	2,993	9.8	160.0%	36.9%
Average Hhld Income	$48,159		$66,784		$73,879		$84,476		38.7%	14.3%
Median Hhld Income	$37,881		$51,025		$57,085		$65,822		34.7%	15.3%
Per Capita Income	$17,587		$24,827		$27,406		$31,696		41.2%	15.7%

Hhld = Household

Average household income, median household income and per capita income have steadily increased throughout the watershed.

Table 8: Employment										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	46,341		54,738		60,043		63,949		18.1%	16.8%
Total Labor Force	30,104	65.0%	35,770	65.3%	37,147	61.9%	39,338	61.5%	18.8%	5.9%
Civilian, Employed	28,876	95.9%	33,317	93.1%	35,511	95.6%	37,933	96.4%	15.4%	6.8%
Civilian, Unemployed	1,187	3.9%	2,435	6.8%	1,619	4.4%	1,386	3.5%	105.1%	-14.4%
In Armed Forces	41	0.1%	18	0.1%	17	0.1%	18	0.1%	-56.0%	5.9%
Not In Labor Force	16,237	35.0%	18,968	34.7%	22,896	38.1%	24,612	38.5%	16.8%	7.5%
% Blue Collar	12,048	41.7%	12,900	38.7%	13,728	38.7%	14,416	40.6%	7.1%	5.0%
% White Collar	16,853	58.3%	20,418	61.3%	21,783	61.3%	23,517	66.2%	21.1%	8.0%

Table 9: Housing Units										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	24,284		28,787		31,231		33,428		18.5%	7.0%
Total Occupied Housing Units	n/a	n/a	26,299	91.4%	28,729	92.0%	30,699	91.8%	n/a	6.9%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	13,945	53.0%	14,543	50.6%	15,695	51.1%	n/a	7.9%
Owner Occupied: Owned free and clear	n/a	n/a	6,480	24.6%	7,359	25.6%	7,785	25.4%	n/a	5.8%
Renter Occupied	n/a	n/a	5,874	22.3%	6,827	23.8%	7,219	23.5%	n/a	5.8%
Vacant	1,762	7.3%	2,488	8.6%	2,502	8.0%	2,729	8.2%	41.3%	9.1%

Total housing units increased 18.5% from 2000 to 2010 and are expected to increase another 7.0% through 2022 so residential development and residential construction related runoff pollutants are likely to increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 10: Vehicles Available										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	1,130	5.0%	1,049	4.0%	1,122	3.9%	1,153	3.8%	-7.2%	2.8%
1 Vehicle Available	6,341	28.2%	7,238	27.5%	8,014	27.9%	8,452	27.5%	14.1%	5.5%
2+ Vehicles Available	15,051	66.8%	18,012	68.5%	19,593	68.2%	21,094	68.7%	19.7%	7.7%
Average Vehicles Per Household	1.80		2.12		2.09		2.09		18.5%	0.2%

The average number of vehicles per household increased by 18.5% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 11: Marital Status										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	28,655	60.5%	30,362	54.4%	33,040	54.0%	35,066	53.8%	6.0%	6.1%
Married, Spouse Absent	1,514	3.2%	2,071	3.7%	2,078	3.4%	2,219	3.4%	36.8%	6.8%
Divorced	5,478	11.6%	7,227	13.0%	7,590	12.4%	8,048	12.4%	31.9%	6.0%
Widowed	2,899	6.1%	4,084	7.3%	4,185	6.8%	4,453	6.8%	40.9%	6.4%
Never Married	8,868	18.7%	12,022	21.6%	14,269	23.3%	15,352	23.6%	35.6%	7.6%
Age 15+ Population	47,389		55,766		61,162		65,138		17.7%	6.5%

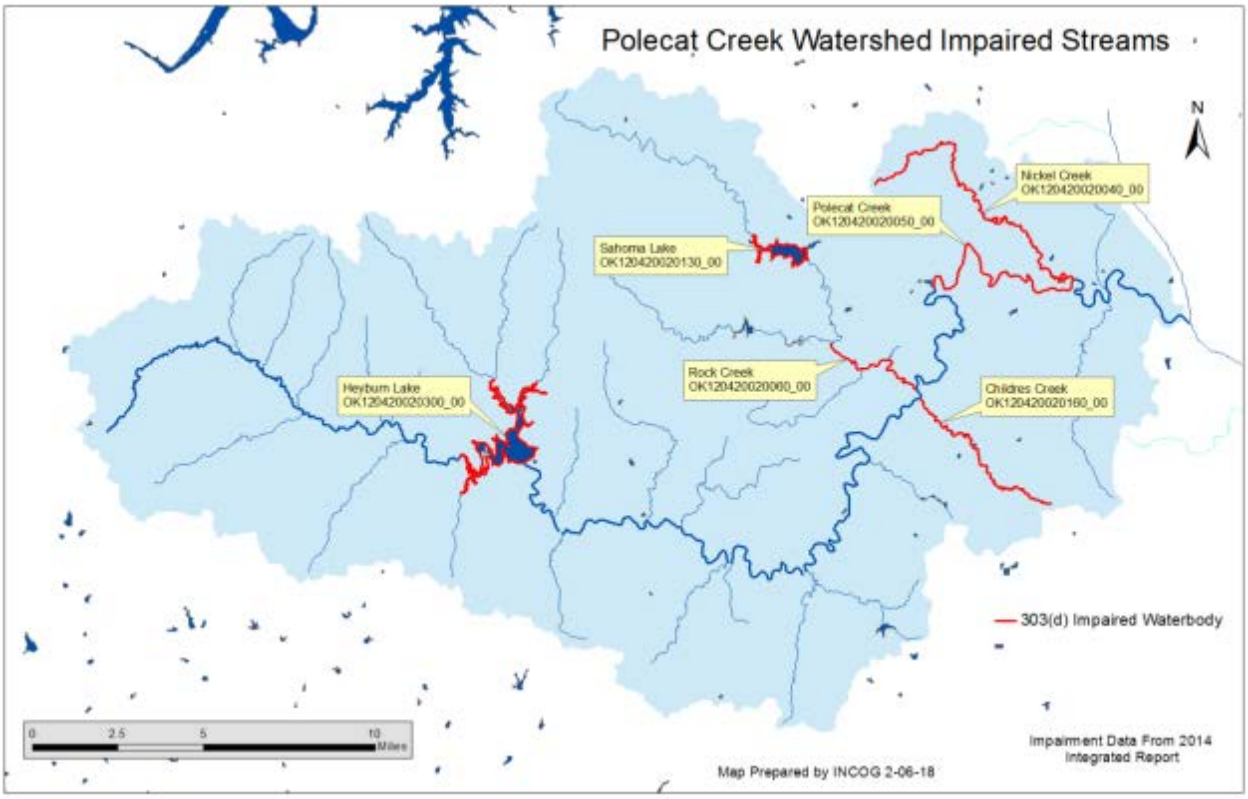
Table 12: Educational Attainment										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	2,016	5.1%	1,156	2.5%	1,125	2.2%	1,151	2.1%	-42.6%	2.3%
Grade 9 - 11	5,289	13.4%	4,657	9.9%	4,578	8.9%	4,687	8.6%	-12.0%	2.4%
High School Graduate	14,274	36.2%	16,163	34.3%	17,330	33.6%	18,167	33.1%	13.2%	4.8%
Some College, No Degree	8,838	22.4%	10,751	22.8%	11,944	23.1%	12,661	23.1%	21.6%	6.0%
Associates Degree	2,575	6.5%	4,302	9.1%	4,576	8.9%	4,918	9.0%	67.0%	7.5%
Bachelor's Degree	4,240	10.8%	7,251	15.4%	8,513	16.5%	9,345	17.1%	71.0%	9.8%
Graduate Degree	1,954	5.0%	2,411	5.1%	3,107	6.0%	3,460	6.3%	23.4%	11.4%
No Schooling Completed	230	0.6%	401	0.9%	423	0.8%	422	0.8%	74.5%	-0.2%
Age 25+ Population	39,416		47,092		51,596		54,812		19.5%	6.2%

Impaired Waters

The Oklahoma Conservation Commission monitors some wadeable streams and reports their findings in their Small Watershed Rotating Basin Monitoring Program reports. Polecat Creek, reaches OK120420020010_00 and OK120420020050_00, have been monitored as a part of their Rotating Basin Monitoring Program, Group 3. Data for these two reaches of Polecat Creek can be found in the reports from September 2006, June 2011 and March 2017. There are five groups and each year monitoring begins in one basin, where streams are monitored for two years. Non-wadeable streams and lakes are monitored by the Oklahoma Water Resources Board.

Every two years the State of Oklahoma evaluates its waterbodies to determine which ones are not meeting minimum water quality standards and beneficial use criteria. The currently approved report is "Water Quality In Oklahoma, 2014 Integrated Report". The 2016 Integrated Report is still in draft form and currently shows the same six bodies of water as impaired as the 2014 Report. In the 2014 Integrated Report, Nickel Creek, Childres Creek, Rock Creek and a portion of Polecat Creek are listed as impaired for a total of 31.01 miles out of a total of 237 miles in the watershed, or 13 percent of the river miles. The two largest lakes, Sahoma and Heyburn, are also listed as impaired for a total of 935 acres. The next largest lake, and not listed as impaired, is Sapulpa Lake which is 52 acres. Map: shows the impaired waterbodies listed in the 2014 Integrated Report.

Map 5: Polecat Creek Watershed Impaired Streams



Impairment listings for 2012 are listed in Table 13 and for 2014 the listings are in Table 14.

Table 13: 2012 Oklahoma Integrated Report

Waterbody	Category	Aesthetic	Agriculture	Habitat Limited Aquatic Community	Warm Water Aquatic Community (WWAC)	Fish Consumption	Primary Body Contact Recreation (PBCR)	Secondary Body Contact Recreation (SBCR)	Public & Private Water Supply	Sensitive Water Supply
Nickel Creek	5a	I	X	---	I	X	N	---	---	---
Childres Creek	5c	I	N	X	---	X	---	X	---	---
Rock Creek	3	I	X	---	I	X	X	---	X	---
Polecat Creek	4a	I	F	---	F	X	N	---	---	---
Sahoma Lake	5a	N	F	---	N	X	F	---	F	●
Heyburn Lake	5a	N	F	---	N	N	F	---	F	●

F=Fully Supporting I=Insufficient Information N=Not Supporting X=Not Assessed

Table 14: 2014 Oklahoma Integrated Report

Waterbody	Category	Aesthetic	Agriculture	Habitat Limited Aquatic Community	Warm Water Aquatic Community (WWAC)	Fish Consumption	Primary Body Contact Recreation (PBCR)	Secondary Body Contact Recreation (SBCR)	Public & Private Water Supply	Sensitive Water Supply
Nickel Creek	5a	I	X	---	F	X	N	---	---	---
Childres Creek	5b	I	N	X	---	X	---	X	---	---
Rock Creek	5c	X	X	---	N	X	X	---	---	---
Polecat Creek	5c	I	F	---	N	X	N	---	---	---
Sahoma Lake	5a	F	F	---	N	F	F	---	F	●
Heyburn Lake	5a	F	F	---	N	N	F	---	I	●

F=Fully Supporting I=Insufficient Information N=Not Supporting X=Not Assessed

Total dissolved solids was delisted for Childres Creek in 2012 because of an error in the original listing. Not enough samples were collected to make the listing assessment determination and only one of four samples exceeded the criterion. Childres Creek was a Category 5c creek in 2012 meaning additional data and information needed to be collected before a TMDL could be scheduled. It was categorized as a 5b creek in 2014 meaning a review of the Water Quality Standards will be conducted before a TMDL is scheduled.

Rock Creek was not listed as impaired in the 2012 Integrated Report and considered a Category 3 creek meaning there was insufficient or no data and information to determine if any designated use was attained. In 2014 it was listed as not meeting the Warm Water Beneficial Use and categorized as a 5c creek meaning additional data and information will need to be collected before a TMDL or review of the Water Quality Standards is scheduled.

TMDL number 42568 titled Bacterial And Turbidity Total Maximum Daily Loads For The Arkansas-Verdigris River Study Area, Oklahoma (OK120400, OK120410, OK120420, OK121500, OK121600) was prepared by the Oklahoma Department of Environmental Quality and dated September 2012 for the Enterococcus impairment on Polecat Creek. In 2012 Polecat Creek was a Category 4a creek meaning a TMDL has been completed. In 2014 it was a Category 5c creek meaning additional data and information will need to be collected before a TMDL or review of the Water Quality Standards is scheduled because it was newly listed as not meeting the Warm Water Aquatic Community beneficial us.

The color impairment for Sahoma Lake was a new listing in 2012 which led to the aesthetic impaired use. The color impairment for Sahoma Lake was delisted in 2014 because of a change in the Water Quality Standard (WQS). The color criteria were removed from Chapter 45.

The mercury impairment for Heyburn Lake was a new listing in 2012 which led to the fish consumption impaired use. The Enterococcus impairment was delisted for Heyburn Lake in 2012 because of a change in the WQS so the geometric mean was not exceeded. The color impairment for Heyburn Lake was delisted in 2014 because of a change in the WQS. The color criteria were removed from Chapter 45.

Table 15 lists the causes of impairment and the unconfirmed potential sources for the 2012 listing and Table16 lists this information for the 2014 listing.

Polecat Creek at Hwy 117, 3-21-18

Table 15: 2012 Oklahoma Integrated Report Cause of Impairment			
Waterbody	Cause of Impairment	Impaired Use	Unconfirmed Potential Sources or TMDL Number
Nickel Creek	*Escherichia coli*	Primary Body Contact Recreation	46, 92, 108, 111, 128, 133, 136, 140
Childres Creek	Chloride	Agriculture	102
Rock Creek	None	None	---
Polecat Creek	Enterococcus	Primary Body Contact Recreation	TMDL # 42568
Sahoma Lake	Turbidity	FWP – Warm Water Aquatic Community	140
Sahoma Lake	Dissolved Oxygen	FWP – Warm Water Aquatic Community	140
Sahoma Lake	Color	Aesthetic	140
Heyburn Lake	Mercury	Fish Consumption	140
Heyburn Lake	Dissolved Oxygen	FWP – Warm Water Aquatic Community	140
Heyburn Lake	Turbidity	FWP – Warm Water Aquatic Community	140
Heyburn Lake	Color	Aesthetic	140

FWP=Fish and Wildlife Propagation

Polecat Creek at Hwy 48, 3-21-18

Table 16: 2014 Oklahoma Integrated Report Cause of Impairment			
Waterbody	Cause of Impairment	Impaired Use	Unconfirmed Potential Sources or TMDL Number
Nickel Creek	*Escherichia coli*	Primary Body Contact Recreation	46, 92, 108, 111, 128, 133, 136, 140
Childres Creek	Chloride	Agriculture	102
Rock Creek	Macroinvertebrate Bio	Warm Water Aquatic Community	140
Polecat Creek	Macroinvertebrate Bio	Warm Water Aquatic Community	46, 49, 59, 87, 92, 102, 108, 111, 136, 140
Polecat Creek	Enterococcus	Primary Body Contact Recreation	TMDL # 42568
Sahoma Lake	Dissolved Oxygen	Warm Water Aquatic Community	140
Sahoma Lake	Turbidity	Warm Water Aquatic Community	140
Heyburn Lake	Dissolved Oxygen	Warm Water Aquatic Community	140
Heyburn Lake	Turbidity	Warm Water Aquatic Community	140
Heyburn Lake	Mercury	Fish Consumption	140

Table 17 is the legend for the potential sources.

Table 17: 2014 Oklahoma Integrated Report (Legend of Potential Sources)	
Source ID	Source Description
46	Grazing in Riparian or Shoreline Zones
49	Highway/Road/Bridge Runoff (Non-construction Related
59	Impacts from Land Application of Wastes
87	Non-irrigated Crop Production
92	On-site Treatment systems (Septic Systems and Similar Decentralized Systems)
102	Petroleum/natural Gas Activities (Legacy)
108	Rangeland Grazing
111	Residential Districts
128	Total Retention Domestic Sewage Lagoons
133	Wastes from Pets
136	Wildlife Other than Waterfowl
140	Source Unknown

Once an impairment is determined, the waterbody is placed in one of five categories:

Category 1 - Attaining the water quality standard and no use is threatened. Waterbodies listed in this category are characterized by data and information that meet the requirements of the Continuing Planning Process (CPP) to support a determination that the water quality standard is attained and no use is threatened. Consideration will be given to scheduling these waterbodies for future monitoring to determine if the water quality standard continues to be attained.

Category 2 - Attaining some of the designated uses; no use is threatened; and insufficient or no data and information is available to determine if the remaining uses are attained or threatened. Waterbodies listed in this category are characterized by data and information which meet the requirements of the CPP to support a determination that some, but not all, uses are attained and none are threatened. Attainment status of the remaining uses is unknown because there is insufficient or no data or information. Monitoring shall be scheduled for these waterbodies to determine if the uses previously found to be in attainment remain in attainment, and to determine the attainment status of those uses for which data and information was previously insufficient to make a determination.

Category 3 - Insufficient or no data and information to determine if any designated use is attained. Waterbodies are listed in this category when the data or information to support an attainment determination for any use is not available or consistent with the requirements of the CPP. To assess the attainment status of these waterbodies, supplementary data and information shall be obtained, or monitoring shall be scheduled as needed.

Category 4 - Impaired or threatened for one or more designated uses but does not require the development of a TMDL.

4A - TMDL has been completed. Waterbodies are listed in this subcategory once all TMDL(s) have been developed and approved by EPA that, when implemented, are expected to result in full attainment of the standard. Where more than one pollutant is associated with the impairment of a waterbody, the waterbody will remain in Category 5 until all TMDLs for each pollutant have been completed and approved by EPA. Monitoring shall be scheduled for these waterbodies to verify that the water quality standard is met when the water quality management actions needed to achieve all TMDLs are implemented.

4B - Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future. Consistent with the regulation under 130.7(b)(i),(ii), and (iii), waterbodies are listed in this subcategory when other pollution control requirements required by local, state, or federal authority are stringent enough to implement any water quality standard (WQS) applicable to such waters. These requirements must be specifically applicable to the particular water quality problem. Monitoring shall be scheduled for these waterbodies to verify that the water quality standard is attained as expected.

4C - Impairment is not caused by a pollutant. Waterbodies are listed in this subcategory if the impairment is not caused by a pollutant. Scheduling of these waterbodies for monitoring to confirm that there continues to be no pollutant-caused impairment and to support water quality management actions necessary to address the cause(s) of the impairment, shall be considered.

Category 5 - The water quality standard is not attained. The waterbody is impaired or threatened for one or more designated uses by a pollutant(s), and requires a TMDL. This category constitutes the Section 303(d) list of waters impaired or threatened by a pollutant(s) for which one or more TMDL(s) are needed. A waterbody is listed in this category if it is determined, in accordance with the CPP, that a pollutant has caused, is suspected of causing, or is projected to cause an impairment. Where more than one pollutant is associated with the impairment of a single waterbody, the waterbody will remain in Category 5 until TMDLs for all pollutants have been completed and approved by EPA. For waterbodies listed in this category, monitoring schedules shall be provided that describe when data and information will be collected to support TMDL establishment and to determine if the standard is attained. While the waterbody is being monitored for a specific pollutant to develop a TMDL, the watershed shall also be monitored to assess the attainment status of other uses. A schedule for the establishment of TMDLs for all waters in Category 5 shall be submitted. This schedule shall reflect the priority ranking of the listed waters. Category 5 waterbodies are further divided into the following subcategories:

5A – TMDL is underway or will be scheduled.

5B – A review of the Water Quality Standards will be conducted before a TMDL is scheduled.

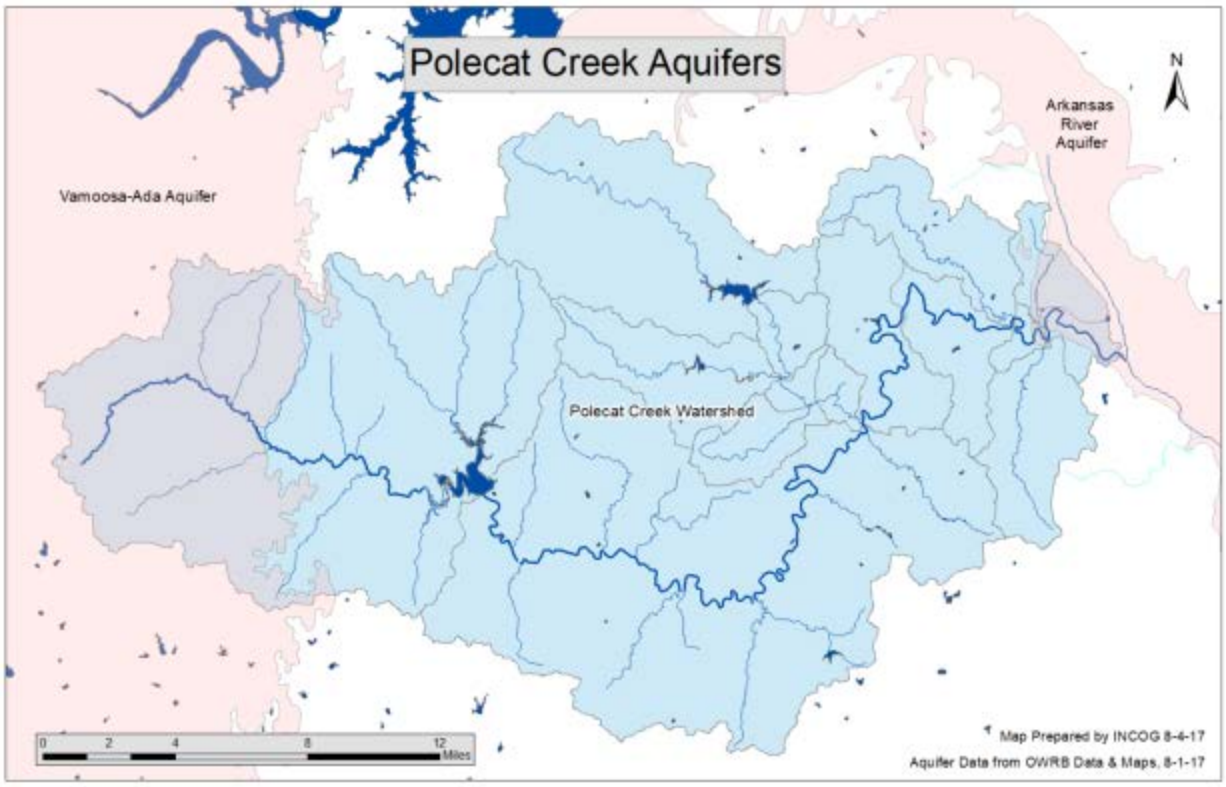
5C – Additional data and information will be collected before a TMDL or review of the Water Quality Standards is scheduled.

Aquifers

The western end of the watershed is over the Vamoosa-Ada aquifer which is classed as a major bedrock basin. The very eastern end of the watershed is over the Arkansas River aquifer which is classed as a major alluvium and terrace basin. Major basins are distinct underground bodies of water overlain by contiguous land and having substantially the same geological and hydrological characteristics and from which groundwater wells yield at least fifty (50) gallons per minute on the average basinwide if from a bedrock aquifer and at least one hundred fifty (150) gallons per minute on the average basinwide if from an alluvium and terrace aquifer, or as otherwise designated by the Oklahoma Water Resources Board. (OWRB website, groundwater, 8-1-17) Alluvium and terrace deposits consist mainly of unconsolidated sand, silt, clay and gravel.

Vamoosa-Ada aquifers consist of a complex sequence of fine to very fine grained sandstone, siltstone, shale, and conglomerate interbedded with very thin limestones. Approximately 75 percent of the water withdrawn from the Vammosa-Ada aquifer is for municipal use. Rural domestic use and water for stock animals account for most of the remaining water withdrawn. (Digital data sets that describe aquifer characteristics of the Vamoosa-Ada aquifer in east-central Oklahoma, USGS, November 17, 2014)

Map 6: Polecat Creek Aquifers



Groundwater Wells

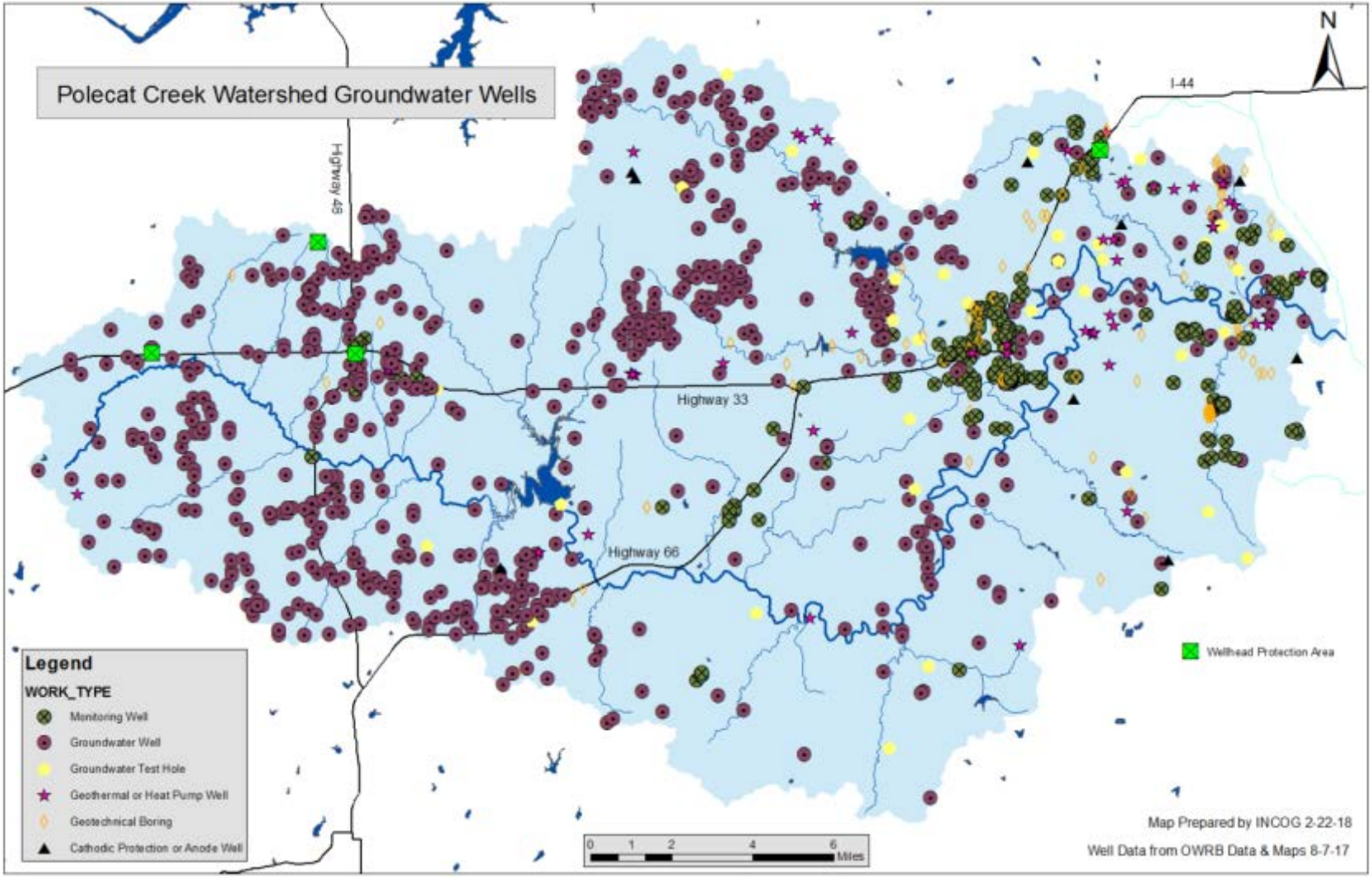
There are 1,671 groundwater wells within the watershed according to the Multi-Purpose Well Completion Reports filed by licensed well drillers with the Oklahoma Water Resources Board. These reports are required for each new well constructed. The uses vary and are shown in Table 18 with some of the information available. Improperly maintained wells, improperly plugged wells and abandoned wells are potential sources of groundwater pollution. Therefore, it is always advisable to consider the number, type and condition of wells in an area when looking for potential pollutant sources.

The Wellhead Protection program is part of a federal program geared to improving drinking water quality by protecting the area around a well. The goal of Oklahoma's Wellhead Protection program is to minimize the risk of pollution by limiting activities on the land around public water supply wells. DEQ rules state that public drinking water wells are not to be located within 300 feet horizontally from any existing or potential source of pollution.

Table 18: Groundwater Wells in Polecat Creek Watershed				
Number of Wells	Type of Well	Use Class	Depth Range	Comments
659	Groundwater Well	Domestic	0 to 517 ft.	
559	Monitoring Well	Site Assessment	0 to 600 ft.	
148	Geotechnical Boring	Soil Evaluation	0 to 205 ft,	
97	Monitoring Well	Water Quality	8 to 20 ft.	
58	Groundwater Well	Agricultural	60 to 560 ft.	Non-irrigation Wells
52	Geothermal or Heat Pump Well	Heat Exchange	0 to 205 ft.	
42	Groundwater Test Hole	Water Location	0 to 420 ft.	
12	Groundwater Well	Irrigation	27 to 310 ft.	
11	Monitoring Well	Unsaturated Zone	10 ft.	
10	Monitoring Well	Vapor Extraction	6.5 to 20 ft.	
9	Cathodic Protection or Anode Well	Corrosion Protection	205 to 320 ft.	
8	Monitoring Well	Pump and Treat	8 to 25 ft.	
4	Groundwater Well	Commercial	38 to 208 ft.	
2	Groundwater Well	Observation	15 ft.	

Polecat Creek at Hwy 48, 3-21-18

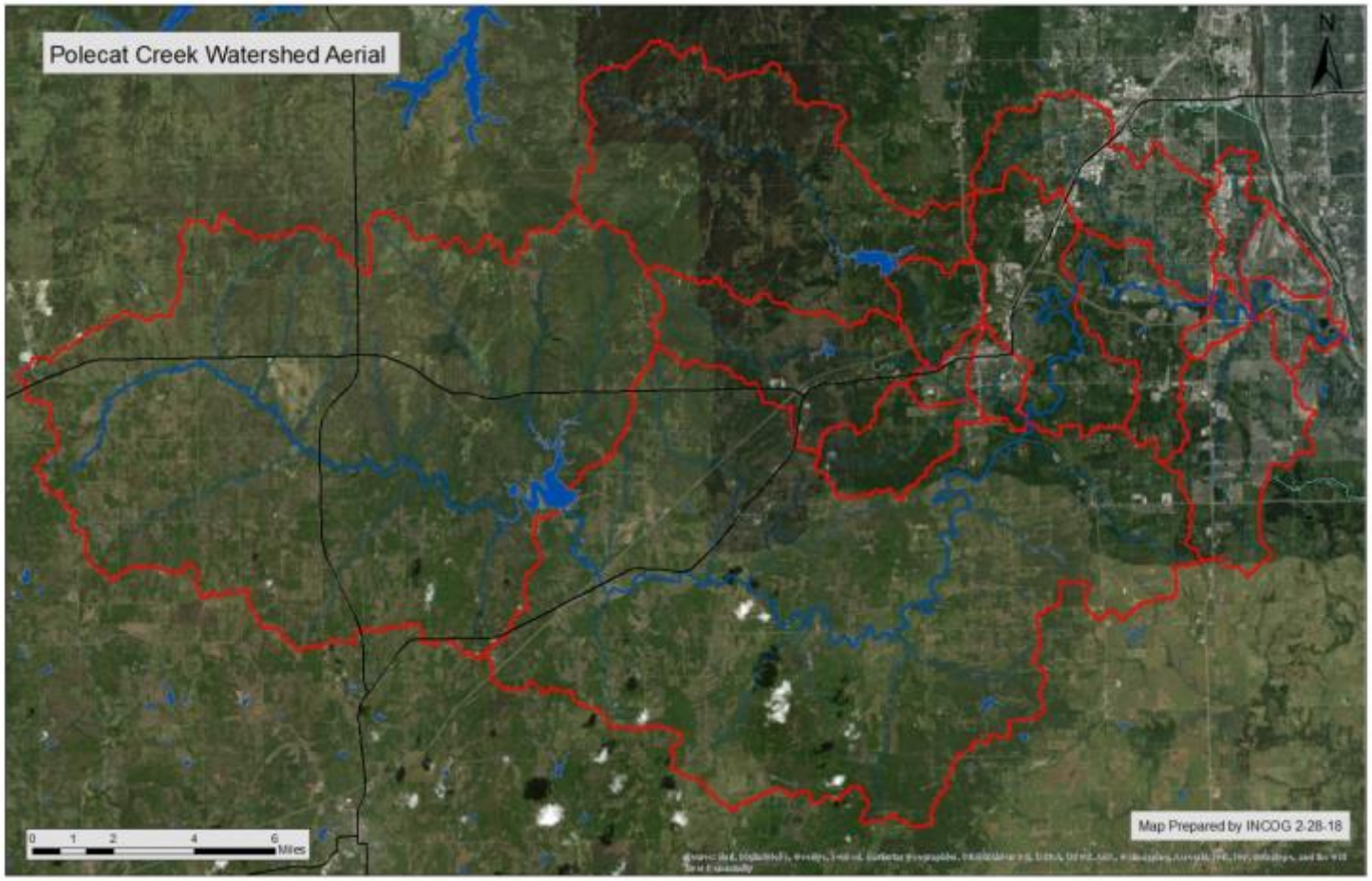
Map 7: Polecat Creek Watershed Groundwater Wells



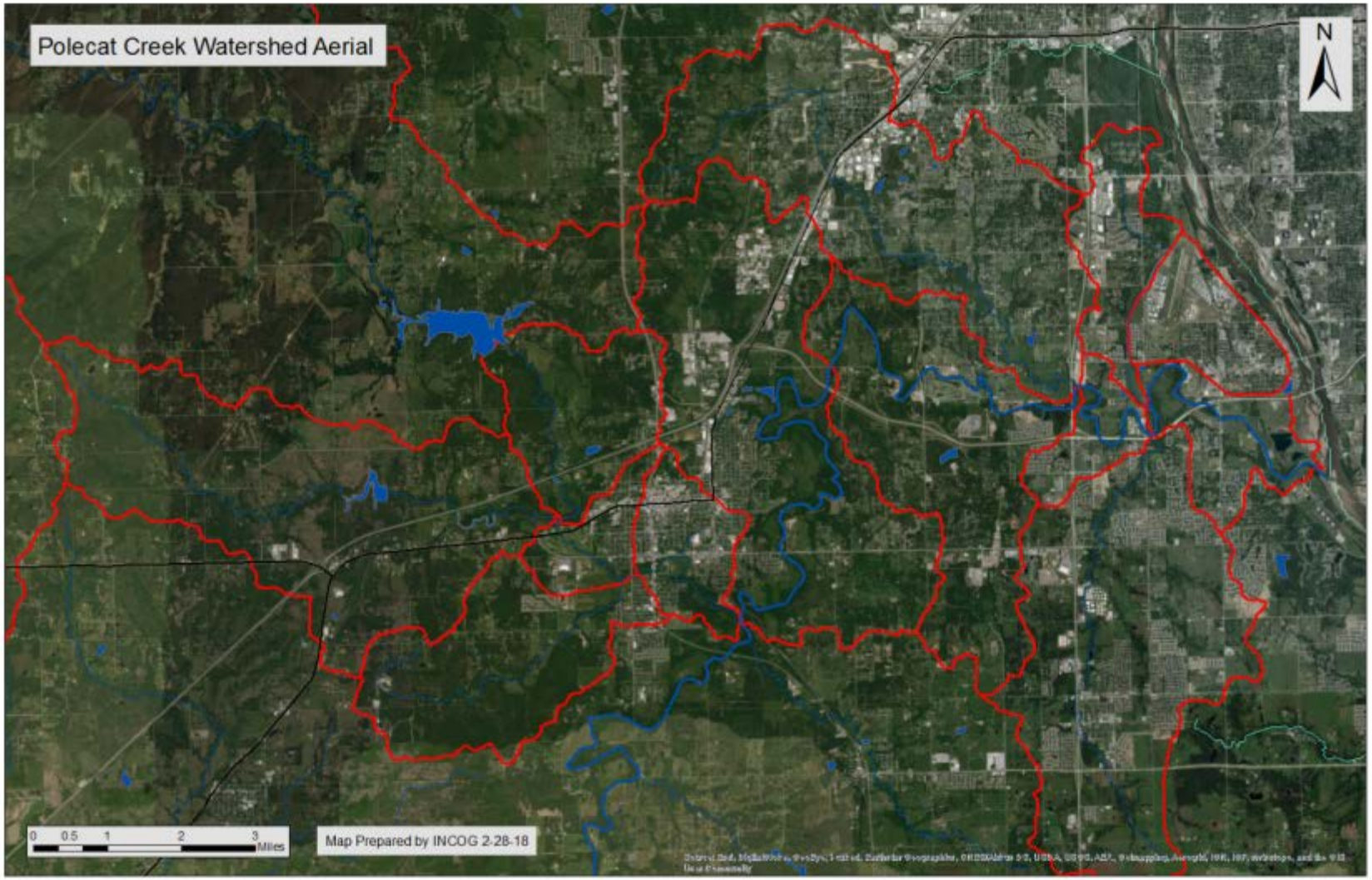
Watershed Aerial

An aerial photo of the Polecat Creek watershed during the summer months shows vegetation and development. There is a mix of residential, commercial and industrial development in the lower watershed with most of the middle and upper portions of the watershed still undeveloped. A majority of the developed parcels are in the lower watershed, so refer to the lower watershed map below for more detail.

Map 8: Polecat Creek Watershed Aerial



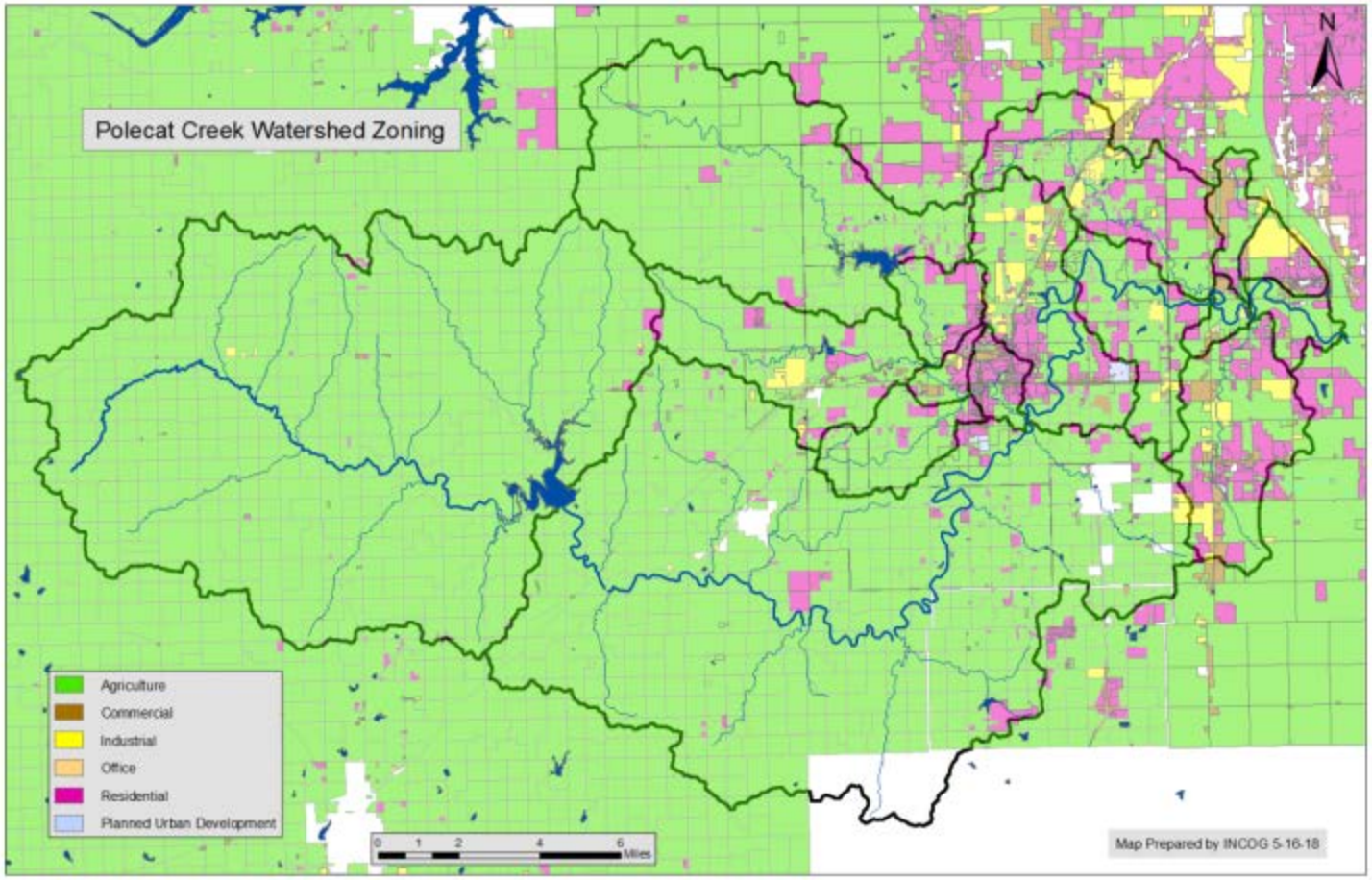
Map 9: Polecat Creek Lower Watershed Aerial



Zoning

The western two thirds of the watershed is zoned agriculture with a few small areas zoned residential and industrial. The eastern third is a mix of agriculture, commercial, industrial, office, residential and one planned urban development. A few small portions of the watershed did not show a zoning designation.

Map 10: Polecat Creek Watershed Zoning

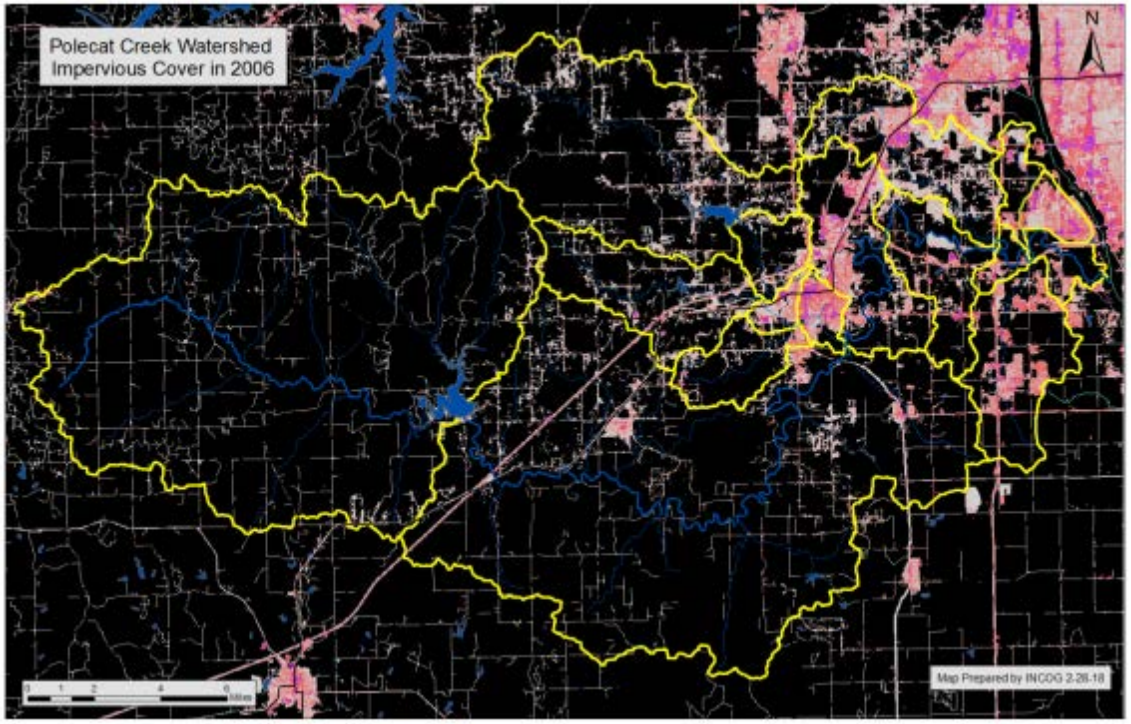


Impervious Cover

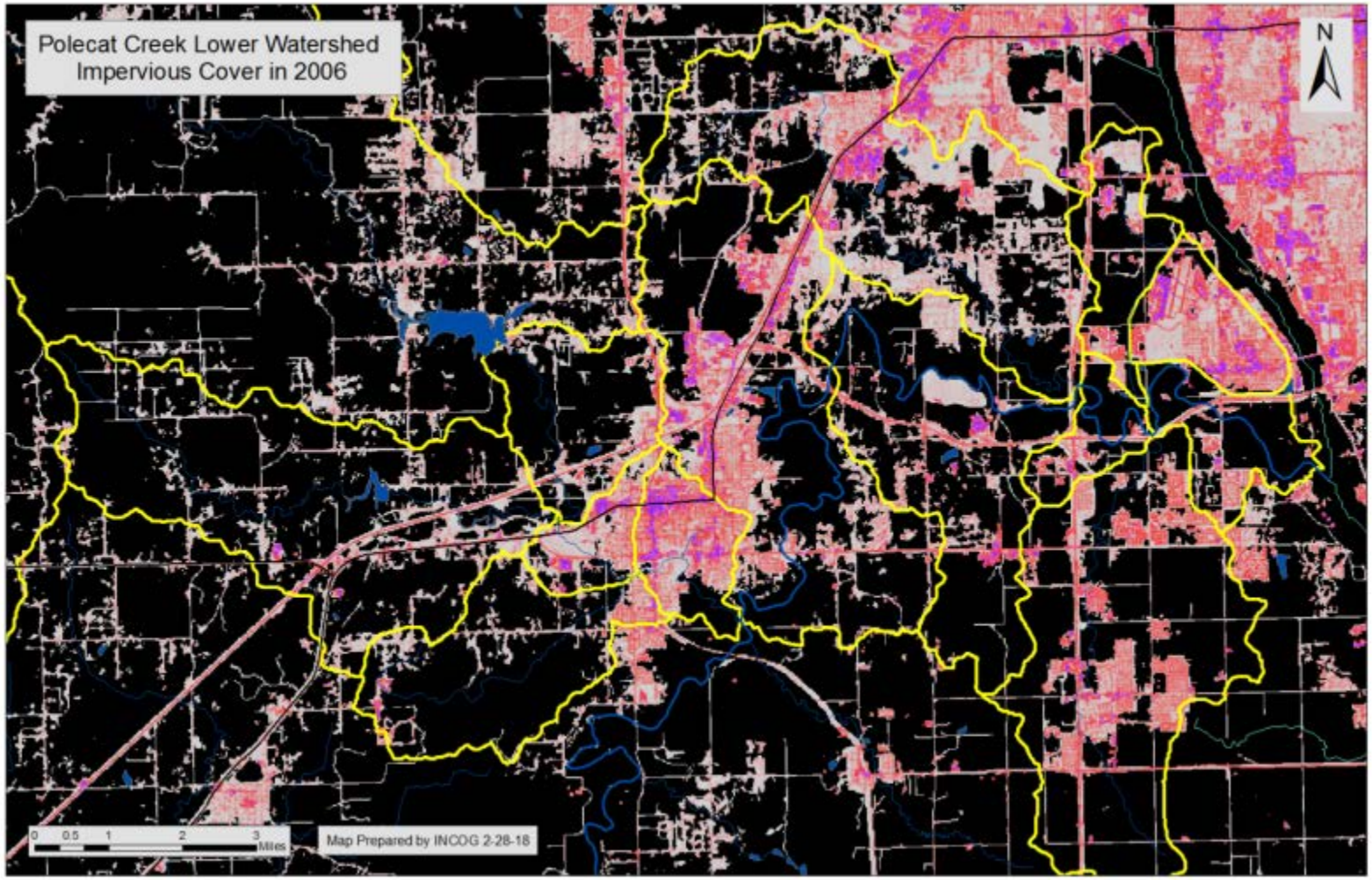
The National Land Cover Database products are created through a cooperative project conducted by the Multi-Resolution Land Characteristics (MRLC) and used to show how much and where impervious cover exists.

This type of information is helpful in determining where development may concentrate stormwater runoff. In the following maps, the darker the red the more impervious the surface. The purple areas indicate the densest portions and the black areas indicate the least impervious or less developed areas. In 2006, the upper half of the watershed had very little impervious cover, but the percent of impervious cover starts to increase in the middle portions of the watershed and becomes prevalent in some of the lower portions of the watershed. See the lower watershed map for more detail.

Map 11: Polecat Creek Watershed Impervious Cover 2006

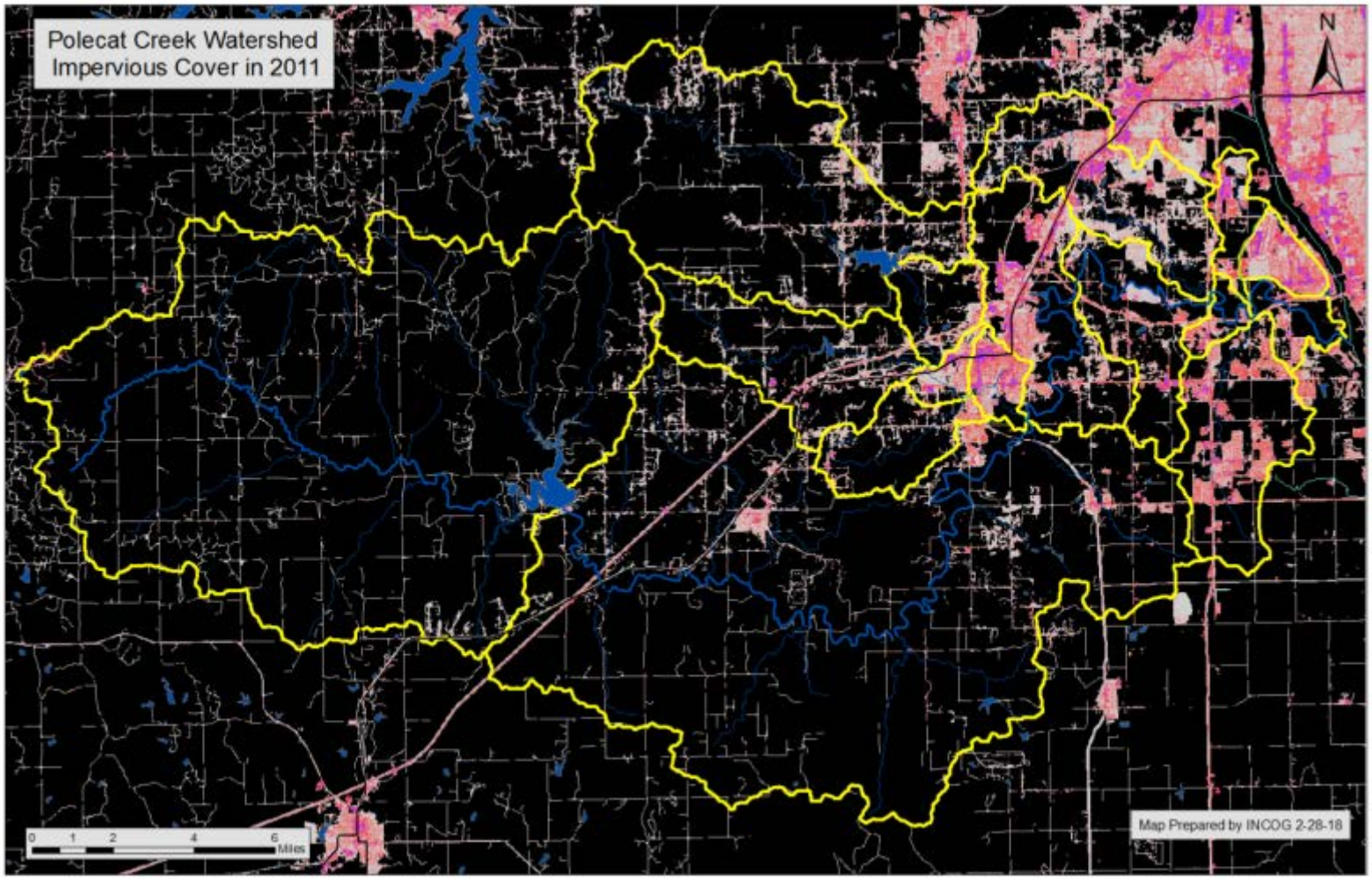


Map 12: Polecat Creek Lower Watershed Impervious Cover in 2006

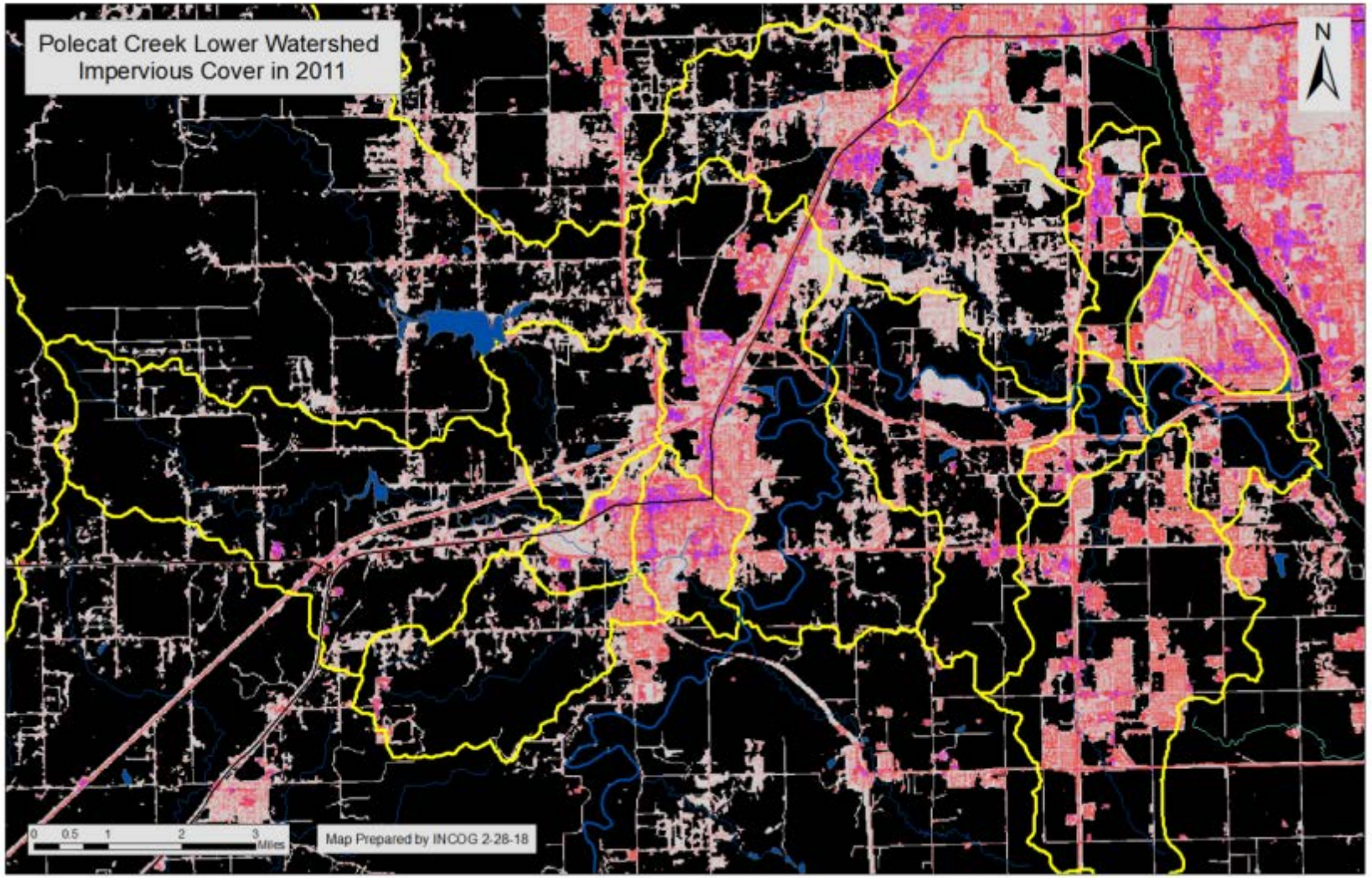


By comparing the 2006 and 2011 impervious cover maps it becomes more obvious where growth and development are occurring.

Map 13: Polecat Creek Watershed Impervious Cover 2011



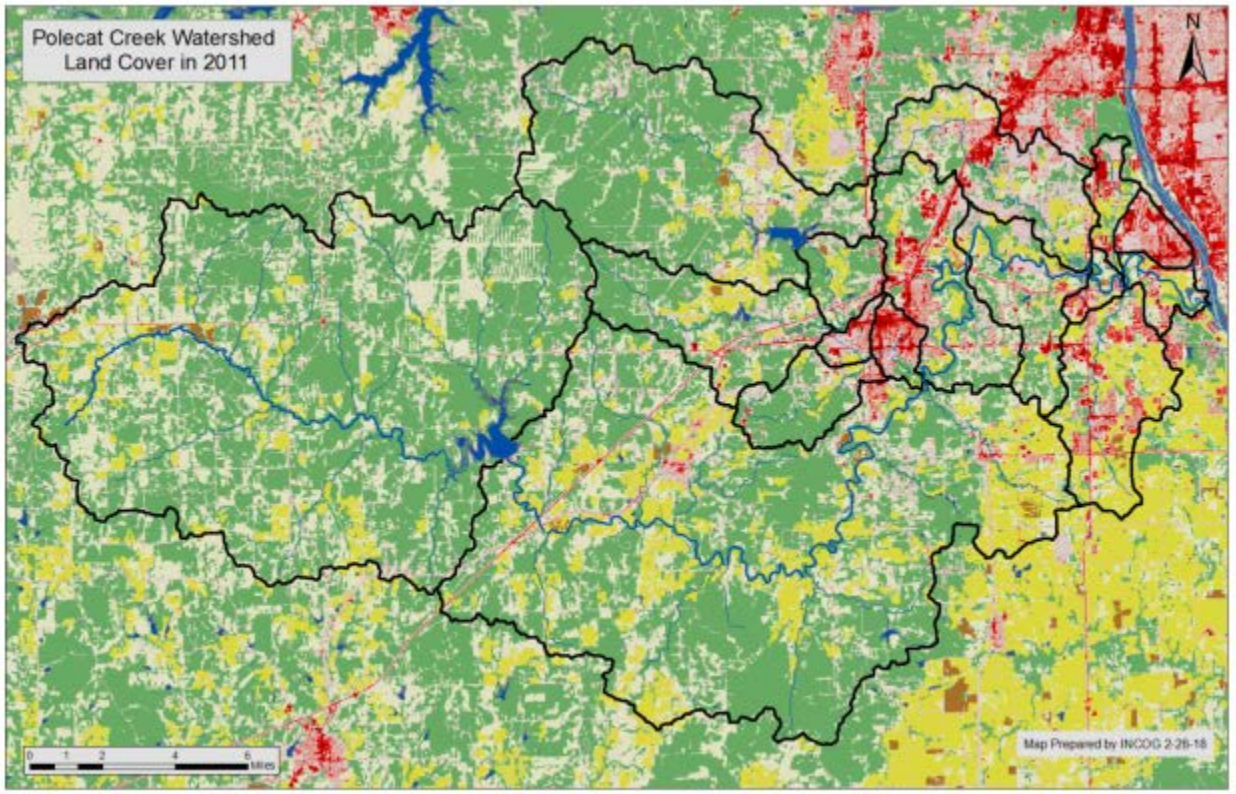
Map 14: Polecat Creek Lower Watershed Impervious Cover in 2011



Land Cover

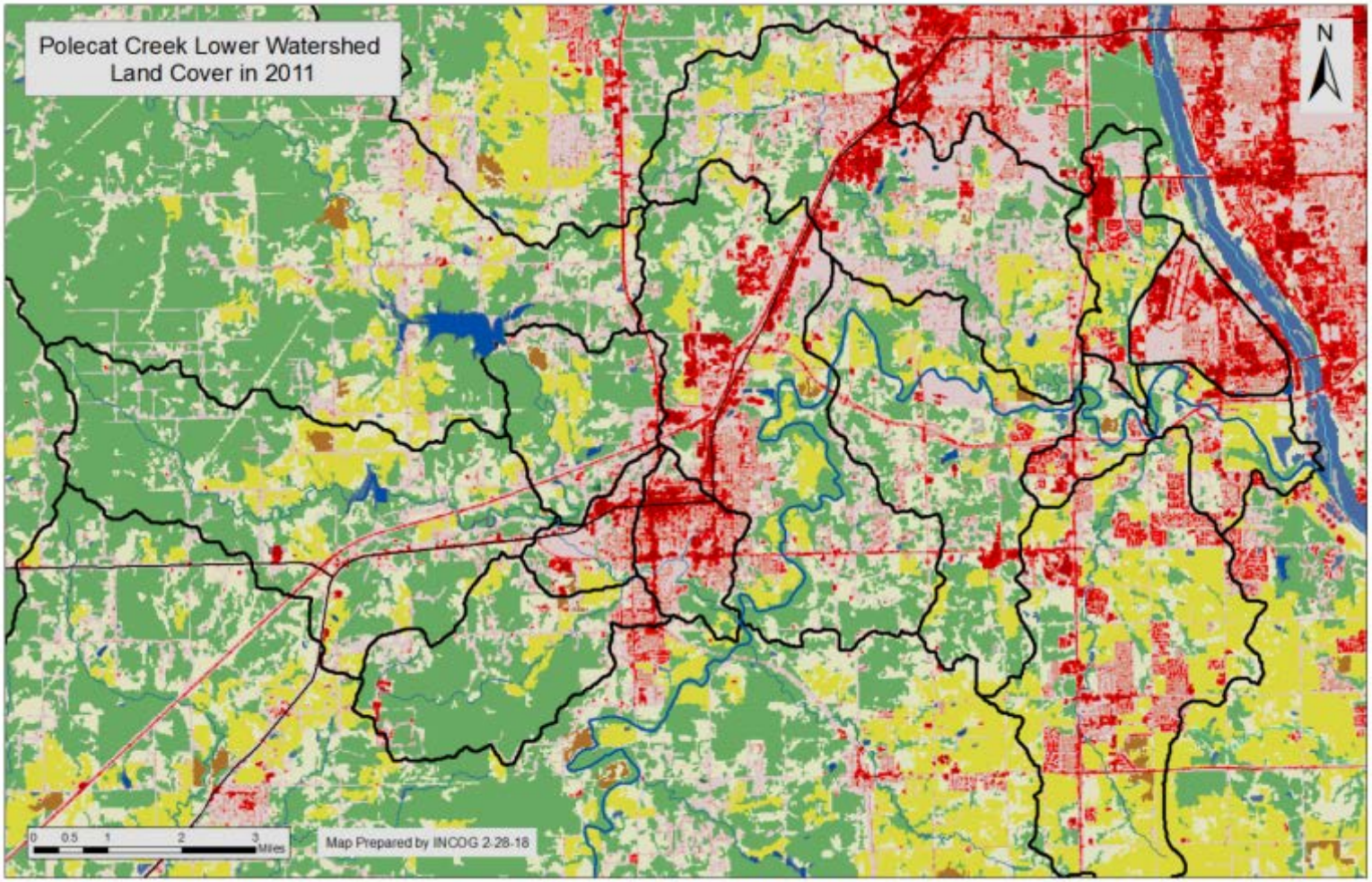
The National Land Cover Database products are created through a cooperative project conducted by the Multi-Resolution Land Characteristics (MRLC) Consortium. This data is used to depict how the land is being used.

Map 15: Polecat Creek Watershed Land Cover 2011



Much of the undeveloped watershed is still deciduous forest mixed with pastures and hayfields. The developed areas are shown as "Low Intensity Residential", "High Intensity Residential" and "Commercial/Industrial/Transportation". See the legend for land cover below. The lower watershed is interspersed with developed and undeveloped land.

Map 16: Polecat Creek Lower Watershed Land Cover 2011



Legend

The classification system used by NLCD1992 is modified from the Anderson Land Cover Classification System*. Download the NLCD1992 land cover classification legend.

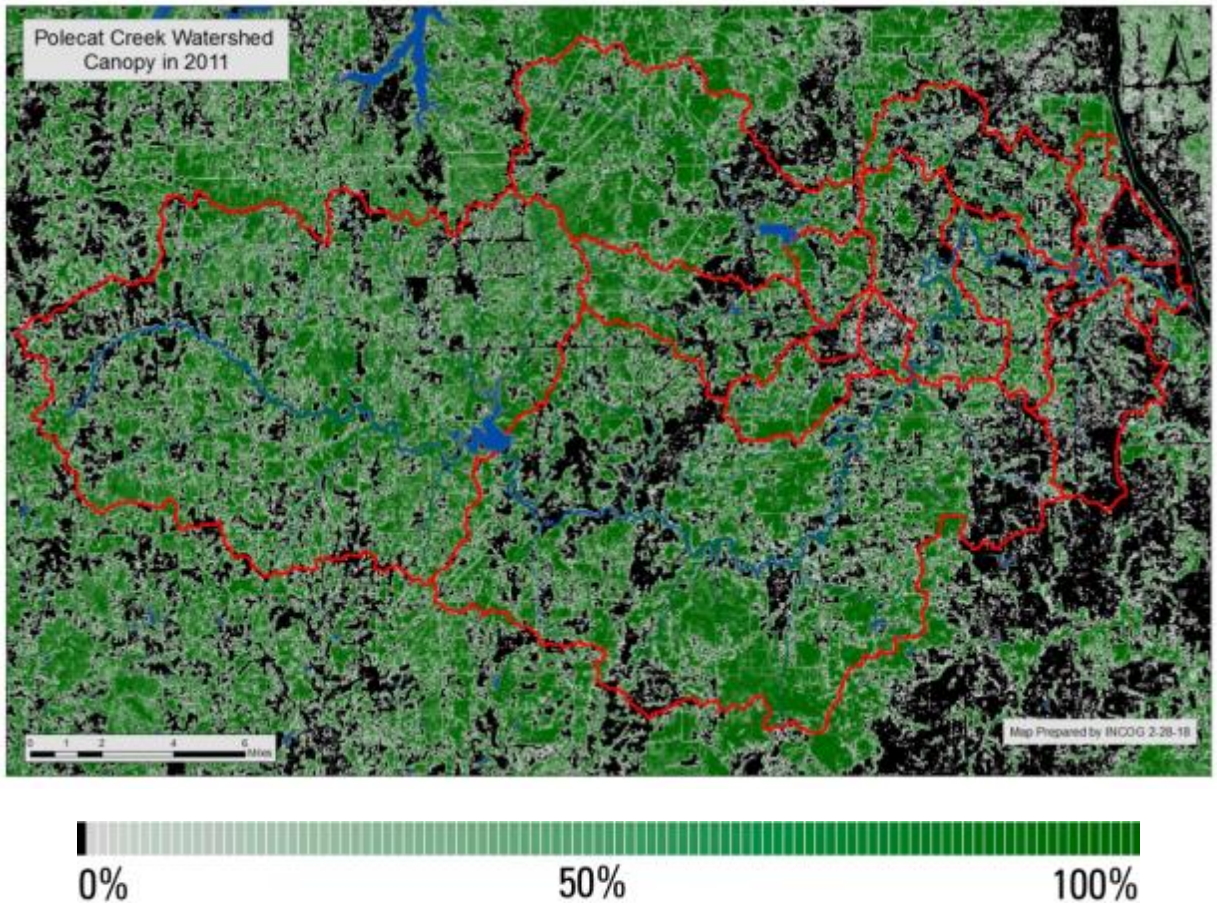
Class\ Value	Classification Description
Water	*areas of open water or permanent ice/snow cover.*
11	**Open Water** - areas of open water, generally with less than 25% cover of vegetation/land cover.
12	**Perennial Ice/Snow** - areas characterized by year-long surface cover of ice and/or snow.
Developed	*areas characterized by a high percentage (30 % or greater) of constructed materials (e.g. asphalt, concrete, buildings, etc.).*
21	**Low Intensity Residential** - areas with a mixture of constructed materials and vegetation. Constructed materials account for 30% to 80% of the cover. Vegetation may account for 20% to 70 % of the cover. These areas most commonly include single-family housing units. Population densities will be lower than in high intensity residential areas.
22	**High Intensity Residential** - areas highly developed where people reside in high numbers. Examples include apartment complexes and row houses. Vegetation accounts for less than 20% of the cover. Constructed materials account for 80% to100% of the cover.
23	**Commercial/Industrial/Transportation** - areas of infrastructure (e.g. roads, railroads, etc.) and all highly developed areas not classified as High Intensity Residential
Barren	*areas characterized by bare rock, gravel, sand, silt, clay, or other earthen material, with little or no "green" vegetation present regardless of its inherent ability to support life. Vegetation, if present, is more widely spaced and scrubby than that in the green vegetated categories; lichen cover may be extensive.*
31	**Bare Rock/Sand/Clay** - perennially barren areas of bedrock, desert pavement, scarps, talus, slides, volcanic material, glacial debris, beaches, and other accumulations of earthen material.
32	**Quarries/Strip Mines/Gravel Pits** - areas of extractive mining activities with significant surface expression.
33	**Transitional** - areas of sparse vegetative cover (less than 25% of cover) that are dynamically changing from one land cover to another, often because of land use activities. Examples include forest clear cuts, a transition phase between forest and agricultural land, the temporary clearing of vegetation, and changes due to natural causes (e.g. fire, flood, etc.).
Forest	*areas characterized by tree cover (natural or semi-natural woody vegetation, generally greater than 6 meters tall); tree canopy accounts for 25% to 100% of the cover.*
41	**Deciduous Forest** - areas dominated by trees where 75% or more of the tree species shed foliage simultaneously in response to seasonal change.
42	**Evergreen Forest** - areas dominated by trees where 75% or more of the tree species maintain their leaves all year. Canopy is never without green foliage.
43	**Mixed Forest** - areas dominated by trees where neither deciduous nor evergreen species represent more than 75% of the cover present.

Shrubland	*areas characterized by natural or semi-natural woody vegetation with aerial stems, generally less than 6 meters tall, with individuals or clumps not touching to interlocking. Both evergreen and deciduous species of true shrubs, young trees, and trees or shrubs that are small or stunted because of environmental conditions are included.*
51	**Shrubland** - areas dominated by shrubs; shrub canopy accounts for 25 to 100% of the cover. Shrub cover is generally greater than 25% when tree cover is less than 25%. Shrub cover may be less than 25% in cases when the cover of other life forms (e.g. herbaceous or tree) is less than 25% and shrubs cover exceeds the cover of the other life forms.
Non-natural woody	*areas dominated by non-natural woody vegetation; non-natural woody vegetative canopy accounts for 25% to 100% of the cover. The non-natural woody classification is subject to the availability of sufficient ancillary data to differentiate non-natural woody vegetation from natural woody vegetation.*
61	**Orchards / Vineyards / Other** - orchards, vineyards, and other areas planted or maintained for the production of fruits, nuts, berries, or ornamentals.
Herbaceous Upland	*upland areas characterized by natural or semi-natural herbaceous vegetation; herbaceous vegetation accounts for 75% to 100% of the cover.*
71	**Grasslands / Herbaceous** - areas dominated by upland grasses and forbs. In rare cases, herbaceous cover is less than 25%, but exceeds the combined cover of the woody species present. These areas are not subject to intensive management, but they are often utilized for grazing.
Planted / Cultivated	*areas characterized by herbaceous vegetation that has been planted or is intensively managed for the production of food, feed, or fiber; or is maintained in developed settings for specific purposes. Herbaceous vegetation accounts for 75% to 100% of the cover.*
81	**Pasture / Hay** - areas of grasses, legumes, or grass-legume mixtures planted for livestock grazing or the production of seed or hay crops.
82	**Row Crops** - areas used for the production of crops, such as corn, soybeans, vegetables, tobacco, and cotton.
83	**Small Grains** - areas used for the production of graminoid crops such as wheat, barley, oats, and rice.
84	**Fallow** - areas used for the production of crops that do not exhibit visible vegetation as a result of being tilled in a management practice that incorporates prescribed alternation between cropping and tillage.
85	**Urban / Recreational Grasses** - vegetation (primarily grasses) planted in developed settings for recreation, erosion control, or aesthetic purposes. Examples include parks, lawns, golf courses, airport grasses, and industrial site grasses.
Wetlands	*areas where the soil or substrate is periodically saturated with or covered with water as defined by Cowardin et al., (1979).*
91	**Woody Wetlands** - areas where forest or shrubland vegetation accounts for 25% to 100 % of the cover and the soil or substrate is periodically saturated with or covered with water.
92	**Emergent Herbaceous Wetlands** - areas where perennial herbaceous vegetation accounts for 75% to 100% of the cover and the soil or substrate is periodically saturated with or covered with water.

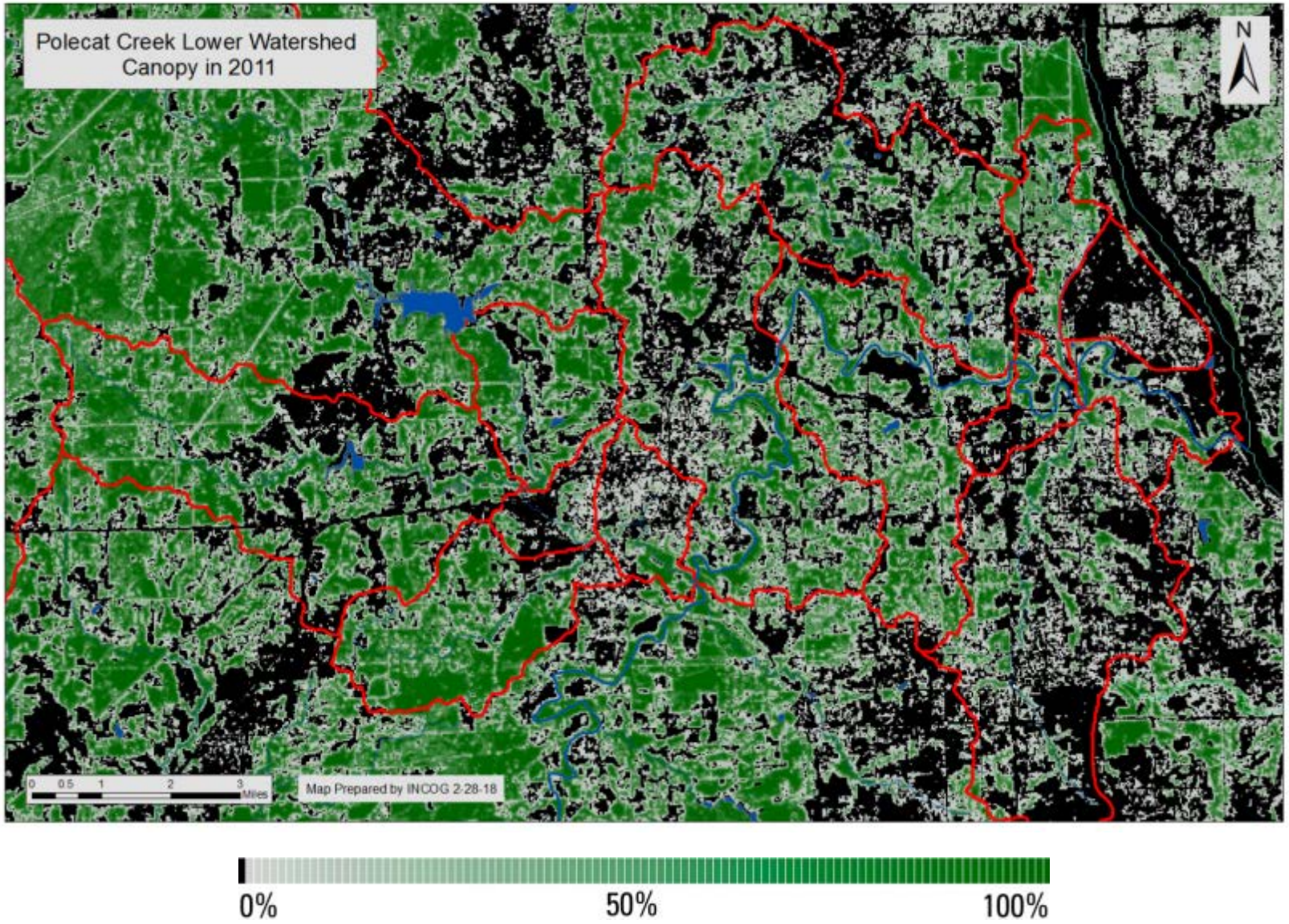
Polecat Creek Canopy

The National Land Cover Database 2011 (NLCD2011) USFS percent tree canopy product was produced through a cooperative project conducted by the Multi-Resolution Land Characteristics (MRLC) Consortium. The darker the green, the denser the tree canopy. A black background indicates zero percent tree canopy. The upper reaches of the Polecat Creek watershed have a dense canopy cover. Even the lower, more developed portions of the watershed have a healthy canopy with the obvious holes in highly developed and urbanized areas.

Map 17: Polecat Creek Watershed Canopy 2011



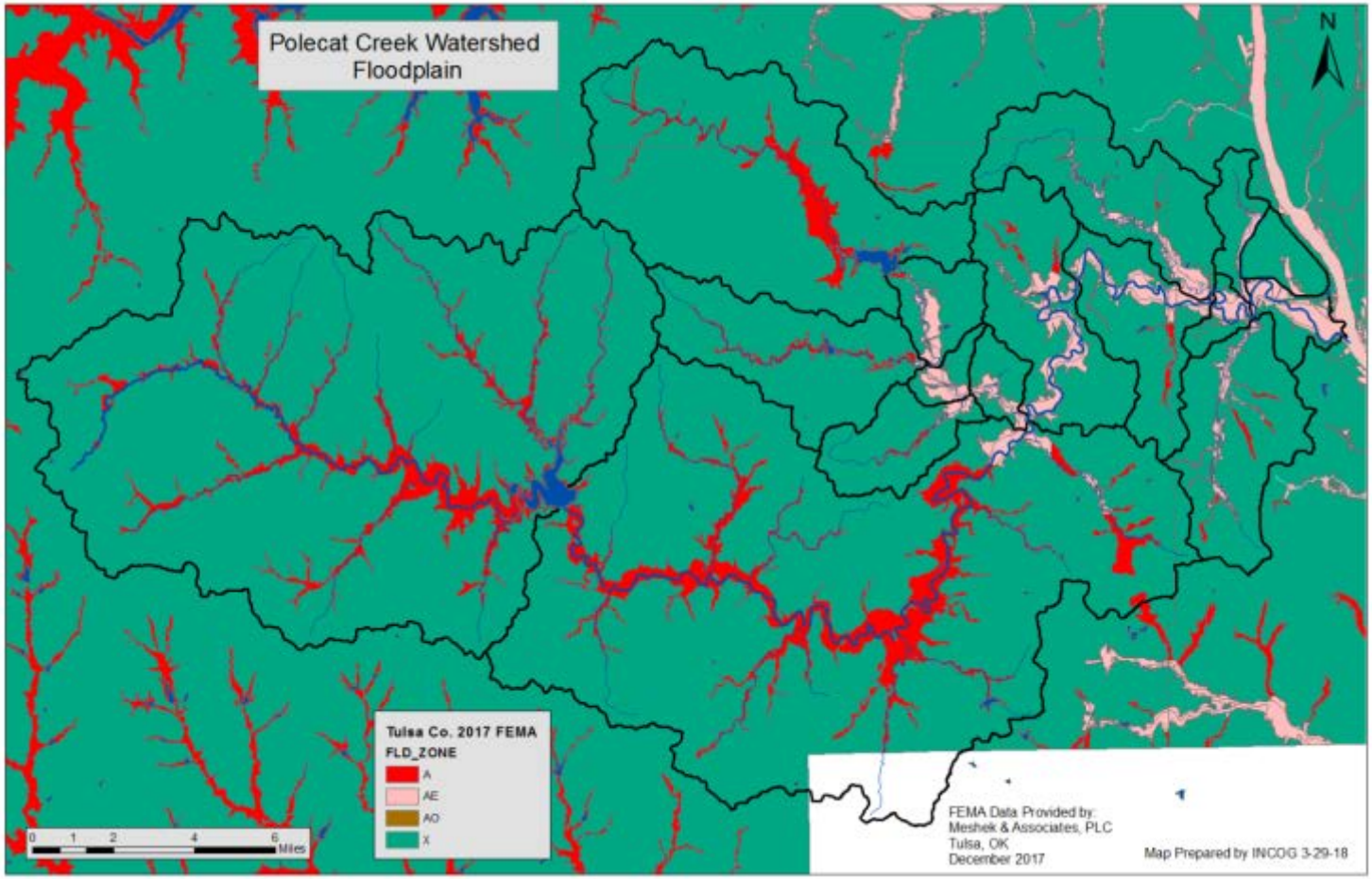
Map 18: Polecat Creek Lower Watershed Canopy 2011



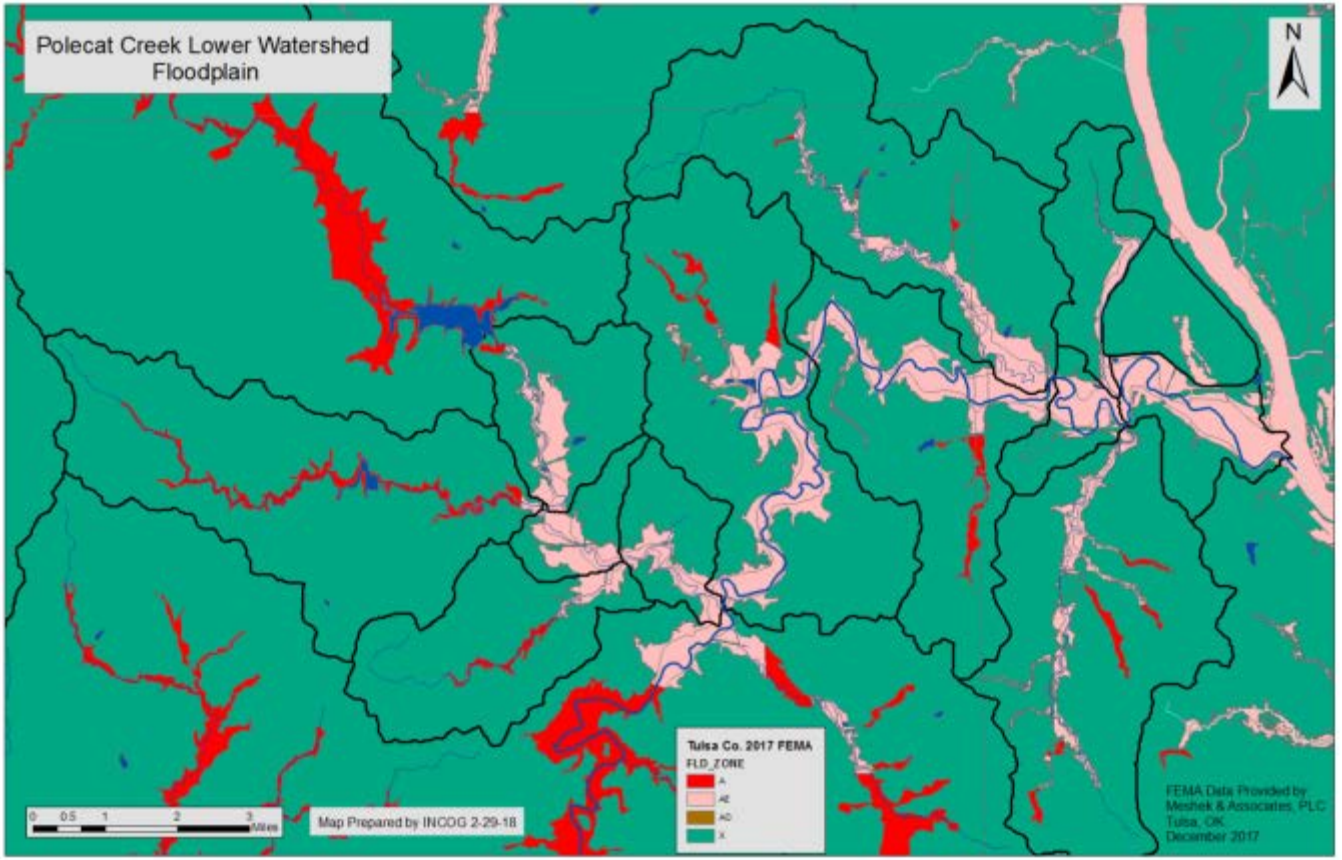
Floodplain

Throughout this watershed, the100 year (Zones A and AE) floodplain follows the water channels. The 100 year floodplain has a 1% chance of flooding each year. The rest of the watershed is in Zone X which is the 500 year floodplain or has a 0.2% chance of flooding each year.

Map 19: Polecat Creek Watershed Floodplain



Map 20: Polecat Creek Lower Watershed Floodplain



Zone A is the area with a 1% annual chance of flooding and a 26% chance of flooding over the life of a 30-year mortgage. Because detailed analyses are not performed for such areas: no depths or base flood elevations are shown within these zones.

Zone AE is the base floodplain where base flood elevations are provided.

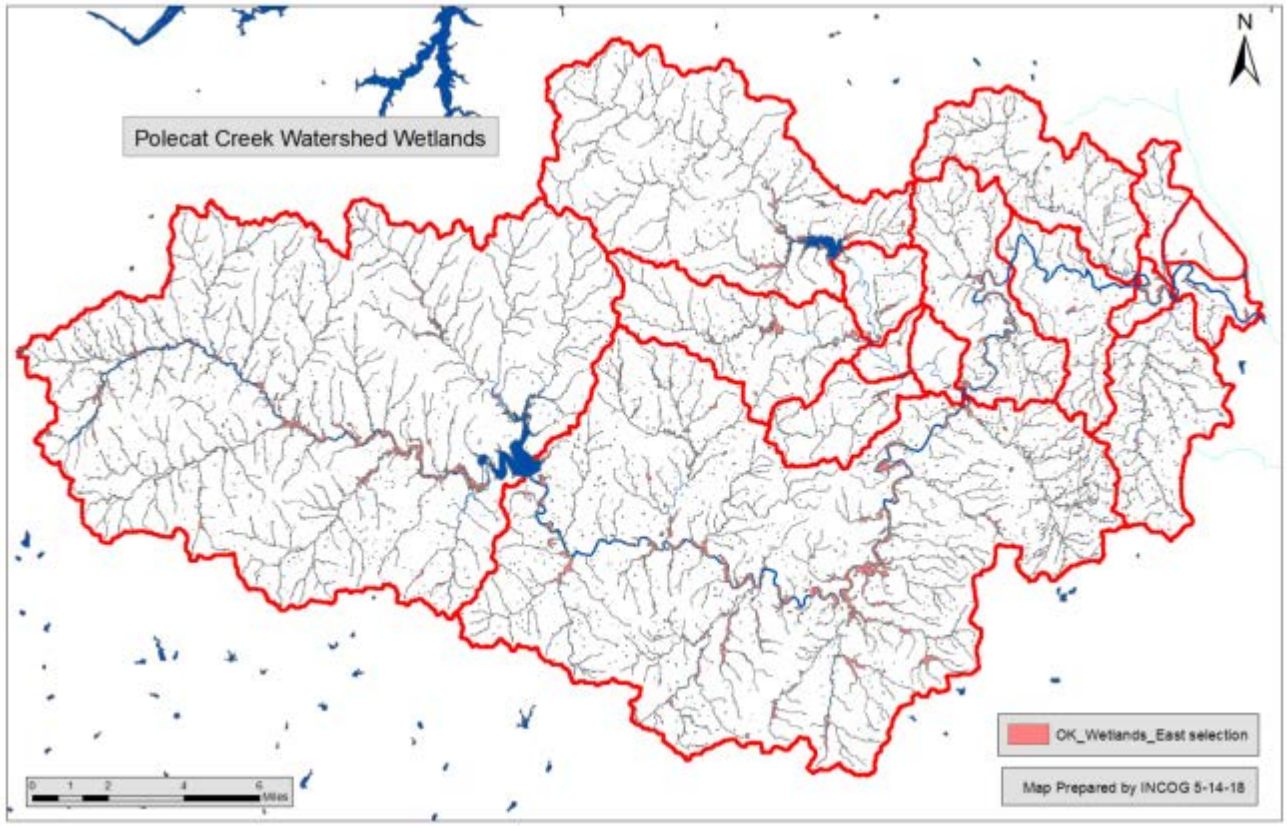
Zone AO is a river or stream flood hazard area and an area with a 1% or greater chance of shallow flooding each year, usually in the form of sheet flow, with an average depth ranging from 1 to 3 feet. These areas have a 26% chance of flooding over the life of a 30-year mortgage.

Zone X is the 500 year floodplain with a 0.2% annual chance of flooding.

Wetlands

Map 21 shows wetlands and deep water habitats as reported by the National Wetlands Inventory (version 2) from the US Fish & Wildlife Service GIS Wetlands Data. There are numerous small wetlands scattered throughout the watershed with larger wetlands located along major water courses. These wetlands correlate well with areas prone to flooding shown on the floodplain map. This shapefile also shows the numerous small tributaries draining into Polecat Creek. Many of these tributaries are ephemeral and only flow during and immediately after precipitation.

Map 21: Polecat Creek Watershed Wetlands



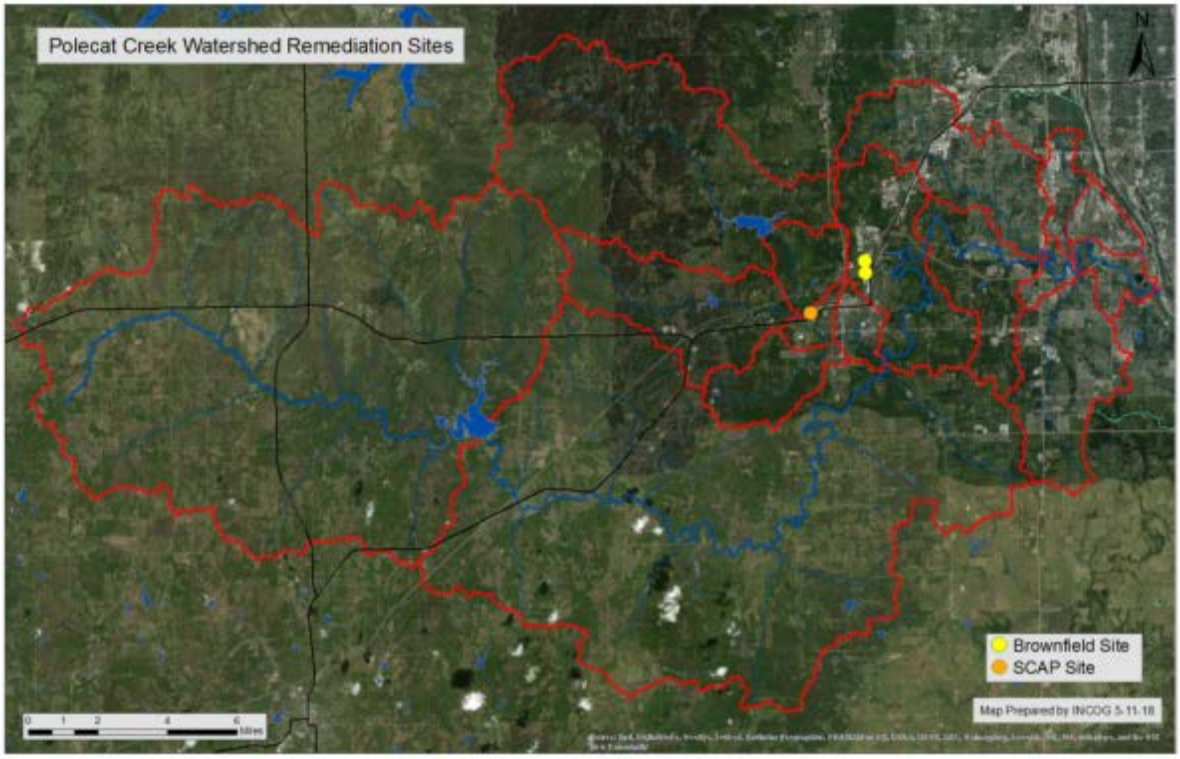
Abandoned Coal Mine Features

There are no areas listed in the Oklahoma Conservation Commission's Abandoned Mine Land Reclamation Program (AML) and potential problem areas within this watershed. However, unknown AML features may exist and have not been discovered or reported yet.

Remediation Sites

DEQ lists all properties associated with Brownfields, voluntary cleanup, Site Cleanup Assistance Program (SCAP), and Superfund sites that have had institutional controls placed on the property and all sites that have been awarded a Brownfield Certificate through the DEQ's Brownfields Program. This is handled by the Land Protection Division. This watershed has two Brownfield properties and one SCAP site as shown in Map 22.

Map 22: Polecat Creek Watershed Remediation Sites



Hazardous Waste Facilities

DEQ permits hazardous waste landfill disposal sites, facilities that store hazardous wastes, hazardous waste transfer facilities, and certain types of recycling or treatment facilities, and Commercial Hazardous Waste Receiving Facilities. Permits allow these facilities to receive,

store and transfer hazardous materials above threshold amounts. There are no permitted hazardous waste facilities within this watershed.

Water Supply

The 1995 Oklahoma Comprehensive Water Plan (OCWP) was last updated (portions) in 2012. The purpose of this study was to determine the availability of water in Oklahoma and establish a reliable supply of water for state users for at least the next 50 years. It provides information useful to water providers, policy makers and water users enabling informed decisions concerning the use and management of Oklahoma's water resources.

The state was divided into 82 surface water basins within 13 Watershed Planning Regions. The Middle Arkansas Watershed Planning Region (MAWPR) includes eight basins numbered 49 and 73-79. Most water users in MAWPR rely on surface water supplies and to a lesser extent on alluvial and bedrock groundwater and will continue to do so in the future.

Map 23: Middle Arkansas Watershed Planning Region

Reservoirs in Oklahoma may serve multiple purposes, such as water supply, irrigation, recreation, hydropower generation, and flood control. Reservoirs designed for multiple purposes typically possess a specific volume of water storage assigned for each purpose.

(OCWP) Oklahoma Comprehensive Water Plan, Version 1.1, 2012 Update.

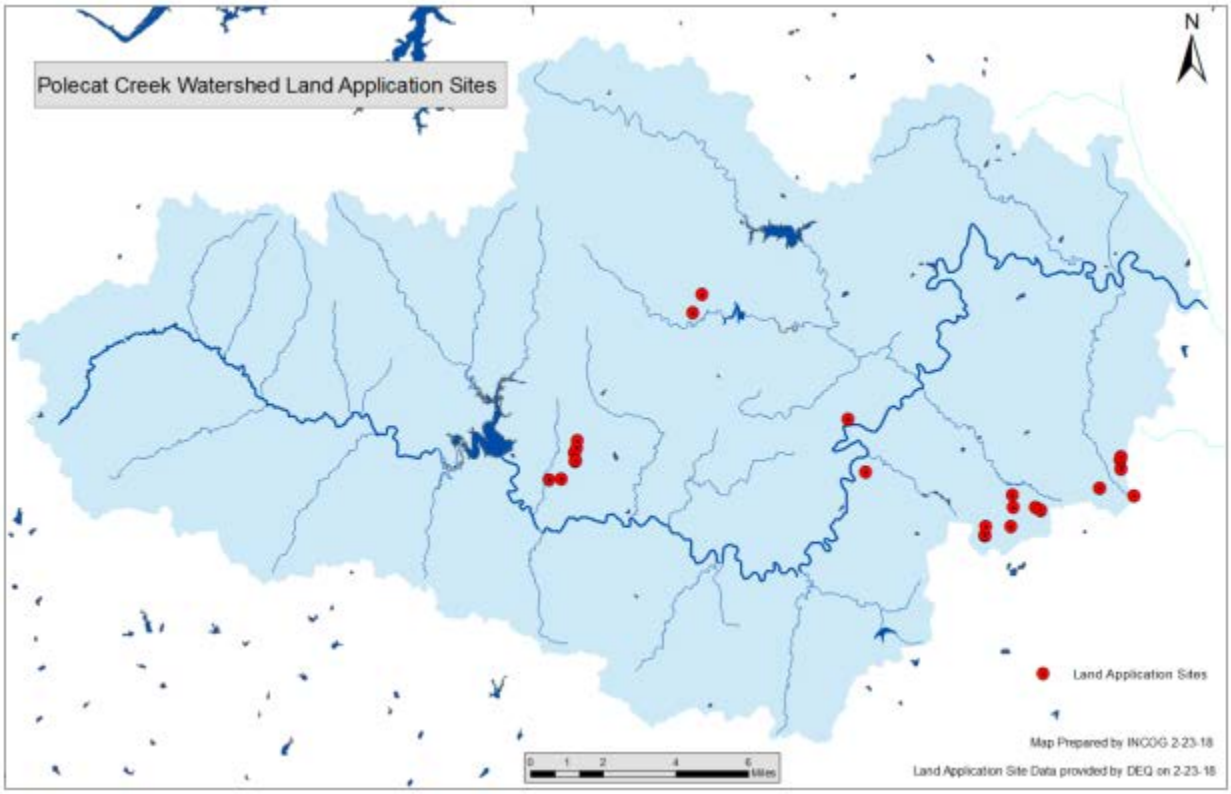
Currently surface water is used to meet about 95% of this region's demand. Conservation measures could reduce or eliminate some of these shortages and surface water alternatives, such as bedrock groundwater supplies from major aquifers and/or developing new reservoirs could mitigate surface water gaps without major impacts to groundwater storage. No basins within this region have been identified as water availability "hot spots," or areas where severe deficits or gaps in supply are anticipated.

The Polecat Creek watershed is in Basin 49. For Basin 49, water users are expected to continue to rely primarily on reservoirs and surface water supplies and by 2020 there is a low probability of surface water gaps from increased demands on existing supplies during low flow periods. Alluvial groundwater storage depletions may occur by 2020, but will be minimal in size relative to aquifer storage in the basin. However, localized storage depletions may cause adverse effects for users.

Land Application

DEQ lists thirty land application sites within this watershed. See Map 24.

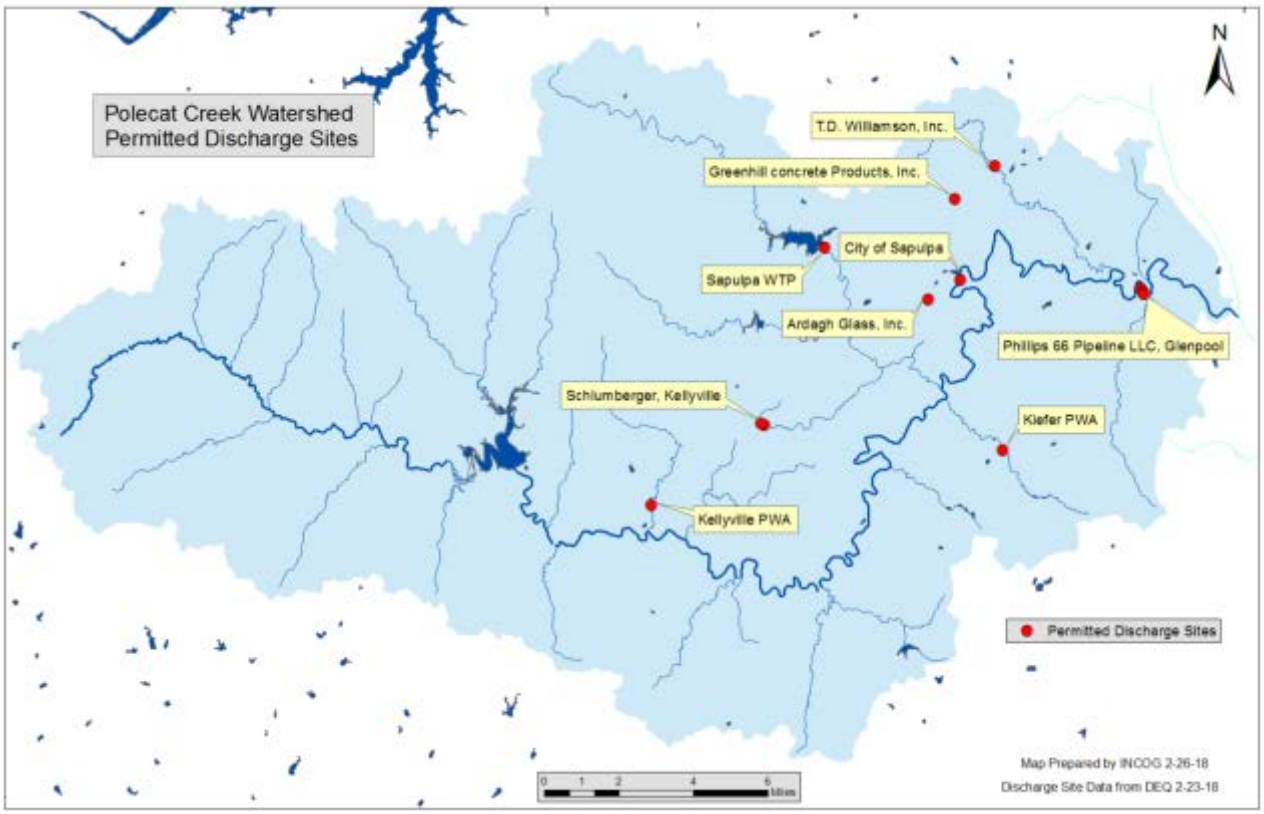
Map 24: Polecat Creek Watershed Land Application Sites



Permitted Discharge Sites

There are 13 permitted discharge sites in the Polecat Creek watershed and all of them are in the lower half of the watershed. Ardagh Glass, Inc, Greenhill concrete Products, Inc. – Sapulpa, Kellyville Public Works Authority (PWA), Kiefer PWA, Phillips 66 Pipeline LLC – Glenpool (four sites), Sapulpa Water Treatment Plant (WTP), City of Sapulpa, Schlumberger – Kellyville (two sites) and T.D. Williamson, Inc. all have discharge permits within the watershed. See Map 25.

Map 25: Polecat Creek Watershed Permitted Discharge Sites



Appendix A

Polecat Creek C Sub-Basin

The following tables show the current demographics for the Polecat Creek C sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 26: Population Demographics C Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	9,946		15,177		17,997		19,926		52.6%	10.7%
Population Density (Pop/Sq Mi)	733.16		826.97		1,326.58		1,468.76		12.8%	10.7%
Total Households	3,376		5,223		6,183		6,956		54.7%	12.5%
Population by Gender:										
Male	4,776	48.0%	7,311	48.2%	8,608	47.8%	9,578	48.1%	53.1%	11.3%
Female	5,170	52.0%	7,866	51.8%	9,389	52.2%	10,348	51.9%	52.1%	10.2%

The total population within this sub-basin increased 52.6% from 2000 to 2010 and is expected to increase another 10.7% from 2017 to 2022. The population density increased by 12.8% from 2000 to 2010, and is expected to increase by 10.7% from 2017 to 2022. Overall the population is growing steadily within this sub-basin.

Table 27: Population by Race C Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	7,893	79.4%	11,533	76.0%	13,364	74.3%	14,445	72.5%	46.1%	8.1%
Black	216	2.2%	391	2.6%	481	2.7%	558	2.8%	80.7%	15.9%
American Indian or Alaska Native	1,119	11.3%	1,565	10.3%	1,846	10.3%	2,045	10.3%	39.9%	10.8%
Asian/Native Hawaiian/Other Pacific Islander	22	0.2%	272	1.8%	402	2.2%	491	2.5%	1,133.9%	22.0%
Some Other Race	53	0.5%	291	1.9%	393	2.2%	487	2.4%	445.2%	23.9%
Two or More Races	643	6.5%	1,124	7.4%	1,511	8.4%	1,900	9.5%	75.0%	25.8%

Table 28: Population by Ethnicity C Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	321	3.2%	773	5.1%	1,009	5.6%	1,243	6.2%	140.6%	23.2%
Not Hispanic or Latino	9,625	96.8%	14,404	94.9%	16,988	94.4%	18,683	93.8%	49.6%	10.0%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 29: Population by Age C Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	864	8.7%	1,329	8.8%	1,618	9.0%	1,745	8.8%	53.8%	7.8%
5 to 14	1,879	18.9%	2,612	17.2%	3,104	17.2%	3,277	16.4%	39.0%	5.6%
15 to 19	821	8.3%	1,068	7.0%	1,276	7.1%	1,439	7.2%	30.1%	12.8%
20 to 24	455	4.6%	755	5.0%	919	5.1%	1,089	5.5%	65.9%	18.5%
25 to 34	1,640	16.5%	2,557	16.8%	2,716	15.1%	2,770	13.9%	55.9%	2.0%
35 to 44	1,916	19.3%	2,303	15.2%	2,778	15.4%	3,210	16.1%	20.2%	15.6%
45 to 54	1,281	12.9%	2,104	13.9%	2,224	12.4%	2,291	11.5%	64.2%	3.0%
55 to 64	521	5.2%	1,362	9.0%	1,837	10.2%	2,053	10.3%	161.2%	11.8%
65 to 74	327	3.3%	679	4.5%	1,024	5.7%	1,372	6.9%	107.8%	34.0%
75 to 84	229	2.3%	299	2.0%	386	2.1%	551	2.8%	30.3%	42.6%
85+	13	0.1%	111	0.7%	115	0.6%	129	0.7%	733.7%	12.3%
Median Age:										
Total Population	30.9		32.2		33.0		34.0			

The median age within this sub-watershed has steadily increased. From 2000 to 2010 the most notable change is the big jump in the 55 to 74 and 85+ year age brackets. The 75 to 84 year age bracket is expected increase by the highest percentage from 2017 to 2022.

Polecat Creek at S. Elm St., 5-23-18

Table 30: Households by Income C Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	296	8.8%	234	4.5%	268	4.3%	230	3.3%	-20.8%	-14.2%
$15,000 - $24,999	384	11.4%	406	7.8%	461	7.5%	410	5.9%	5.7%	-11.1%
$25,000 - $34,999	465	13.8%	578	11.1%	530	8.6%	485	7.0%	24.5%	-8.5%
$35,000 - $49,999	701	20.8%	590	11.3%	661	10.7%	631	9.1%	-15.8%	-4.6%
$50,000 - $74,999	870	25.8%	1,434	27.5%	1,638	26.5%	1,681	24.2%	64.9%	2.6%
$75,000 - $99,999	417	12.4%	957	18.3%	1,119	18.1%	1,373	19.7%	129.6%	22.7%
$100,000 - $149,999	154	4.6%	668	12.8%	918	14.9%	1,323	19.0%	334.4%	44.1%
$150,000 +	65	1.9%	354	6.8%	588	9.5%	823	11.8%	445.7%	40.0%
Average Hhld Income	$54,178		$80,578		$86,252		$97,596		48.7%	13.2%
Median Hhld Income	$46,295		$63,955		$68,113		$75,608		38.1%	11.0%
Per Capita Income	$18,388		$27,762		$29,661		$34,096		51.0%	15.0%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 31: Employment C Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	7,025		11,003		12,984		14,589		56.6%	32.6%
Total Labor Force	5,377	76.5%	8,188	74.4%	9,298	71.6%	10,537	72.2%	52.3%	13.3%
Civilian, Employed	5,210	96.9%	7,796	95.2%	9,023	97.1%	10,291	97.7%	49.7%	14.1%
Civilian, Unemployed	157	2.9%	384	4.7%	266	2.9%	237	2.3%	144.0%	-11.1%
In Armed Forces	10	0.2%	8	0.1%	8	0.1%	8	0.1%	-18.0%	5.1%
Not In Labor Force	1,649	23.5%	2,815	25.6%	3,686	28.4%	4,052	27.8%	70.7%	9.9%
% Blue Collar	1,904	36.5%	2,634	33.8%	3,052	33.8%	3,446	38.2%	38.4%	12.9%
% White Collar	3,311	63.5%	5,163	66.2%	5,972	66.2%	6,845	75.9%	55.9%	14.6%

Table 32: Housing Units C Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	3,478		5,566		6,545		7,393		60.0%	13.0%
Total Occupied Housing Units	n/a	n/a	5,223	93.8%	6,183	94.5%	6,956	94.1%	n/a	12.5%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	3,641	69.7%	4,079	66.0%	4,571	65.7%	n/a	12.1%
Owner Occupied: Owned free and clear	n/a	n/a	648	12.4%	837	13.5%	947	13.6%	n/a	13.2%
Renter Occupied	n/a	n/a	934	17.9%	1,267	20.5%	1,438	20.7%	n/a	13.5%
Vacant	103	3.0%	344	6.2%	362	5.5%	437	5.9%	235.0%	20.6%

Total housing units increased 60.0% from 2000 to 2010 and are expected to increase another 13.0% through 2022 so residential development and residential construction related runoff pollutants are likely to increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 33: Vehicles Available C Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	115	3.4%	81	1.5%	112	1.8%	126	1.8%	-30.1%	12.6%
1 Vehicle Available	770	22.8%	1,178	22.6%	1,448	23.4%	1,624	23.4%	53.1%	12.1%
2+ Vehicles Available	2,491	73.8%	3,964	75.9%	4,623	74.8%	5,206	74.8%	59.1%	12.6%
Average Vehicles Per Household	2.00		2.17		2.12		2.12		10.9%	0.0%

The average number of vehicles per household increased by 10.9% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 34: Marital Status C Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	4,668	64.8%	6,664	59.3%	7,641	57.6%	8,531	57.2%	42.8%	11.7%
Married, Spouse Absent	142	2.0%	173	1.5%	297	2.2%	342	2.3%	22.0%	15.5%
Divorced	756	10.5%	1,282	11.4%	1,644	12.4%	1,851	12.4%	69.5%	12.6%
Widowed	285	4.0%	633	5.6%	655	4.9%	745	5.0%	121.7%	13.6%
Never Married	1,359	18.9%	2,485	22.1%	3,039	22.9%	3,435	23.1%	82.8%	13.0%
Age 15+ Population	7,204		11,237		13,275		14,904		56.0%	12.3%

Table 35: Educational Attainment C Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	157	2.7%	147	1.6%	167	1.5%	185	1.5%	-6.2%	10.8%
Grade 9 - 11	552	9.3%	606	6.4%	587	5.3%	632	5.1%	9.7%	7.6%
High School Graduate	1,759	29.7%	2,393	25.4%	2,802	25.3%	3,116	25.2%	36.1%	11.2%
Some College, No Degree	1,545	26.1%	2,375	25.2%	2,809	25.4%	3,107	25.1%	53.7%	10.6%
Associates Degree	539	9.1%	1,314	14.0%	1,453	13.1%	1,609	13.0%	143.7%	10.8%
Bachelor's Degree	996	16.8%	1,909	20.3%	2,355	21.3%	2,683	21.7%	91.8%	13.9%
Graduate Degree	367	6.2%	620	6.6%	856	7.7%	993	8.0%	69.0%	16.0%
No Schooling Completed	10	0.2%	50	0.5%	50	0.5%	51	0.4%	414.9%	1.8%
Age 25+ Population	5,925		9,414		11,080		12,376		58.9%	11.7%

Polecat Creek Hey Sub-Basin

The following tables show the current demographics for the Polecat Creek Hey sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 36: Population Demographics Hey Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	2,496		2,727		2,802		2,899		9.2%	3.4%
Population Density (Pop/Sq Mi)	20.88		35.33		23.44		24.24		69.3%	3.4%
Total Households	926		1,023		1,051		1,103		10.5%	4.9%
Population by Gender:										
Male	1,246	49.9%	1,368	50.2%	1,412	50.4%	1,464	50.5%	9.8%	3.7%
Female	1,250	50.1%	1,359	49.8%	1,391	49.6%	1,435	49.5%	8.7%	3.2%

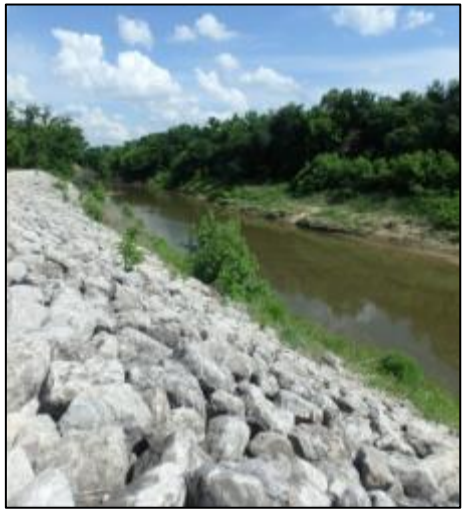
The total population within this sub-basin increased 9.2% from 2000 to 2010 and is expected to increase another 3.4% from 2017 to 2022. The population density increased by 69.3% from 2000 to 2010, and is expected to increase by 3.4% from 2017 to 2022. Overall the population is growing slowly within this sub-basin.

Table 37: Population by Race Hey Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	2,110	84.5%	2,220	81.4%	2,262	80.7%	2,298	79.3%	5.2%	1.6%
Black	17	0.7%	20	0.7%	20	0.7%	21	0.7%	12.5%	3.8%
American Indian or Alaska Native	233	9.4%	282	10.3%	288	10.3%	304	10.5%	20.7%	5.6%
Asian/Native Hawaiian/Other Pacific Islander	7	0.3%	9	0.3%	11	0.4%	12	0.4%	19.6%	8.1%
Some Other Race	2	0.1%	14	0.5%	20	0.7%	24	0.8%	584.9%	18.0%
Two or More Races	126	5.0%	183	6.7%	202	7.2%	240	8.3%	45.6%	18.9%

Table 38: Population by Ethnicity Hey Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	28	1.1%	59	2.2%	80	2.9%	96	3.3%	112.8%	19.8%
Not Hispanic or Latino	2,469	98.9%	2,668	97.8%	2,722	97.1%	2,802	96.7%	8.1%	2.9%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 39: Population by Age Hey Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	158	6.3%	143	5.3%	145	5.2%	148	5.1%	-9.2%	2.2%
5 to 14	362	14.5%	397	14.6%	358	12.8%	339	11.7%	9.6%	-5.3%
15 to 19	188	7.5%	201	7.4%	197	7.0%	197	6.8%	7.3%	0.0%
20 to 24	123	4.9%	127	4.7%	149	5.3%	171	5.9%	3.0%	14.5%
25 to 34	306	12.3%	268	9.8%	282	10.1%	296	10.2%	-12.5%	4.9%
35 to 44	393	15.8%	355	13.0%	352	12.6%	354	12.2%	-9.8%	0.6%
45 to 54	378	15.2%	451	16.5%	408	14.6%	368	12.7%	19.2%	-9.8%
55 to 64	278	11.1%	382	14.0%	407	14.5%	415	14.3%	37.4%	1.8%
65 to 74	185	7.4%	264	9.7%	329	11.7%	384	13.3%	42.7%	16.8%
75 to 84	79	3.2%	106	3.9%	136	4.9%	185	6.4%	34.1%	36.2%
85+	45	1.8%	32	1.2%	39	1.4%	42	1.5%	-28.7%	6.8%
Median Age:										
Total Population	38.2		41.4		42.7		43.5			



Polecat Creek at S. Koa St. along the Leon "Red" Earp Nature Trail, 5-23-18

The median age within this sub-watershed has steadily increased. From 2000 to 2010 the most notable change is the jump in the 55 to 84 year age brackets. The 75 to 84 year age bracket is expected increase by the highest percentage from 2017 to 2022.

Table 40: Households by Income Hey Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	164	17.7%	131	12.8%	113	10.8%	98	8.9%	-20.2%	-13.0%
$15,000 - $24,999	141	15.2%	175	17.1%	155	14.8%	143	13.0%	24.4%	-7.8%
$25,000 - $34,999	172	18.5%	141	13.8%	135	12.9%	129	11.7%	-17.9%	-4.8%
$35,000 - $49,999	197	21.3%	173	16.9%	163	15.6%	156	14.1%	-12.2%	-4.6%
$50,000 - $74,999	174	18.8%	214	21.0%	235	22.4%	256	23.3%	23.2%	9.0%
$75,000 - $99,999	58	6.3%	100	9.8%	113	10.8%	139	12.6%	71.8%	23.0%
$100,000 - $149,999	27	2.9%	72	7.0%	97	9.2%	131	11.9%	169.6%	34.7%
$150,000 +	2	0.2%	17	1.7%	38	3.6%	50	4.5%	668.0%	31.5%
Average Hhld Income	$39,113		$49,356		$56,369		$62,727		26.2%	11.3%
Median Hhld Income	$34,490		$40,113		$44,873		$52,753		16.3%	17.6%
Per Capita Income	$14,513		$18,559		$21,171		$23,898		27.9%	12.9%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 41: Employment Hey Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	1,936		2,146		2,257		2,372		10.9%	10.5%
Total Labor Force	1,211	62.6%	1,319	61.4%	1,285	57.0%	1,314	55.4%	8.9%	2.2%
Civilian, Employed	1,172	96.8%	1,232	93.4%	1,230	95.7%	1,267	96.4%	5.1%	3.0%
Civilian, Unemployed	39	3.2%	87	6.6%	55	4.3%	47	3.6%	123.3%	-14.0%
In Armed Forces	0	0.0%	1	0.1%	1	0.1%	1	0.1%	38.4%	0.0%
Not In Labor Force	725	37.4%	828	38.6%	971	43.0%	1,058	44.6%	14.2%	9.0%
% Blue Collar	605	52.2%	601	48.8%	613	49.8%	630	51.2%	-0.6%	2.9%
% White Collar	553	47.8%	630	51.2%	617	50.2%	636	51.7%	13.9%	3.0%

Table 42: Housing Units Hey Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	1,041		1,121		1,144		1,196		7.7%	4.5%
Total Occupied Housing Units	n/a	n/a	1,023	91.3%	1,051	91.8%	1,103	92.2%	n/a	4.9%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	473	46.2%	458	43.6%	478	43.3%	n/a	4.3%
Owner Occupied: Owned free and clear	n/a	n/a	398	38.9%	435	41.4%	460	41.7%	n/a	5.7%
Renter Occupied	n/a	n/a	153	15.0%	157	15.0%	165	14.9%	n/a	4.5%
Vacant	115	11.0%	98	8.7%	94	8.2%	93	7.8%	-15.1%	-0.1%

Total housing units only increased 7.7% from 2000 to 2010 and are expected to increase another 4.5% through 2022 so residential development and residential construction related runoff pollutants are not likely to increase by much if at all.

Table 43: Vehicles Available Hey Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	34	3.7%	27	2.7%	29	2.7%	30	2.7%	-20.2%	4.9%
1 Vehicle Available	250	27.0%	250	24.4%	266	25.3%	279	25.3%	-0.1%	5.1%
2+ Vehicles Available	642	69.3%	746	72.9%	756	72.0%	794	72.0%	16.2%	4.9%
Average Vehicles Per Household	1.80		2.23		2.21		2.22		24.4%	0.1%

The average number of vehicles per household increased by 24.4% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 44: Marital Status Hey Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	1,283	64.9%	1,311	60.0%	1,315	57.2%	1,366	56.6%	2.2%	3.8%
Married, Spouse Absent	50	2.6%	60	2.7%	77	3.4%	83	3.5%	18.3%	8.1%
Divorced	194	9.8%	251	11.5%	253	11.0%	265	11.0%	29.2%	5.0%
Widowed	127	6.4%	212	9.7%	228	9.9%	245	10.2%	66.7%	7.4%
Never Married	301	15.2%	353	16.2%	426	18.5%	452	18.7%	17.5%	6.0%
Age 15+ Population	1,976		2,187		2,300		2,412		10.7%	4.9%

Table 45: Educational Attainment Hey Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	94	5.7%	65	3.5%	54	2.8%	55	2.7%	-31.1%	1.3%
Grade 9 - 11	208	12.7%	187	10.1%	207	10.6%	220	10.7%	-10.1%	5.9%
High School Graduate	731	44.4%	870	46.8%	894	45.8%	932	45.6%	19.0%	4.3%
Some College, No Degree	360	21.9%	413	22.2%	441	22.6%	462	22.6%	14.9%	4.7%
Associates Degree	91	5.5%	144	7.7%	159	8.1%	168	8.2%	57.8%	5.6%
Bachelor's Degree	109	6.6%	133	7.2%	148	7.6%	155	7.6%	22.0%	5.1%
Graduate Degree	45	2.7%	31	1.7%	39	2.0%	41	2.0%	-29.9%	6.2%
No Schooling Completed	8	0.5%	14	0.8%	12	0.6%	11	0.6%	87.4%	-2.3%
Age 25+ Population	1,646		1,859		1,954		2,044		12.9%	4.6%

Polecat Creek H1 Sub-Basin

The following tables show the current demographics for the Polecat Creek H1 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 46: Population Demographics H1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	1,344		2,418		3,213		3,798		79.9%	18.2%
Population Density (Pop/Sq Mi)	464.87		393.89		1,111.18		1,313.77		-15.3%	18.2%
Total Households	487		922		1,226		1,482		89.4%	20.9%
Population by Gender:										
Male	673	50.1%	1,209	50.0%	1,617	50.3%	1,925	50.7%	79.7%	19.0%
Female	671	49.9%	1,209	50.0%	1,596	49.7%	1,873	49.3%	80.1%	17.4%

The total population within this sub-basin increased 79.9% from 2000 to 2010 and is expected to increase another 18.2% from 2017 to 2022. The population density decreased by 15.3% from 2000 to 2010, but is expected to increase by 18.2% from 2017 to 2022. Overall the population is growing steadily within this sub-basin.

Table 47: Population by Race H1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	1,143	85.0%	2,009	83.1%	2,640	82.2%	3,061	80.6%	75.8%	15.9%
Black	61	4.6%	68	2.8%	89	2.8%	109	2.9%	10.9%	23.0%
American Indian or Alaska Native	81	6.0%	111	4.6%	145	4.5%	174	4.6%	37.6%	20.2%
Asian/Native Hawaiian/Other Pacific Islander	1	0.1%	79	3.3%	128	4.0%	164	4.3%	6,298.1%	28.5%
Some Other Race	9	0.7%	39	1.6%	54	1.7%	74	2.0%	316.8%	36.6%
Two or More Races	49	3.6%	112	4.6%	157	4.9%	216	5.7%	129.8%	37.4%

Table 48: Population by Ethnicity H1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	36	2.7%	123	5.1%	170	5.3%	224	5.9%	239.7%	31.8%
Not Hispanic or Latino	1,308	97.3%	2,295	94.9%	3,043	94.7%	3,575	94.1%	75.5%	17.5%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 49: Population by Age H1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	92	6.8%	200	8.3%	238	7.4%	261	6.9%	117.6%	9.5%
5 to 14	217	16.1%	372	15.4%	541	16.8%	629	16.6%	71.6%	16.3%
15 to 19	128	9.5%	137	5.7%	189	5.9%	240	6.3%	7.1%	26.7%
20 to 24	50	3.7%	140	5.8%	179	5.6%	199	5.2%	180.1%	10.9%
25 to 34	120	8.9%	349	14.4%	443	13.8%	517	13.6%	190.7%	16.7%
35 to 44	226	16.8%	405	16.7%	513	16.0%	593	15.6%	79.5%	15.5%
45 to 54	222	16.5%	306	12.6%	387	12.0%	461	12.1%	37.9%	19.2%
55 to 64	138	10.2%	268	11.1%	359	11.2%	412	10.9%	94.3%	14.9%
65 to 74	88	6.5%	139	5.7%	233	7.3%	318	8.4%	58.5%	36.3%
75 to 84	52	3.9%	82	3.4%	99	3.1%	129	3.4%	57.0%	30.8%
85+	12	0.9%	20	0.8%	31	1.0%	40	1.1%	62.9%	27.3%
Median Age:										
Total Population	38.3		35.3		35.3		36.0			

Polecat Creek at S. 33rd Ave. W., 5-23-18

The median age within this sub-watershed decreased slightly and is expected to remain relatively stable. From 2000 to 2010 the most notable change is the percent increase in the 20 to 34 year age brackets.

Table 50: Households by Income H1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	50	10.3%	50	5.4%	55	4.5%	49	3.3%	0.2%	-11.7%
$15,000 - $24,999	39	7.9%	43	4.6%	48	3.9%	46	3.1%	10.7%	-5.3%
$25,000 - $34,999	58	11.9%	61	6.6%	57	4.7%	55	3.7%	5.2%	-4.0%
$35,000 - $49,999	62	12.8%	136	14.7%	160	13.1%	152	10.2%	117.6%	-5.2%
$50,000 - $74,999	97	20.0%	168	18.2%	223	18.2%	242	16.3%	73.1%	8.6%
$75,000 - $99,999	59	12.2%	192	20.8%	224	18.3%	277	18.7%	222.9%	23.7%
$100,000 - $149,999	75	15.3%	161	17.5%	244	19.9%	351	23.7%	115.6%	44.0%
$150,000 +	25	5.1%	112	12.1%	214	17.5%	310	20.9%	345.3%	44.8%
Average Hhld Income	$67,127		$100,103		$111,165		$125,335		49.1%	12.7%
Median Hhld Income	$59,599		$75,431		$82,133		$92,328		26.6%	12.4%
Per Capita Income	$24,315		$38,205		$42,442		$48,912		57.1%	15.2%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 51: EmploymentH1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	1,012		1,815		2,390		2,854		79.4%	57.2%
Total Labor Force	642	63.4%	1,158	63.8%	1,460	61.1%	1,777	62.3%	80.4%	21.7%
Civilian, Employed	614	95.6%	1,091	94.3%	1,408	96.4%	1,728	97.2%	77.8%	22.7%
Civilian, Unemployed	27	4.2%	66	5.7%	52	3.6%	49	2.7%	144.2%	-5.8%
In Armed Forces	1	0.2%	1	0.1%	1	0.1%	1	0.1%	-40.0%	33.3%
Not In Labor Force	370	36.6%	658	36.2%	930	38.9%	1,076	37.7%	77.6%	15.7%
% Blue Collar	185	30.4%	265	24.3%	347	24.7%	424	30.1%	43.1%	21.9%
% White Collar	425	69.6%	826	75.7%	1,060	75.3%	1,304	92.6%	94.4%	23.0%

Table 52: Housing Units H1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	505		1,052		1,388		1,694		108.4%	22.1%
Total Occupied Housing Units	n/a	n/a	922	87.7%	1,226	88.4%	1,482	87.5%	n/a	20.9%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	516	56.0%	659	53.7%	801	54.1%	n/a	21.6%
Owner Occupied: Owned free and clear	n/a	n/a	168	18.2%	263	21.5%	322	21.7%	n/a	22.2%
Renter Occupied	n/a	n/a	238	25.9%	304	24.8%	359	24.2%	n/a	18.1%
Vacant	18	3.6%	130	12.3%	162	11.7%	212	12.5%	623.3%	31.3%

Total housing units increased 108.4% from 2000 to 2010 and are expected to increase another 22.1% through 2022 so residential development and residential construction related runoff pollutants are likely to increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 53: Vehicles Available H1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	11	2.2%	9	1.0%	14	1.1%	17	1.2%	-17.4%	21.7%
1 Vehicle Available	79	16.1%	190	20.6%	275	22.5%	335	22.6%	142.0%	21.5%
2+ Vehicles Available	397	81.6%	723	78.4%	937	76.4%	1,130	76.3%	81.9%	20.7%
Average Vehicles Per Household	2.10		2.26		2.23		2.22		9.0%	-0.5%

The average number of vehicles per household increased by 9.0% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 54: Marital Status H1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	679	65.5%	1,140	61.8%	1,442	59.2%	1,696	58.3%	68.0%	17.7%
Married, Spouse Absent	19	1.8%	28	1.5%	76	3.1%	95	3.3%	49.9%	25.1%
Divorced	96	9.3%	181	9.8%	176	7.2%	215	7.4%	87.6%	22.2%
Widowed	47	4.6%	89	4.8%	153	6.3%	186	6.4%	88.8%	21.6%
Never Married	192	18.6%	408	22.1%	587	24.1%	717	24.7%	112.4%	22.1%
Age 15+ Population	1,035		1,846		2,434		2,909		78.3%	19.5%

Table 55: Educational Attainment H1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	35	4.1%	10	0.7%	13	0.6%	15	0.6%	-70.2%	17.1%
Grade 9 - 11	49	5.8%	46	2.9%	62	3.0%	75	3.0%	-7.2%	19.9%
High School Graduate	250	29.3%	365	23.3%	436	21.1%	511	20.7%	45.9%	17.2%
Some College, No Degree	183	21.4%	428	27.3%	504	24.4%	588	23.8%	133.8%	16.7%
Associates Degree	54	6.3%	170	10.9%	202	9.8%	241	9.7%	215.2%	19.2%
Bachelor's Degree	193	22.6%	392	25.0%	604	29.3%	741	30.0%	102.8%	22.6%
Graduate Degree	88	10.4%	157	10.0%	238	11.5%	292	11.8%	77.3%	22.6%
No Schooling Completed	1	0.1%	0	0.0%	6	0.3%	8	0.3%	-60.0%	34.3%
Age 25+ Population	854		1,569		2,065		2,470		83.7%	19.6%

Polecat Creek J1 Sub-Basin

The following tables show the current demographics for the Polecat Creek J1 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 56: Population Demographics J1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	4,249		3,666		4,204		3,950		-13.7%	-6.0%
Population Density (Pop/Sq Mi)	1,582.45		1,294.64		1,565.49		1,470.88		-18.2%	-6.0%
Total Households	1,584		1,404		1,627		1,565		-11.3%	-3.8%
Population by Gender:										
Male	2,044	48.1%	1,749	47.7%	1,972	46.9%	1,851	46.9%	-14.5%	-6.1%
Female	2,205	51.9%	1,917	52.3%	2,232	53.1%	2,098	53.1%	-13.0%	-6.0%

The total population within this sub-basin decreased 13.7% from 2000 to 2010 and is expected to decrease another 6.0% from 2017 to 2022. The population density decreased by 18.2% from 2000 to 2010, and is expected to decrease by 6.0% from 2017 to 2022. Overall the population is decreasing within this sub-basin.

Table 57: Population by Race J1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	3,595	84.6%	2,929	79.9%	3,294	78.4%	3,032	76.8%	-18.5%	-7.9%
Black	146	3.4%	130	3.6%	157	3.7%	153	3.9%	-10.6%	-2.3%
American Indian or Alaska Native	144	3.4%	286	7.8%	359	8.5%	347	8.8%	99.5%	-3.2%
Asian/Native Hawaiian/Other Pacific Islander	0	0.0%	41	1.1%	56	1.3%	59	1.5%	753,292.2	3.8%
Some Other Race	178	4.2%	115	3.1%	161	3.8%	170	4.3%	-35.4%	5.6%
Two or More Races	187	4.4%	163	4.5%	178	4.2%	189	4.8%	-12.6%	6.3%

Table 58: Population by Ethnicity J1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	233	5.5%	229	6.3%	302	7.2%	318	8.1%	-1.5%	5.4%
Not Hispanic or Latino	4,016	94.5%	3,437	93.7%	3,902	92.8%	3,632	92.0%	-14.4%	-6.9%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 59: Population by Age J1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	252	5.9%	215	5.9%	254	6.1%	243	6.2%	-14.9%	-4.3%
5 to 14	647	15.2%	490	13.4%	519	12.3%	450	11.4%	-24.3%	-13.3%
15 to 19	383	9.0%	251	6.8%	272	6.5%	269	6.8%	-34.5%	-1.0%
20 to 24	213	5.0%	199	5.4%	233	5.5%	227	5.7%	-6.3%	-2.8%
25 to 34	506	11.9%	452	12.3%	519	12.3%	482	12.2%	-10.8%	-7.1%
35 to 44	657	15.5%	432	11.8%	488	11.6%	457	11.6%	-34.2%	-6.5%
45 to 54	580	13.7%	480	13.1%	516	12.3%	438	11.1%	-17.3%	-15.2%
55 to 64	431	10.1%	404	11.0%	482	11.5%	438	11.1%	-6.3%	-9.1%
65 to 74	300	7.1%	353	9.6%	440	10.5%	452	11.5%	17.6%	2.9%
75 to 84	227	5.3%	258	7.0%	304	7.2%	338	8.6%	13.9%	11.3%
85+	53	1.2%	132	3.6%	176	4.2%	156	3.9%	150.9%	-11.8%
Median Age:										
Total Population	36.8		40.2		41.0		41.6			

The median age within this sub-watershed has steadily increased. From 2000 to 2010 the most notable change is the big jump in the 85+ year age brackets.

Polecat Creek at Hwy 48, 3-21-18

Table 60: Households by Income J1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	204	12.9%	155	11.0%	169	10.4%	125	8.0%	-24.0%	-26.2%
$15,000 - $24,999	225	14.2%	191	13.6%	192	11.8%	160	10.2%	-15.4%	-16.8%
$25,000 - $34,999	235	14.9%	171	12.2%	180	11.1%	147	9.4%	-27.3%	-18.4%
$35,000 - $49,999	305	19.3%	211	15.1%	239	14.7%	200	12.8%	-30.7%	-16.5%
$50,000 - $74,999	299	18.9%	246	17.5%	312	19.2%	292	18.7%	-17.9%	-6.5%
$75,000 - $99,999	196	12.4%	198	14.1%	234	14.4%	254	16.2%	1.2%	8.3%
$100,000 - $149,999	80	5.1%	169	12.0%	206	12.7%	263	16.8%	110.0%	28.0%
$150,000 +	36	2.3%	63	4.5%	94	5.8%	124	7.9%	74.4%	31.6%
Average Hhld Income	$51,069		$62,080		$65,110		$75,771		21.6%	16.4%
Median Hhld Income	$41,420		$48,263		$52,302		$64,020		16.5%	22.4%
Per Capita Income	$19,033		$24,197		$25,574		$30,417		27.1%	18.9%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 61: Employment J1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	3,239		2,904		3,379		3,198		-10.3%	10.1%
Total Labor Force	2,151	66.4%	1,919	66.1%	2,158	63.9%	2,074	64.9%	-10.8%	-3.9%
Civilian, Employed	2,112	98.2%	1,842	96.0%	2,095	97.1%	2,025	97.7%	-12.8%	-3.3%
Civilian, Unemployed	36	1.7%	74	3.9%	60	2.8%	46	2.2%	108.5%	-24.5%
In Armed Forces	4	0.2%	3	0.2%	3	0.1%	3	0.1%	-25.0%	0.0%
Not In Labor Force	1,087	33.6%	985	33.9%	1,221	36.1%	1,124	35.1%	-9.4%	-8.0%
% Blue Collar	771	36.5%	558	30.3%	639	30.5%	621	29.6%	-27.6%	-2.9%
% White Collar	1,340	63.5%	1,283	69.7%	1,456	69.5%	1,405	67.0%	-4.2%	-3.5%

Table 62: Housing Units J1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	1,666		1,522		1,743		1,679		-8.6%	-3.7%
Total Occupied Housing Units	n/a	n/a	1,404	92.2%	1,627	93.3%	1,565	93.2%	n/a	-3.8%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	549	39.1%	563	34.6%	533	34.1%	n/a	-5.3%
Owner Occupied: Owned free and clear	n/a	n/a	328	23.4%	410	25.2%	399	25.5%	n/a	-2.7%
Renter Occupied	n/a	n/a	527	37.5%	654	40.2%	632	40.4%	n/a	-3.3%
Vacant	82	4.9%	118	7.8%	116	6.7%	114	6.8%	43.6%	-2.0%

Total housing units decreased 8.6% from 2000 to 2010 and are expected to decrease another 3.7% through 2022 so residential development and residential construction related runoff pollutants are not likely to increase, especially if best management practices are not put in place to minimize the effects of the existing impervious area.

Table 63: Vehicles Available J1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	78	4.9%	50	3.6%	64	3.9%	63	4.0%	-35.7%	-1.3%
1 Vehicle Available	607	38.3%	459	32.7%	525	32.3%	502	32.1%	-24.4%	-4.3%
2+ Vehicles Available	899	56.8%	895	63.8%	1,038	63.8%	999	63.9%	-0.4%	-3.7%
Average Vehicles Per Household	1.70		1.91		1.90		1.90		14.7%	0.1%

The average number of vehicles per household increased by 14.7% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 64: Marital Status J1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	1,727	51.6%	1,386	46.8%	1,465	42.7%	1,374	42.2%	-19.7%	-6.2%
Married, Spouse Absent	149	4.5%	116	3.9%	115	3.3%	106	3.3%	-22.6%	-7.3%
Divorced	458	13.7%	477	16.1%	618	18.0%	594	18.2%	4.0%	-3.9%
Widowed	254	7.6%	234	7.9%	277	8.1%	261	8.0%	-7.8%	-6.0%
Never Married	758	22.6%	749	25.3%	956	27.9%	922	28.3%	-1.2%	-3.6%
Age 15+ Population	3,350		2,962		3,431		3,257		-11.6%	-5.1%

Table 65: Educational Attainment J1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	132	4.8%	54	2.1%	49	1.7%	46	1.6%	-59.2%	-6.2%
Grade 9 - 11	358	13.0%	294	11.7%	300	10.3%	279	10.1%	-17.8%	-7.1%
High School Graduate	843	30.7%	553	22.0%	734	25.1%	708	25.6%	-34.4%	-3.6%
Some College, No Degree	663	24.2%	590	23.5%	713	24.4%	673	24.4%	-11.0%	-5.6%
Associates Degree	221	8.1%	241	9.6%	249	8.5%	232	8.4%	9.2%	-7.0%
Bachelor's Degree	363	13.2%	528	21.0%	598	20.4%	561	20.3%	45.7%	-6.1%
Graduate Degree	163	5.9%	239	9.5%	272	9.3%	253	9.2%	46.6%	-6.9%
No Schooling Completed	5	0.2%	11	0.4%	11	0.4%	10	0.4%	135.0%	-9.2%
Age 25+ Population	2,748		2,512		2,925		2,761		-8.6%	-5.6%

Polecat Creek N Sub-Basin

The following tables show the current demographics for the Polecat Creek N sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 66: Population Demographics N Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	5,174		5,641		6,324		6,549		9.0%	3.6%
Population Density (Pop/Sq Mi)	361.19		419.33		441.46		457.18		16.1%	3.6%
Total Households	1,941		2,048		2,297		2,406		5.5%	4.7%
Population by Gender:										
Male	2,592	50.1%	2,885	51.1%	3,227	51.0%	3,337	51.0%	11.3%	3.4%
Female	2,582	49.9%	2,757	48.9%	3,097	49.0%	3,212	49.1%	6.8%	3.7%

The total population within this sub-basin increased 9.0% from 2000 to 2010 and is expected to increase another 3.6% from 2017 to 2022. The population density increased by 16.1% from 2000 to 2010, and is expected to increase by 3.6% from 2017 to 2022. Overall the population is growing steadily within this sub-basin.

Table 67: Population by Race N Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	4,258	82.3%	4,613	81.8%	5,134	81.2%	5,239	80.0%	8.3%	2.0%
Black	158	3.1%	156	2.8%	186	2.9%	198	3.0%	-1.0%	6.5%
American Indian or Alaska Native	328	6.3%	460	8.2%	513	8.1%	534	8.2%	40.4%	4.1%
Asian/Native Hawaiian/Other Pacific Islander	35	0.7%	53	0.9%	76	1.2%	91	1.4%	49.0%	19.2%
Some Other Race	36	0.7%	68	1.2%	88	1.4%	103	1.6%	90.6%	17.4%
Two or More Races	359	6.9%	291	5.2%	328	5.2%	385	5.9%	-19.0%	17.5%

Table 68: Population by Ethnicity N Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	176	3.4%	236	4.2%	308	4.9%	356	5.4%	34.4%	15.7%
Not Hispanic or Latino	4,999	96.6%	5,405	95.8%	6,016	95.1%	6,193	94.6%	8.1%	2.9%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 69: Population by Age N Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	330	6.4%	324	5.8%	339	5.4%	337	5.1%	-1.7%	-0.5%
5 to 14	816	15.8%	715	12.7%	788	12.5%	786	12.0%	-12.4%	-0.2%
15 to 19	391	7.6%	357	6.3%	360	5.7%	384	5.9%	-8.8%	6.8%
20 to 24	276	5.3%	317	5.6%	369	5.8%	387	5.9%	14.7%	5.1%
25 to 34	541	10.4%	637	11.3%	741	11.7%	776	11.8%	17.9%	4.8%
35 to 44	936	18.1%	724	12.8%	784	12.4%	799	12.2%	-22.7%	2.0%
45 to 54	877	17.0%	916	16.2%	907	14.3%	847	12.9%	4.4%	-6.6%
55 to 64	544	10.5%	761	13.5%	895	14.2%	921	14.1%	39.9%	2.9%
65 to 74	304	5.9%	442	7.8%	591	9.3%	699	10.7%	45.4%	18.2%
75 to 84	130	2.5%	312	5.5%	349	5.5%	399	6.1%	140.5%	14.4%
85+	30	0.6%	138	2.5%	203	3.2%	214	3.3%	354.6%	5.4%
Median Age:										
Total Population	38.0		41.6		42.3		42.7			

Polecat Creek at Hwy 117, 3-21-18

From 2000 to 2010 the most notable change is the big jump in the 85+ year age brackets.

Table 70: Households by Income N Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	293	15.1%	211	10.3%	208	9.1%	168	7.0%	-27.9%	-19.1%
$15,000 - $24,999	245	12.6%	201	9.8%	198	8.6%	176	7.3%	-18.1%	-10.7%
$25,000 - $34,999	318	16.4%	240	11.7%	217	9.5%	188	7.8%	-24.5%	-13.4%
$35,000 - $49,999	329	16.9%	327	15.9%	340	14.8%	306	12.7%	-0.7%	-10.0%
$50,000 - $74,999	389	20.0%	423	20.6%	488	21.2%	501	20.8%	8.8%	2.6%
$75,000 - $99,999	214	11.0%	297	14.5%	327	14.2%	377	15.7%	38.7%	15.2%
$100,000 - $149,999	122	6.3%	220	10.7%	285	12.4%	379	15.7%	80.2%	33.0%
$150,000 +	58	3.0%	129	6.3%	235	10.2%	311	12.9%	123.0%	32.3%
Average Hhld Income	$55,073		$72,306		$83,173		$95,688		31.3%	15.0%
Median Hhld Income	$38,954		$52,252		$59,091		$68,320		34.1%	15.6%
Per Capita Income	$20,658		$26,968		$30,850		$35,765		30.5%	15.9%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 71: Employment N Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	3,942		4,530		5,126		5,341		14.9%	17.9%
Total Labor Force	2,624	66.6%	2,913	64.3%	3,093	60.3%	3,186	59.7%	11.0%	3.0%
Civilian, Employed	2,507	95.5%	2,679	92.0%	2,933	94.8%	3,050	95.7%	6.9%	4.0%
Civilian, Unemployed	116	4.4%	232	8.0%	160	5.2%	136	4.3%	100.4%	-15.3%
In Armed Forces	1	0.0%	1	0.0%	0	0.0%	0	0.0%	-26.1%	11.6%
Not In Labor Force	1,319	33.5%	1,618	35.7%	2,032	39.7%	2,154	40.3%	22.7%	6.0%
% Blue Collar	935	37.2%	1,133	42.3%	1,251	42.7%	1,280	43.6%	21.2%	2.3%
% White Collar	1,580	62.8%	1,547	57.7%	1,682	57.3%	1,770	60.3%	-2.1%	5.2%

Table 72: Housing Units N Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	2,087		2,268		2,527		2,655		8.7%	5.1%
Total Occupied Housing Units	n/a	n/a	2,048	90.3%	2,297	90.9%	2,406	90.6%	n/a	4.7%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	998	48.7%	1,071	46.6%	1,122	46.6%	n/a	4.7%
Owner Occupied: Owned free and clear	n/a	n/a	629	30.7%	719	31.3%	742	30.9%	n/a	3.3%
Renter Occupied	n/a	n/a	422	20.6%	507	22.1%	541	22.5%	n/a	6.8%
Vacant	146	7.0%	220	9.7%	229	9.1%	249	9.4%	50.2%	8.6%

Total housing units increased 8.7% from 2000 to 2010 and are expected to increase another 5.1% through 2022 so residential development and residential construction related runoff pollutants are likely to increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 73: Vehicles Available N Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	66	3.4%	75	3.7%	85	3.7%	85	3.5%	13.4%	0.6%
1 Vehicle Available	527	27.2%	597	29.2%	677	29.5%	701	29.2%	13.2%	3.7%
2+ Vehicles Available	1,347	69.4%	1,376	67.2%	1,536	66.9%	1,619	67.3%	2.2%	5.4%
Average Vehicles Per Household	1.90		2.16		2.13		2.13		15.5%	0.0%

The average number of vehicles per household increased by 15.5% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 74: Marital Status N Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	2,542	63.1%	2,279	49.5%	2,641	50.8%	2,738	50.5%	-10.4%	3.7%
Married, Spouse Absent	82	2.0%	194	4.2%	202	3.9%	211	3.9%	136.9%	4.5%
Divorced	450	11.2%	701	15.2%	641	12.3%	662	12.2%	55.7%	3.3%
Widowed	178	4.4%	370	8.0%	398	7.7%	424	7.8%	107.9%	6.4%
Never Married	772	19.2%	1,058	23.0%	1,317	25.3%	1,392	25.7%	37.0%	5.7%
Age 15+ Population	4,028		4,602		5,198		5,426		14.2%	4.4%

Table 75: Educational Attainment N Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	217	6.5%	116	3.0%	109	2.4%	105	2.3%	-46.6%	-3.3%
Grade 9 - 11	416	12.4%	356	9.1%	379	8.5%	382	8.2%	-14.4%	0.6%
High School Graduate	1,170	34.9%	1,431	36.4%	1,556	34.8%	1,583	34.0%	22.3%	1.8%
Some College, No Degree	667	19.9%	844	21.5%	945	21.2%	985	21.2%	26.5%	4.2%
Associates Degree	265	7.9%	273	7.0%	315	7.0%	334	7.2%	3.2%	6.3%
Bachelor's Degree	392	11.7%	658	16.8%	828	18.5%	898	19.3%	67.8%	8.4%
Graduate Degree	199	5.9%	221	5.6%	303	6.8%	332	7.1%	11.1%	9.7%
No Schooling Completed	31	0.9%	30	0.8%	35	0.8%	35	0.8%	-2.8%	0.0%
Age 25+ Population	3,357		3,929		4,470		4,655		17.0%	4.1%

Polecat Creek P1 Sub-Basin

The following tables show the current demographics for the Polecat Creek P1 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 76: Population Demographics P1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	10,538		12,311		12,898		13,708		16.8%	6.3%
Population Density (Pop/Sq Mi)	89.49		89.06		109.53		116.41		-0.5%	6.3%
Total Households	3,759		4,455		4,669		4,999		18.5%	7.1%
Population by Gender:										
Male	5,324	50.5%	6,204	50.4%	6,505	50.4%	6,923	50.5%	16.5%	6.4%
Female	5,214	49.5%	6,107	49.6%	6,393	49.6%	6,785	49.5%	17.1%	6.1%

The total population within this sub-basin increased 16.8% from 2000 to 2010 and is expected to increase another 6.3% from 2017 to 2022. The population density decreased by 0.5% from 2000 to 2010, and is expected to increase by 6.3% from 2017 to 2022. Overall the population is growing within this sub-basin.

Table 77: Population by Race P1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	8,589	81.5%	9,502	77.2%	9,728	75.4%	10,077	73.5%	10.6%	3.6%
Black	130	1.2%	171	1.4%	198	1.5%	217	1.6%	31.4%	9.5%
American Indian or Alaska Native	952	9.0%	1,474	12.0%	1,548	12.0%	1,668	12.2%	54.9%	7.8%
Asian/Native Hawaiian/Other Pacific Islander	8	0.1%	47	0.4%	79	0.6%	91	0.7%	457.5%	15.3%
Some Other Race	120	1.1%	193	1.6%	266	2.1%	331	2.4%	60.7%	24.7%
Two or More Races	739	7.0%	924	7.5%	1,080	8.4%	1,324	9.7%	25.0%	22.5%

Table 78: Population by Ethnicity P1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	259	2.5%	477	3.9%	707	5.5%	874	6.4%	84.4%	23.6%
Not Hispanic or Latino	10,279	97.5%	11,834	96.1%	12,191	94.5%	12,834	93.6%	15.1%	5.3%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 79: Population by Age P1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	629	6.0%	823	6.7%	864	6.7%	885	6.5%	30.9%	2.5%
5 to 14	1,804	17.1%	1,889	15.3%	1,896	14.7%	1,910	13.9%	4.7%	0.7%
15 to 19	867	8.2%	881	7.2%	867	6.7%	920	6.7%	1.6%	6.1%
20 to 24	538	5.1%	673	5.5%	746	5.8%	804	5.9%	25.1%	7.8%
25 to 34	1,351	12.8%	1,517	12.3%	1,637	12.7%	1,718	12.5%	12.3%	5.0%
35 to 44	1,735	16.5%	1,604	13.0%	1,614	12.5%	1,746	12.7%	-7.6%	8.2%
45 to 54	1,483	14.1%	1,885	15.3%	1,747	13.5%	1,652	12.1%	27.1%	-5.4%
55 to 64	1,094	10.4%	1,533	12.5%	1,659	12.9%	1,758	12.8%	40.1%	6.0%
65 to 74	662	6.3%	985	8.0%	1,218	9.4%	1,446	10.5%	48.8%	18.7%
75 to 84	280	2.7%	422	3.4%	533	4.1%	729	5.3%	50.7%	36.9%
85+	97	0.9%	100	0.8%	118	0.9%	139	1.0%	3.3%	17.5%
Median Age:										
Total Population	35.5		37.5		37.8		38.5			

Polecat Creek at S. 49th W. Ave., 5-23-18

The median age within this sub-watershed has slowly increased. From 2000 to 2010 the most notable change is the jump in the 55 to 84 year age brackets. The 75 to 84 year age bracket is expected increase by the highest percentage from 2017 to 2022.

Table 80: Households by Income P1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	633	16.9%	700	15.7%	654	14.0%	580	11.6%	10.6%	-11.2%
$15,000 - $24,999	479	12.7%	534	12.0%	532	11.4%	517	10.3%	11.5%	-2.8%
$25,000 - $34,999	704	18.7%	524	11.8%	487	10.4%	462	9.2%	-25.6%	-5.2%
$35,000 - $49,999	846	22.5%	859	19.3%	830	17.8%	792	15.8%	1.6%	-4.6%
$50,000 - $74,999	708	18.8%	898	20.2%	981	21.0%	1,104	22.1%	26.9%	12.4%
$75,000 - $99,999	239	6.4%	498	11.2%	558	11.9%	680	13.6%	108.3%	22.0%
$100,000 - $149,999	103	2.8%	293	6.6%	399	8.5%	551	11.0%	183.3%	38.2%
$150,000 +	46	1.2%	149	3.3%	228	4.9%	312	6.2%	220.9%	37.1%
Average Hhld Income	$41,761		$55,029		$60,001		$67,599		31.8%	12.7%
Median Hhld Income	$35,977		$41,901		$46,617		$53,207		16.5%	14.1%
Per Capita Income	$14,896		$19,935		$21,743		$24,673		33.8%	13.5%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 81: Employment P1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	7,928		9,404		9,960		10,721		18.6%	14.0%
Total Labor Force	4,896	61.8%	5,759	61.2%	5,654	56.8%	5,925	55.3%	17.6%	4.8%
Civilian, Employed	4,692	95.8%	5,329	92.5%	5,385	95.3%	5,686	96.0%	13.6%	5.6%
Civilian, Unemployed	204	4.2%	429	7.5%	268	4.8%	238	4.0%	110.8%	-11.2%
In Armed Forces	0	0.0%	0	0.0%	0	0.0%	0	0.0%	-4.4%	0.0%
Not In Labor Force	3,032	38.2%	3,645	38.8%	4,306	43.2%	4,796	44.7%	20.2%	11.4%
% Blue Collar	2,463	52.8%	2,351	44.1%	2,396	44.5%	2,519	46.8%	-4.5%	5.1%
% White Collar	2,199	47.2%	2,978	55.9%	2,989	55.5%	3,168	58.8%	35.5%	6.0%

Table 82: Housing Units P1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	4,100		4,871		5,083		5,442		18.8%	7.0%
Total Occupied Housing Units	n/a	n/a	4,455	91.5%	4,669	91.9%	4,999	91.9%	n/a	7.1%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	2,267	50.9%	2,264	48.5%	2,427	48.5%	n/a	7.2%
Owner Occupied: Owned free and clear	n/a	n/a	1,313	29.5%	1,420	30.4%	1,518	30.4%	n/a	6.9%
Renter Occupied	n/a	n/a	875	19.6%	985	21.1%	1,054	21.1%	n/a	7.1%
Vacant	341	8.3%	416	8.5%	414	8.2%	443	8.1%	21.9%	6.9%

Total housing units increased 18.8% from 2000 to 2010 and are expected to increase another 7.0% through 2022 so residential development and residential construction related runoff pollutants are likely to increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 83: Vehicles Available P1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	170	4.5%	237	5.3%	249	5.3%	267	5.3%	39.1%	7.3%
1 Vehicle Available	1,020	27.1%	1,350	30.3%	1,424	30.5%	1,519	30.4%	32.4%	6.7%
2+ Vehicles Available	2,569	68.3%	2,868	64.4%	2,996	64.2%	3,213	64.3%	11.6%	7.2%
Average Vehicles Per Household	1.80		2.11		2.08		2.07		17.0%	-0.1%

The average number of vehicles per household increased by 17.0% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 84: Marital Status P1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	4,902	60.5%	5,346	55.7%	5,678	56.0%	6,059	55.5%	9.1%	6.7%
Married, Spouse Absent	221	2.7%	373	3.9%	348	3.4%	383	3.5%	68.7%	9.8%
Divorced	955	11.8%	1,257	13.1%	1,251	12.3%	1,354	12.4%	31.7%	8.2%
Widowed	469	5.8%	777	8.1%	679	6.7%	741	6.8%	65.5%	9.1%
Never Married	1,500	18.5%	1,845	19.2%	2,182	21.5%	2,376	21.8%	23.0%	8.9%
Age 15+ Population	8,105		9,599		10,139		10,913		18.4%	7.6%

Table 85: Educational Attainment P1 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	307	4.6%	236	2.9%	218	2.6%	229	2.5%	-23.1%	5.0%
Grade 9 - 11	1,072	16.1%	1,109	13.8%	1,074	12.6%	1,140	12.4%	3.4%	6.2%
High School Graduate	3,035	45.6%	3,548	44.1%	3,664	43.0%	3,930	42.8%	16.9%	7.3%
Some College, No Degree	1,275	19.2%	1,621	20.1%	1,850	21.7%	2,010	21.9%	27.2%	8.6%
Associates Degree	313	4.7%	553	6.9%	590	6.9%	642	7.0%	76.8%	8.7%
Bachelor's Degree	428	6.4%	746	9.3%	836	9.8%	913	9.9%	74.4%	9.1%
Graduate Degree	169	2.5%	152	1.9%	207	2.4%	231	2.5%	-10.2%	11.9%
No Schooling Completed	53	0.8%	81	1.0%	87	1.0%	94	1.0%	52.2%	8.3%
Age 25+ Population	6,652		8,045		8,526		9,189		20.9%	7.8%

Polecat Creek P2 Sub-Basin

The following tables show the current demographics for the Polecat Creek P2 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 86: Population Demographics P2 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	7,890		7,917		7,976		7,987		0.3%	0.1%
Population Density (Pop/Sq Mi)	536.85		637.33		542.66		543.39		18.7%	0.1%
Total Households	2,879		2,935		2,957		3,013		1.9%	1.9%
Population by Gender:										
Male	3,742	47.4%	3,863	48.8%	3,900	48.9%	3,903	48.9%	3.2%	0.1%
Female	4,149	52.6%	4,054	51.2%	4,075	51.1%	4,084	51.1%	-2.3%	0.2%

The total population within this sub-basin increased 0.3% from 2000 to 2010 and is expected to increase another 0.1% from 2017 to 2022. The population density increased by 18.7% from 2000 to 2010, and is expected to increase by 0.1% from 2017 to 2022. Overall the population is steady with a shift to urbanized areas.

Table 87: Population by Race P2 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	6,516	82.6%	6,236	78.8%	6,167	77.3%	6,071	76.0%	-4.3%	-1.6%
Black	292	3.7%	224	2.8%	253	3.2%	258	3.2%	-23.1%	2.0%
American Indian or Alaska Native	723	9.2%	853	10.8%	882	11.1%	898	11.3%	18.0%	1.9%
Asian/Native Hawaiian/Other Pacific Islander	1	0.0%	53	0.7%	88	1.1%	97	1.2%	7,414.5%	10.0%
Some Other Race	38	0.5%	105	1.3%	134	1.7%	151	1.9%	176.9%	12.3%
Two or More Races	321	4.1%	445	5.6%	452	5.7%	511	6.4%	38.6%	13.3%

Table 88: Population by Ethnicity P2 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	145	1.8%	302	3.8%	395	5.0%	447	5.6%	107.7%	13.1%
Not Hispanic or Latino	7,745	98.2%	7,615	96.2%	7,581	95.0%	7,540	94.4%	-1.7%	-0.5%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 89: Population by Age P2 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	582	7.4%	478	6.0%	481	6.0%	467	5.9%	-17.9%	-3.0%
5 to 14	1,131	14.3%	1,084	13.7%	1,049	13.1%	1,000	12.5%	-4.2%	-4.6%
15 to 19	487	6.2%	515	6.5%	503	6.3%	514	6.4%	5.6%	2.3%
20 to 24	423	5.4%	468	5.9%	499	6.3%	507	6.4%	10.5%	1.7%
25 to 34	986	12.5%	948	12.0%	1,014	12.7%	1,020	12.8%	-3.8%	0.7%
35 to 44	1,160	14.7%	993	12.5%	957	12.0%	945	11.8%	-14.4%	-1.2%
45 to 54	1,163	14.7%	1,180	14.9%	1,017	12.7%	922	11.5%	1.4%	-9.3%
55 to 64	725	9.2%	1,040	13.1%	1,060	13.3%	1,039	13.0%	43.3%	-2.0%
65 to 74	709	9.0%	641	8.1%	758	9.5%	874	10.9%	-9.6%	15.4%
75 to 84	381	4.8%	406	5.1%	426	5.3%	488	6.1%	6.6%	14.4%
85+	142	1.8%	166	2.1%	213	2.7%	209	2.6%	16.8%	-1.5%
Median Age:										
Total Population	38.1		39.7		39.6		40.2			

Polecat Creek
at Hwy 48,
3-21-18

The median age within this sub-watershed increased slowly from 2000 to 2010 and since then has remained steady. The most notable change is the jump in the 55 to 64 year age bracket from 2000 to 2010.

Table 90: Households by Income P2 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	530	18.4%	329	11.2%	326	11.0%	272	9.0%	-37.9%	-16.5%
$15,000 - $24,999	388	13.5%	368	12.5%	329	11.1%	294	9.8%	-5.2%	-10.7%
$25,000 - $34,999	539	18.7%	382	13.0%	319	10.8%	282	9.3%	-29.2%	-11.6%
$35,000 - $49,999	457	15.9%	497	16.9%	467	15.8%	427	14.2%	8.7%	-8.6%
$50,000 - $74,999	555	19.3%	553	18.8%	601	20.3%	629	20.9%	-0.3%	4.8%
$75,000 - $99,999	284	9.9%	405	13.8%	411	13.9%	458	15.2%	42.9%	11.2%
$100,000 - $149,999	113	3.9%	272	9.3%	311	10.5%	403	13.4%	140.1%	29.7%
$150,000 +	84	2.9%	129	4.4%	193	6.5%	248	8.2%	53.4%	28.3%
Average Hhld Income	$47,580		$61,677		$67,189		$76,178		29.6%	13.4%
Median Hhld Income	$35,458		$44,777		$51,432		$58,341		26.3%	13.4%
Per Capita Income	$17,363		$23,147		$25,185		$29,011		33.3%	15.2%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 91: Employment P2 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	6,088		6,258		6,333		6,408		2.8%	2.4%
Total Labor Force	3,743	61.5%	3,915	62.6%	3,690	58.3%	3,634	56.7%	4.6%	-1.5%
Civilian, Employed	3,569	95.4%	3,593	91.8%	3,484	94.4%	3,463	95.3%	0.7%	-0.6%
Civilian, Unemployed	160	4.3%	320	8.2%	204	5.5%	169	4.7%	100.3%	-17.1%
In Armed Forces	14	0.4%	2	0.1%	1	0.0%	1	0.0%	-87.1%	0.0%
Not In Labor Force	2,345	38.5%	2,343	37.4%	2,643	41.7%	2,774	43.3%	-0.1%	5.0%
% Blue Collar	1,378	38.5%	1,475	41.1%	1,480	42.5%	1,457	41.8%	7.0%	-1.6%
% White Collar	2,199	61.5%	2,118	58.9%	2,004	57.5%	2,006	57.6%	-3.7%	0.1%

Table 92: Housing Units P2 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	3,165		3,248		3,254		3,312		2.6%	1.8%
Total Occupied Housing Units	n/a	n/a	2,935	90.4%	2,957	90.9%	3,013	91.0%	n/a	1.9%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	1,350	46.0%	1,256	42.5%	1,274	42.3%	n/a	1.5%
Owner Occupied: Owned free and clear	n/a	n/a	788	26.9%	858	29.0%	877	29.1%	n/a	2.2%
Renter Occupied	n/a	n/a	797	27.1%	843	28.5%	861	28.6%	n/a	2.2%
Vacant	285	9.0%	313	9.6%	297	9.1%	299	9.0%	9.6%	0.6%

Total housing units increased 2.6% from 2000 to 2010 and are expected to increase another 1.8% through 2022 so residential development and residential construction related runoff pollutants are likely to remain steady.

Table 93: Vehicles Available P2 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	159	5.5%	200	6.8%	192	6.5%	188	6.2%	26.0%	-1.9%
1 Vehicle Available	942	32.7%	936	31.9%	960	32.5%	969	32.2%	-0.6%	1.0%
2+ Vehicles Available	1,779	61.8%	1,799	61.3%	1,806	61.1%	1,855	61.6%	1.1%	2.8%
Average Vehicles Per Household	1.70		2.07		2.03		2.04		23.1%	0.3%

The average number of vehicles per household increased by 23.1% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 94: Marital Status P2 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	3,705	60.0%	3,205	50.4%	3,184	49.4%	3,186	48.9%	-13.5%	0.1%
Married, Spouse Absent	258	4.2%	393	6.2%	288	4.5%	291	4.5%	52.3%	0.9%
Divorced	761	12.3%	866	13.6%	833	12.9%	839	12.9%	13.8%	0.7%
Widowed	474	7.7%	526	8.3%	579	9.0%	593	9.1%	11.0%	2.3%
Never Married	985	15.9%	1,365	21.5%	1,561	24.2%	1,611	24.7%	38.7%	3.2%
Age 15+ Population	6,177		6,355		6,446		6,519		2.9%	1.1%

Table 95: Educational Attainment P2 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	337	6.4%	169	3.1%	178	3.3%	178	3.2%	-49.7%	-0.4%
Grade 9 - 11	680	12.9%	498	9.3%	496	9.1%	489	8.9%	-26.8%	-1.6%
High School Graduate	1,868	35.4%	2,064	38.4%	2,097	38.5%	2,097	38.1%	10.5%	0.0%
Some College, No Degree	1,194	22.7%	1,168	21.7%	1,179	21.6%	1,191	21.7%	-2.2%	1.0%
Associates Degree	339	6.4%	454	8.4%	437	8.0%	441	8.0%	34.0%	0.9%
Bachelor's Degree	540	10.2%	789	14.7%	803	14.7%	836	15.2%	46.1%	4.1%
Graduate Degree	270	5.1%	193	3.6%	212	3.9%	226	4.1%	-28.4%	7.1%
No Schooling Completed	45	0.9%	37	0.7%	42	0.8%	41	0.7%	-16.9%	-3.3%
Age 25+ Population	5,272		5,372		5,444		5,498		1.9%	1.0%

Polecat Creek P3 Sub-Basin

The following tables show the current demographics for the Polecat Creek P3 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 96: Population Demographics P3 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	2,749		3,119		3,315		3,535		13.4%	6.6%
Population Density (Pop/Sq Mi)	273.62		394.54		329.93		351.84		44.2%	6.6%
Total Households	990		1,223		1,312		1,437		23.5%	9.5%
Population by Gender:										
Male	1,319	48.0%	1,536	49.3%	1,631	49.2%	1,750	49.5%	16.5%	7.3%
Female	1,431	52.0%	1,582	50.7%	1,684	50.8%	1,786	50.5%	10.6%	6.0%

The total population within this sub-basin increased 13.4% from 2000 to 2010 and is expected to increase another 6.6% from 2017 to 2022. The population density increased by 44.2% from 2000 to 2010, and is expected to increase by 6.6% from 2017 to 2022. Overall the population is growing steadily within this sub-basin and the population density is increasing.

Table 97: Population by Race P3 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	2,337	85.0%	2,667	85.5%	2,805	84.6%	2,934	83.0%	14.1%	4.6%
Black	84	3.1%	32	1.0%	37	1.1%	44	1.2%	-61.8%	18.2%
American Indian or Alaska Native	159	5.8%	214	6.9%	231	7.0%	253	7.2%	34.7%	9.5%
Asian/Native Hawaiian/Other Pacific Islander	0	0.0%	24	0.8%	35	1.1%	44	1.2%	5,605.4%	23.8%
Some Other Race	57	2.1%	33	1.1%	45	1.4%	57	1.6%	-42.1%	28.2%
Two or More Races	112	4.1%	148	4.7%	162	4.9%	203	5.8%	32.1%	25.8%

Table 98: Population by Ethnicity P3 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	60	2.2%	97	3.1%	124	3.7%	156	4.4%	61.2%	25.8%
Not Hispanic or Latino	2,689	97.8%	3,022	96.9%	3,191	96.3%	3,379	95.6%	12.4%	5.9%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 99: Population by Age P3 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	154	5.6%	146	4.7%	147	4.4%	159	4.5%	-5.6%	8.1%
5 to 14	570	20.7%	456	14.6%	462	13.9%	445	12.6%	-19.9%	-3.7%
15 to 19	255	9.3%	222	7.1%	233	7.0%	249	7.1%	-13.1%	6.8%
20 to 24	87	3.2%	127	4.1%	174	5.3%	211	6.0%	46.0%	21.3%
25 to 34	220	8.0%	267	8.6%	288	8.7%	328	9.3%	21.1%	13.9%
35 to 44	476	17.3%	383	12.3%	378	11.4%	394	11.2%	-19.7%	4.4%
45 to 54	449	16.3%	581	18.6%	514	15.5%	461	13.0%	29.5%	-10.2%
55 to 64	294	10.7%	500	16.0%	556	16.8%	564	16.0%	70.0%	1.5%
65 to 74	163	5.9%	286	9.2%	381	11.5%	472	13.3%	75.1%	23.8%
75 to 84	79	2.9%	126	4.0%	150	4.5%	211	6.0%	59.3%	40.6%
85+	1	0.1%	25	0.8%	33	1.0%	41	1.2%	1,726.1%	25.9%
Median Age:										
Total Population	37.6		44.1		44.4		44.6			

Polecat Creek at S. 33rd Ave. W., 5-23-18

The median age within this sub-watershed increased from 2000 to 2010, then stabilized.. From 2000 to 2010 the most notable change is the big jump in the 85+ year age bracket.

Table 100: Households by Income P3 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	89	8.9%	50	4.1%	45	3.4%	38	2.7%	-43.8%	-14.0%
$15,000 - $24,999	73	7.4%	85	7.0%	70	5.3%	62	4.3%	16.8%	-11.2%
$25,000 - $34,999	100	10.1%	90	7.3%	78	5.9%	70	4.8%	-10.4%	-10.3%
$35,000 - $49,999	158	16.0%	165	13.5%	150	11.4%	135	9.4%	4.2%	-10.1%
$50,000 - $74,999	181	18.3%	257	21.0%	269	20.5%	281	19.6%	42.0%	4.4%
$75,000 - $99,999	171	17.3%	256	21.0%	251	19.1%	277	19.3%	49.7%	10.4%
$100,000 - $149,999	107	10.8%	179	14.6%	230	17.6%	297	20.7%	67.1%	28.9%
$150,000 +	78	7.9%	141	11.6%	220	16.7%	277	19.3%	80.8%	26.1%
Average Hhld Income	$69,830		$94,190		$104,790		$115,229		34.9%	10.0%
Median Hhld Income	$57,283		$70,122		$79,272		$86,422		22.4%	9.0%
Per Capita Income	$25,141		$36,929		$41,489		$46,846		46.9%	12.9%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 101: Employment P3 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	1,973		2,477		2,658		2,877		25.5%	16.2%
Total Labor Force	1,345	68.2%	1,661	67.1%	1,668	62.8%	1,775	61.7%	23.5%	6.4%
Civilian, Employed	1,290	95.9%	1,546	93.1%	1,591	95.3%	1,707	96.2%	19.8%	7.3%
Civilian, Unemployed	48	3.6%	114	6.8%	76	4.6%	67	3.8%	134.9%	-12.5%
In Armed Forces	6	0.5%	2	0.1%	2	0.1%	2	0.1%	-70.0%	5.4%
Not In Labor Force	628	31.8%	815	32.9%	990	37.2%	1,101	38.3%	29.9%	11.3%
% Blue Collar	331	25.6%	393	25.4%	408	25.6%	439	27.6%	18.7%	7.6%
% White Collar	963	74.4%	1,153	74.6%	1,183	74.4%	1,268	79.7%	19.7%	7.2%

Table 102: Housing Units P3 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	1,033		1,305		1,399		1,543		26.4%	10.3%
Total Occupied Housing Units	n/a	n/a	1,223	93.7%	1,312	93.8%	1,437	93.1%	n/a	9.5%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	783	64.1%	811	61.8%	885	61.5%	n/a	9.0%
Owner Occupied: Owned free and clear	n/a	n/a	320	26.2%	362	27.6%	388	27.0%	n/a	6.9%
Renter Occupied	n/a	n/a	119	9.7%	139	10.6%	165	11.5%	n/a	18.9%
Vacant	43	4.2%	82	6.3%	86	6.2%	106	6.9%	92.0%	23.0%

Total housing units increased 26.4% from 2000 to 2010 and are expected to increase another 10.3% through 2022 so residential development and residential construction related runoff pollutants are likely to increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 103: Vehicles Available P3 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	22	2.3%	12	1.0%	13	1.0%	14	1.0%	-45.6%	10.5%
1 Vehicle Available	222	22.5%	206	16.8%	232	17.7%	258	17.9%	-7.4%	11.1%
2+ Vehicles Available	745	75.3%	1,005	82.2%	1,067	81.3%	1,165	81.1%	34.8%	9.1%
Average Vehicles Per Household	2.20		2.43		2.37		2.35		11.9%	-0.7%

The average number of vehicles per household increased by 11.9% from 2000 to 2010, then leveled off and is expected to remain relatively constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 104: Marital Status P3 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	1,398	69.0%	1,553	61.7%	1,723	63.7%	1,817	62.0%	11.1%	5.5%
Married, Spouse Absent	37	1.8%	68	2.7%	93	3.4%	105	3.6%	86.1%	13.7%
Divorced	140	6.9%	246	9.8%	218	8.1%	249	8.5%	75.5%	14.2%
Widowed	76	3.7%	151	6.0%	134	4.9%	151	5.1%	99.1%	12.7%
Never Married	380	18.7%	498	19.8%	539	19.9%	610	20.8%	31.2%	13.0%
Age 15+ Population	2,025		2,517		2,706		2,931		24.2%	8.3%

Table 105: Educational Attainment P3 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	29	1.7%	31	1.4%	28	1.2%	29	1.2%	4.6%	2.5%
Grade 9 - 11	128	7.6%	115	5.3%	117	5.1%	125	5.1%	-9.8%	7.3%
High School Graduate	426	25.3%	569	26.3%	589	25.6%	633	25.6%	33.7%	7.5%
Some College, No Degree	421	25.0%	436	20.1%	453	19.7%	485	19.6%	3.7%	6.9%
Associates Degree	154	9.1%	201	9.3%	198	8.6%	214	8.7%	30.2%	8.0%
Bachelor's Degree	287	17.1%	619	28.5%	674	29.3%	725	29.4%	115.2%	7.6%
Graduate Degree	224	13.3%	192	8.9%	233	10.2%	254	10.3%	-14.4%	8.8%
No Schooling Completed	16	1.0%	5	0.2%	5	0.2%	5	0.2%	-68.1%	0.0%
Age 25+ Population	1,686		2,168		2,299		2,471		28.6%	7.5%

Polecat Creek P4 Sub-Basin

The following tables show the current demographics for the Polecat Creek P4 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 106: Population Demographics P4 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population	514		987		1,325		1,645		91.8%	24.1%
Population Density (Pop/Sq Mi)	308.59		773.28		794.95		986.87		150.6%	24.1%
Total Households	194		361		485		610		86.1%	25.7%
Population by Gender:										
Male	256	49.8%	488	49.4%	658	49.7%	824	50.1%	90.3%	25.2%
Female	258	50.2%	499	50.6%	667	50.3%	821	49.9%	93.3%	23.1%

The total population within this sub-basin increased 91.8% from 2000 to 2010 and is expected to increase another 24.1% from 2017 to 2022. The population density increased by 150.6% from 2000 to 2010, and is expected to increase by 24.1% from 2017 to 2022. Overall the population and density is growing rapidly within this sub-basin.

Table 107: Population by Race P4 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
White	450	87.4%	787	79.8%	1,033	77.9%	1,251	76.1%	75.0%	21.2%
Black	5	1.0%	35	3.5%	47	3.5%	59	3.6%	575.0%	27.2%
American Indian or Alaska Native	30	5.8%	47	4.7%	61	4.6%	77	4.7%	56.1%	25.5%
Asian/Native Hawaiian/Other Pacific Islander	1	0.2%	32	3.3%	53	4.0%	71	4.3%	2,920.0%	34.3%
Some Other Race	8	1.6%	28	2.9%	41	3.1%	57	3.5%	247.4%	38.9%
Two or More Races	21	4.0%	58	5.8%	91	6.8%	130	7.9%	180.2%	43.0%

Table 108: Population by Ethnicity P4 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	20	3.9%	58	5.8%	84	6.3%	116	7.1%	186.2%	38.4%
Not Hispanic or Latino	494	96.1%	929	94.2%	1,241	93.7%	1,529	93.0%	87.9%	23.2%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 109: Population by Age P4 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	42	8.1%	94	9.5%	113	8.5%	133	8.1%	124.1%	17.9%
5 to 14	94	18.3%	180	18.3%	270	20.4%	312	19.0%	92.0%	15.6%
15 to 19	39	7.7%	58	5.9%	93	7.0%	125	7.6%	47.3%	34.4%
20 to 24	15	2.8%	36	3.7%	56	4.2%	81	4.9%	148.5%	44.3%
25 to 34	87	16.8%	155	15.7%	168	12.7%	190	11.5%	78.5%	12.9%
35 to 44	101	19.5%	176	17.9%	223	16.8%	276	16.8%	75.3%	23.9%
45 to 54	74	14.4%	122	12.4%	154	11.6%	189	11.5%	64.9%	23.2%
55 to 64	30	5.8%	85	8.6%	118	8.9%	143	8.7%	182.9%	21.7%
65 to 74	27	5.2%	47	4.8%	86	6.5%	128	7.8%	75.2%	50.1%
75 to 84	5	0.9%	27	2.8%	36	2.7%	54	3.3%	477.3%	51.5%
85+	2	0.4%	6	0.6%	10	0.8%	14	0.8%	222.2%	34.0%
Median Age:										
Total Population	33.0		33.4		33.3		34.3			

Polecat Creek at S. 49th W. Ave., 5-23-18

The median age within this sub-watershed has remained relatively constant. From 2000 to 2010 the most notable change is the big jump in the 75 to 84 and 85+ year age brackets.

Table 110: Households by Income P4 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	5	2.6%	14	3.8%	13	2.7%	12	2.0%	172.7%	-6.9%
$15,000 - $24,999	13	6.8%	13	3.7%	21	4.4%	20	3.3%	0.0%	-5.4%
$25,000 - $34,999	26	13.3%	21	5.8%	19	4.0%	19	3.2%	-19.5%	-1.2%
$35,000 - $49,999	28	14.5%	36	9.9%	46	9.5%	45	7.4%	26.8%	-1.5%
$50,000 - $74,999	50	26.0%	76	21.1%	96	19.8%	106	17.4%	51.4%	10.3%
$75,000 - $99,999	38	19.6%	79	21.8%	91	18.9%	116	19.0%	107.2%	26.8%
$100,000 - $149,999	19	9.7%	80	22.1%	123	25.3%	178	29.2%	325.6%	44.8%
$150,000 +	7	3.5%	42	11.7%	75	15.4%	113	18.6%	516.7%	51.5%
Average Hhld Income	$67,365		$103,917		$107,944		$120,082		54.3%	11.2%
Median Hhld Income	$64,903		$81,460		$87,328		$96,926		25.5%	11.0%
Per Capita Income	$25,412		$38,032		$39,508		$44,517		49.7%	12.7%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 111: Employment P4 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	372		700		921		1,172		88.0%	67.6%
Total Labor Force	276	74.1%	506	72.4%	642	69.7%	826	70.5%	83.6%	28.7%
Civilian, Employed	270	97.9%	489	96.5%	629	97.9%	813	98.3%	81.0%	29.3%
Civilian, Unemployed	5	1.7%	17	3.4%	13	2.0%	13	1.6%	259.1%	1.7%
In Armed Forces	1	0.4%	1	0.1%	1	0.1%	1	0.1%	-40.0%	33.3%
Not In Labor Force	96	25.9%	193	27.6%	279	30.3%	346	29.5%	100.7%	24.1%
% Blue Collar	70	26.4%	108	22.2%	140	22.2%	181	28.8%	54.4%	29.4%
% White Collar	195	73.6%	380	77.8%	489	77.8%	632	100.5 %	94.9%	29.2%

Table 112: Housing Units P4 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	201		409		547		695		103.8%	27.0%
Total Occupied Housing Units	n/a	n/a	361	88.3%	485	88.7%	610	87.8%	n/a	25.7%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	281	77.9%	368	75.8%	461	75.5%	n/a	25.3%
Owner Occupied: Owned free and clear	n/a	n/a	52	14.4%	71	14.6%	90	14.7%	n/a	26.1%
Renter Occupied	n/a	n/a	28	7.7%	47	9.6%	60	9.8%	n/a	28.6%
Vacant	7	3.3%	48	11.7%	62	11.4%	85	12.2%	620.7%	36.9%

Total housing units increased 103.8% from 2000 to 2010 and are expected to increase another 27.0% through 2022 so residential development and residential construction related runoff pollutants are likely to increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 113: Vehicles Available P4 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	1	0.6%	6	1.7%	7	1.4%	8	1.4%	420.0%	23.3%
1 Vehicle Available	33	16.8%	62	17.3%	87	18.0%	110	18.1%	91.5%	26.5%
2+ Vehicles Available	160	82.6%	293	81.1%	391	80.6%	491	80.5%	82.6%	25.6%
Average Vehicles Per Household	2.10		2.22		2.18		2.17		6.6%	-0.4%

The average number of vehicles per household increased by 6.6% from 2000 to 2010, then leveled off and is expected to remain relatively constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 114: Marital Status P4 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	263	69.4%	462	64.8%	621	65.9%	775	64.6%	75.6%	24.9%
Married, Spouse Absent	5	1.3%	10	1.4%	28	2.9%	37	3.1%	95.7%	34.9%
Divorced	30	8.0%	78	10.9%	83	8.8%	109	9.1%	157.4%	31.3%
Widowed	12	3.2%	21	2.9%	36	3.8%	47	3.9%	71.4%	32.5%
Never Married	63	16.7%	143	20.0%	175	18.6%	231	19.3%	126.5%	31.9%
Age 15+ Population	379		713		942		1,200		88.2%	27.3%

Table 115: Educational Attainment P4 Sub-Basin

	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	6	2.0%	2	0.3%	6	0.8%	8	0.8%	-65.5%	31.0%
Grade 9 - 11	20	6.3%	23	3.6%	26	3.3%	32	3.3%	12.9%	23.8%
High School Graduate	61	19.2%	98	15.8%	131	16.6%	165	16.6%	59.1%	25.8%
Some College, No Degree	82	25.6%	134	21.7%	152	19.2%	188	18.9%	64.6%	23.3%
Associates Degree	24	7.6%	91	14.7%	97	12.2%	119	11.9%	276.1%	22.3%
Bachelor's Degree	84	26.5%	199	32.1%	273	34.4%	344	34.7%	135.0%	26.3%
Graduate Degree	40	12.5%	71	11.6%	107	13.5%	137	13.8%	79.0%	27.9%
No Schooling Completed	1	0.3%	0	0.1%	0	0.1%	0	0.0%	-60.0%	0.0%
Age 25+ Population	319		618		793		994		93.9%	25.3%

Polecat Creek P5 Sub-Basin

The following tables show the current demographics for the Polecat Creek P5 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 116: Population Demographics P5 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Population	707		1,636		1,955		2,370		131.4%	21.3%
Population Density (Pop/Sq Mi)	242.56		894.45		670.52		813.06		268.8%	21.3%
Total Households	301		634		757		911		110.5%	20.4%
Population by Gender:										
Male	347	49.1%	807	49.4%	966	49.4%	1,188	50.1%	132.6%	22.9%
Female	360	50.9%	829	50.7%	988	50.6%	1,182	49.9%	130.1%	19.6%

The total population within this sub-basin increased 131.4% from 2000 to 2010 and is expected to increase another 21.3% from 2017 to 2022. The population density increased by 268.8% from 2000 to 2010, and is expected to increase by 21.3% from 2017 to 2022. The population is growing fast within this sub-basin.

Table 117: Population by Race P5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
White	624	88.2%	1,372	83.9%	1,624	83.1%	1,943	82.0%	120.0%	19.7%
Black	13	1.8%	40	2.4%	51	2.6%	64	2.7%	212.2%	24.5%
American Indian or Alaska Native	41	5.8%	98	6.0%	118	6.1%	147	6.2%	140.9%	24.0%
Asian/Native Hawaiian/Other Pacific Islander	2	0.3%	41	2.5%	62	3.2%	83	3.5%	2,235.5%	33.6%
Some Other Race	10	1.4%	15	0.9%	18	0.9%	22	0.9%	55.4%	23.7%
Two or More Races	18	2.6%	69	4.2%	82	4.2%	113	4.8%	278.3%	37.2%

Table 118: Population by Ethnicity P5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	21	3.0%	55	3.4%	67	3.4%	87	3.7%	163.8%	31.0%
Not Hispanic or Latino	686	97.0%	1,581	96.6%	1,888	96.6%	2,283	96.3%	130.4%	20.9%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 119: Population by Age P5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	49	7.0%	127	7.7%	148	7.6%	180	7.6%	155.7%	21.6%
5 to 14	119	16.8%	300	18.3%	334	17.1%	370	15.6%	152.2%	10.8%
15 to 19	64	9.1%	119	7.3%	160	8.2%	193	8.2%	84.7%	20.7%
20 to 24	21	3.0%	58	3.5%	85	4.3%	127	5.4%	174.4%	50.1%
25 to 34	81	11.5%	224	13.7%	224	11.5%	252	10.6%	175.1%	12.4%
35 to 44	140	19.8%	240	14.7%	280	14.3%	336	14.2%	71.3%	20.2%
45 to 54	122	17.2%	257	15.7%	274	14.0%	304	12.8%	110.8%	10.8%
55 to 64	63	8.9%	186	11.4%	258	13.2%	316	13.3%	197.2%	22.6%
65 to 74	32	4.5%	77	4.7%	126	6.5%	195	8.2%	142.2%	54.0%
75 to 84	10	1.4%	38	2.3%	50	2.5%	78	3.3%	271.0%	57.0%
85+	5	0.8%	12	0.7%	15	0.8%	18	0.8%	113.5%	21.1%
Median Age:										
Total Population	36.3		34.7		35.9		36.9			

The median age within this sub-watershed has remained steady. From 2000 to 2010 the percent increase went up significantly in all age brackets.

Table 120: Households by Income P5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	13	4.3%	14	2.3%	15	2.0%	12	1.4%	11.3%	-19.7%
$15,000 - $24,999	25	8.4%	23	3.6%	25	3.3%	20	2.3%	-9.6%	-17.7%
$25,000 - $34,999	40	13.4%	40	6.3%	35	4.7%	32	3.5%	-1.0%	-10.5%
$35,000 - $49,999	49	16.3%	70	11.0%	74	9.8%	69	7.6%	42.4%	-7.0%
$50,000 - $74,999	83	27.5%	127	20.0%	139	18.3%	146	16.0%	53.0%	5.1%
$75,000 - $99,999	51	17.0%	126	19.9%	138	18.3%	166	18.3%	145.1%	20.2%
$100,000 - $149,999	37	12.2%	154	24.3%	190	25.1%	264	29.0%	321.1%	39.4%
$150,000 +	14	4.5%	80	12.6%	140	18.5%	201	22.0%	487.4%	43.3%
Average Hhld Income	$71,123		$103,400		$113,156		$126,774		45.4%	12.0%
Median Hhld Income	$59,878		$83,632		$91,085		$101,370		39.7%	11.3%
Per Capita Income	$30,290		$40,238		$43,955		$48,839		32.8%	11.1%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 121: Employment P5 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	523		1,179		1,435		1,779		125.7%	50.9%
Total Labor Force	380	72.8%	838	71.1%	973	67.8%	1,222	68.7%	120.3%	25.6%
Civilian, Employed	372	97.8%	811	96.7%	952	97.9%	1,202	98.3%	117.9%	26.2%
Civilian, Unemployed	8	2.0%	27	3.2%	20	2.1%	20	1.6%	246.2%	-0.9%
In Armed Forces	1	0.1%	0	0.1%	0	0.1%	0	0.0%	-13.5%	0.0%
Not In Labor Force	142	27.2%	341	28.9%	462	32.2%	557	31.3%	139.9%	20.6%
% Blue Collar	107	28.2%	189	23.3%	211	22.2%	264	27.7%	75.8%	25.1%
% White Collar	274	71.9%	622	76.7%	741	77.8%	938	98.5%	126.9%	26.5%

Table 122: Housing Units P5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	312		662		782		940		112.0%	20.2%
Total Occupied Housing Units	n/a	n/a	634	95.7%	757	96.7%	911	96.9%	n/a	20.4%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	464	73.2%	538	71.1%	652	71.6%	n/a	21.3%
Owner Occupied: Owned free and clear	n/a	n/a	81	12.8%	108	14.3%	131	14.3%	n/a	20.6%
Renter Occupied	n/a	n/a	88	13.9%	111	14.6%	128	14.1%	n/a	15.7%
Vacant	11	3.6%	28	4.3%	26	3.3%	30	3.1%	154.5%	14.9%

Total housing units increased 112.0% from 2000 to 2010 and are expected to increase another 20.2% through 2022 so residential development and residential construction related runoff pollutants are likely to increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 123: Vehicles Available P5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	7	2.3%	8	1.3%	10	1.4%	13	1.4%	15.6%	21.9%
1 Vehicle Available	78	25.9%	105	16.5%	128	16.9%	148	16.3%	33.9%	15.8%
2+ Vehicles Available	216	71.8%	521	82.3%	618	81.7%	750	82.3%	141.1%	21.3%
Average Vehicles Per Household	1.90		2.23		2.22		2.23		15.6%	0.5%

The average number of vehicles per household increased by 15.6% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 124: Marital Status P5 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	367	68.1%	768	63.5%	943	64.0%	1,155	63.5%	109.2%	22.5%
Married, Spouse Absent	15	2.8%	26	2.1%	26	1.8%	31	1.7%	71.1%	21.2%
Divorced	50	9.4%	104	8.6%	149	10.2%	186	10.2%	105.2%	24.3%
Widowed	15	2.8%	45	3.8%	58	3.9%	74	4.1%	198.1%	27.7%
Never Married	100	18.6%	267	22.1%	297	20.1%	374	20.6%	167.2%	26.1%
Age 15+ Population	539		1,210		1,472		1,820		124.5%	23.6%

Table 125: Educational Attainment P5 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	8	1.6%	2	0.2%	2	0.2%	3	0.2%	-70.4%	26.7%
Grade 9 - 11	26	5.6%	29	2.8%	27	2.2%	31	2.1%	12.0%	15.3%
High School Graduate	95	20.5%	167	16.1%	192	15.6%	232	15.5%	75.4%	20.7%
Some College, No Degree	121	26.1%	225	21.8%	273	22.2%	331	22.1%	86.4%	21.6%
Associates Degree	37	8.0%	146	14.1%	157	12.8%	191	12.7%	293.9%	21.2%
Bachelor's Degree	124	26.7%	332	32.1%	385	31.4%	471	31.4%	167.8%	22.3%
Graduate Degree	53	11.3%	132	12.7%	191	15.5%	240	16.0%	150.4%	25.8%
No Schooling Completed	1	0.2%	0	0.0%	1	0.1%	1	0.1%	-56.3%	16.2%
Age 25+ Population	464		1,033		1,227		1,499		122.8%	22.1%

Polecat Creek R1 Sub-Basin

The following tables show the current demographics for the Polecat Creek R1 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 126: Population Demographics R1 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Population	3,913		4,039		4,092		4,202		3.2%	2.7%
Population Density (Pop/Sq Mi)	98.09		131.44		102.57		105.33		34.0%	2.7%
Total Households	1,375		1,467		1,486		1,545		6.7%	4.0%
Population by Gender:										
Male	1,943	49.7%	2,071	51.3%	2,110	51.6%	2,169	51.6%	6.6%	2.8%
Female	1,970	50.3%	1,968	48.7%	1,982	48.4%	2,033	48.4%	-0.1%	2.6%

Oil & gas production in Polecat Creek watershed, 3-21-18

Table 127: Population by Race R1 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
White	3,284	83.9%	3,249	80.4%	3,241	79.2%	3,265	77.7%	-1.1%	0.7%
Black	96	2.5%	64	1.6%	72	1.8%	75	1.8%	-33.3%	4.4%
American Indian or Alaska Native	302	7.7%	415	10.3%	435	10.6%	459	10.9%	37.3%	5.6%
Asian/Native Hawaiian/Other Pacific Islander	2	0.1%	9	0.2%	11	0.3%	11	0.3%	353.5%	1.3%
Some Other Race	7	0.2%	43	1.1%	56	1.4%	65	1.5%	540.4%	15.9%
Two or More Races	223	5.7%	259	6.4%	278	6.8%	327	7.8%	16.3%	17.9%

Table 128: Population by Ethnicity R1 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	49	1.3%	123	3.0%	155	3.8%	180	4.3%	148.8%	15.7%
Not Hispanic or Latino	3,864	98.7%	3,916	97.0%	3,937	96.2%	4,022	95.7%	1.4%	2.2%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 129: Population by Age R1 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	263	6.7%	226	5.6%	225	5.5%	225	5.4%	-14.2%	0.2%
5 to 14	636	16.2%	549	13.6%	515	12.6%	482	11.5%	-13.7%	-6.3%
15 to 19	335	8.6%	297	7.3%	297	7.3%	300	7.1%	-11.5%	1.1%
20 to 24	209	5.3%	203	5.0%	231	5.7%	255	6.1%	-3.0%	10.4%
25 to 34	487	12.4%	388	9.6%	408	10.0%	439	10.5%	-20.3%	7.7%
35 to 44	633	16.2%	530	13.1%	480	11.7%	472	11.2%	-16.3%	-1.6%
45 to 54	587	15.0%	705	17.5%	597	14.6%	529	12.6%	20.0%	-11.4%
55 to 64	421	10.7%	619	15.3%	661	16.2%	650	15.5%	47.2%	-1.6%
65 to 74	250	6.4%	352	8.7%	473	11.6%	571	13.6%	40.6%	20.8%
75 to 84	79	2.0%	140	3.5%	164	4.0%	229	5.4%	76.0%	39.3%
85+	13	0.3%	32	0.8%	42	1.0%	48	1.2%	146.1%	15.5%
Median Age:										
Total Population	35.5		42.0		42.9		43.5			

The median age within this sub-watershed is increasing. From 2000 to 2010 the most notable change is the big jump in the 85+ year age brackets. The 75 to 84 year age bracket is expected increase by the highest percentage from 2017 to 2022.

Deep Creek along Hwy 33 on 3-21-18,
a tributary of Polecat Creek

Table 130: Households by Income R1 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	189	13.7%	105	7.1%	107	7.2%	91	5.9%	-44.5%	-15.5%
$15,000 - $24,999	158	11.5%	170	11.6%	155	10.5%	134	8.7%	7.4%	-13.8%
$25,000 - $34,999	253	18.4%	192	13.1%	150	10.1%	136	8.8%	-24.3%	-9.4%
$35,000 - $49,999	241	17.5%	235	16.0%	221	14.9%	201	13.0%	-2.4%	-9.0%
$50,000 - $74,999	335	24.4%	340	23.2%	354	23.8%	364	23.6%	1.5%	3.1%
$75,000 - $99,999	145	10.6%	202	13.8%	212	14.2%	242	15.7%	38.9%	14.6%
$100,000 - $149,999	22	1.6%	191	13.0%	234	15.8%	299	19.4%	778.8%	27.8%
$150,000 +	25	1.8%	33	2.2%	52	3.5%	77	5.0%	31.8%	46.2%
Average Hhld Income	$46,127		$61,807		$67,024		$75,047		34.0%	12.0%
Median Hhld Income	$38,611		$52,046		$56,640		$64,067		34.8%	13.1%
Per Capita Income	$16,213		$22,456		$24,340		$27,592		38.5%	13.4%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 131: Employment R1 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	2,953		3,200		3,288		3,433		8.4%	7.3%
Total Labor Force	1,925	65.2%	2,061	64.4%	1,981	60.3%	2,044	59.6%	7.1%	3.2%
Civilian, Employed	1,837	95.5%	1,896	92.0%	1,877	94.7%	1,955	95.6%	3.2%	4.2%
Civilian, Unemployed	86	4.5%	165	8.0%	104	5.3%	89	4.4%	92.8%	-14.5%
In Armed Forces	2	0.1%	0	0.0%	0	0.0%	0	0.0%	-100.0%	N/A%
Not In Labor Force	1,028	34.8%	1,139	35.6%	1,307	39.8%	1,388	40.5%	10.8%	6.2%
% Blue Collar	850	46.0%	842	44.4%	861	45.9%	899	47.9%	-0.9%	4.5%
% White Collar	998	54.0%	1,053	55.6%	1,016	54.1%	1,056	56.3%	5.6%	3.9%

Table 132: Housing Units R1 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	1,520		1,602		1,610		1,672		5.4%	3.8%
Total Occupied Housing Units	n/a	n/a	1,467	91.6%	1,486	92.3%	1,545	92.4%	n/a	4.0%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	763	52.0%	733	49.4%	759	49.1%	n/a	3.5%
Owner Occupied: Owned free and clear	n/a	n/a	497	33.9%	538	36.2%	563	36.4%	n/a	4.6%
Renter Occupied	n/a	n/a	206	14.1%	215	14.4%	223	14.4%	n/a	4.0%
Vacant	145	9.5%	135	8.4%	125	7.7%	127	7.6%	-6.9%	2.1%

Total housing units increased 5.4% from 2000 to 2010 and are expected to increase another 3.8% through 2022 so residential development and residential construction related runoff pollutants are not likely to significantly increase within this sub-watershed.

Table 133: Vehicles Available R1 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	39	2.8%	32	2.2%	33	2.2%	34	2.2%	-18.0%	1.8%
1 Vehicle Available	314	22.8%	344	23.5%	359	24.2%	374	24.2%	9.7%	4.1%
2+ Vehicles Available	1,023	74.4%	1,091	74.4%	1,093	73.6%	1,137	73.6%	6.7%	4.0%
Average Vehicles Per Household	1.90		2.26		2.24		2.24		18.1%	0.0%

The average number of vehicles per household increased by 18.1% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 134: Marital Status R1 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	1,922	63.8%	1,925	59.0%	1,934	57.7%	1,993	57.0%	0.1%	3.1%
Married, Spouse Absent	68	2.3%	77	2.4%	104	3.1%	111	3.2%	12.9%	7.1%
Divorced	300	9.9%	400	12.3%	373	11.1%	392	11.2%	33.6%	5.1%
Widowed	168	5.6%	153	4.7%	191	5.7%	201	5.8%	-9.3%	5.4%
Never Married	574	19.1%	709	21.7%	751	22.4%	797	22.8%	23.6%	6.1%
Age 15+ Population	3,014		3,264		3,353		3,495		8.3%	4.2%

Table 135: Educational Attainment R1 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	124	5.0%	75	2.7%	70	2.5%	72	2.4%	-39.5%	2.8%
Grade 9 - 11	401	16.2%	296	10.7%	285	10.1%	293	10.0%	-26.2%	2.9%
High School Graduate	1,062	42.8%	1,116	40.4%	1,138	40.3%	1,183	40.2%	5.1%	3.9%
Some College, No Degree	520	21.0%	693	25.0%	694	24.6%	724	24.6%	33.3%	4.2%
Associates Degree	135	5.4%	228	8.3%	244	8.6%	257	8.7%	69.5%	5.4%
Bachelor's Degree	138	5.6%	249	9.0%	271	9.6%	282	9.6%	80.4%	4.1%
Graduate Degree	92	3.7%	97	3.5%	109	3.9%	115	3.9%	5.6%	5.1%
No Schooling Completed	9	0.4%	12	0.4%	13	0.5%	14	0.5%	34.1%	3.3%
Age 25+ Population	2,480		2,765		2,824		2,939		11.5%	4.1%

Polecat Creek R2 Sub-Basin

The following tables show the current demographics for the Polecat Creek R2 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 136: Population Demographics R2 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Population	1,059		1,036		1,018		994		-2.2%	-2.4%
Population Density (Pop/Sq Mi)	237.84		391.72		228.66		223.20		64.7%	-2.4%
Total Households	364		384		376		374		5.3%	-0.5%
Population by Gender:										
Male	545	51.4%	508	49.0%	506	49.7%	500	50.3%	-6.8%	-1.3%
Female	515	48.6%	528	51.0%	512	50.3%	494	49.7%	2.6%	-3.5%

The population within this sub-basin has steadily decreased (-2.2%) from 2000 to 2010 and is expected to decrease another 2.4% from 2017 to 2022. The population density increased by 64.7% from 2000 to 2010, and is expected to decrease by 2.4% from 2017 to 2022.

Table 137: Population by Race R2 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
White	690	65.1%	740	71.4%	683	67.1%	644	64.8%	7.2%	-5.8%
Black	196	18.5%	114	11.0%	138	13.5%	140	14.1%	-41.6%	1.7%
American Indian or Alaska Native	122	11.5%	86	8.3%	87	8.5%	87	8.7%	-29.7%	0.2%
Asian/Native Hawaiian/Other Pacific Islander	2	0.2%	1	0.1%	1	0.1%	1	0.1%	-40.0%	0.0%
Some Other Race	7	0.6%	18	1.7%	23	2.3%	26	2.6%	163.6%	12.6%
Two or More Races	43	4.0%	77	7.5%	86	8.4%	96	9.6%	80.9%	11.5%

Table 138: Population by Ethnicity R2 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	14	1.4%	44	4.3%	63	6.2%	71	7.1%	206.9%	13.2%
Not Hispanic or Latino	1,045	98.6%	992	95.7%	956	93.8%	923	92.9%	-5.1%	-3.4%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 139: Population by Age R2 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	62	5.9%	69	6.6%	70	6.9%	64	6.5%	10.2%	-8.2%
5 to 14	169	15.9%	142	13.7%	139	13.7%	133	13.4%	-16.0%	-4.7%
15 to 19	85	8.0%	72	7.0%	63	6.1%	63	6.3%	-14.7%	0.1%
20 to 24	76	7.2%	63	6.1%	67	6.6%	62	6.2%	-16.9%	-8.3%
25 to 34	112	10.6%	118	11.3%	124	12.2%	124	12.5%	4.7%	-0.3%
35 to 44	158	14.9%	117	11.3%	115	11.3%	114	11.5%	-25.9%	-0.4%
45 to 54	165	15.5%	149	14.4%	116	11.4%	96	9.7%	-9.2%	-17.2%
55 to 64	120	11.3%	165	15.9%	148	14.5%	132	13.3%	37.3%	-10.4%
65 to 74	51	4.8%	85	8.2%	111	10.9%	130	13.1%	68.1%	17.3%
75 to 84	47	4.5%	35	3.4%	42	4.1%	56	5.6%	-25.5%	32.6%
85+	15	1.4%	21	2.0%	23	2.3%	20	2.0%	42.8%	-14.4%
Median Age:										
Total Population	36.8		39.2		38.7		39.3			

Scholar Creek along Hwy 33 on 3-21-18, a tributary of Polecat Creek

The median age within this sub-watershed has increased. From 2000 to 2010 the most notable change is the jump in the 65 to 74 year age bracket.

Table 140: Households by Income R2 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	100	27.5%	70	18.2%	69	18.4%	59	15.9%	-30.3%	-14.2%
$15,000 - $24,999	45	12.4%	57	14.9%	53	14.2%	46	12.3%	26.0%	-13.9%
$25,000 - $34,999	63	17.3%	47	12.2%	34	9.1%	32	8.5%	-25.8%	-7.7%
$35,000 - $49,999	54	14.9%	49	12.7%	47	12.5%	42	11.3%	-10.0%	-9.8%
$50,000 - $74,999	49	13.4%	69	18.0%	67	17.8%	69	18.4%	41.7%	2.9%
$75,000 - $99,999	26	7.2%	44	11.5%	45	12.1%	51	13.5%	67.0%	11.2%
$100,000 - $149,999	9	2.4%	38	9.9%	44	11.7%	55	14.8%	335.6%	26.2%
$150,000 +	16	4.5%	10	2.7%	16	4.2%	20	5.3%	-35.9%	26.1%
Average Hhld Income	$44,436		$53,900		$57,874		$65,429		21.3%	13.1%
Median Hhld Income	$29,053		$38,689		$43,271		$53,097		33.2%	22.7%
Per Capita Income	$15,271		$19,953		$21,384		$24,642		30.7%	15.2%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 141: Employment R2 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	815		808		796		785		-0.8%	-2.9%
Total Labor Force	486	59.6%	486	60.1%	445	55.9%	426	54.3%	0.0%	-4.2%
Civilian, Employed	462	95.1%	449	92.4%	423	95.0%	408	95.7%	-2.8%	-3.5%
Civilian, Unemployed	24	4.9%	37	7.6%	22	5.0%	18	4.3%	53.5%	-17.7%
In Armed Forces	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A%	N/A%
Not In Labor Force	329	40.4%	322	39.9%	351	44.1%	359	45.7%	-2.0%	2.2%
Blue Collar	231	49.7%	186	41.5%	186	43.9%	180	42.7%	-19.3%	-2.7%
% White Collar	233	50.3%	263	58.5%	237	56.1%	227	53.8%	12.7%	-4.2%

Table 142: Housing Units R2 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	442		428		417		411		-3.3%	-1.5%
Total Occupied Housing Units	n/a	n/a	384	89.6%	376	90.2%	374	91.1%	n/a	-0.5%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	146	38.0%	132	35.1%	130	34.7%	n/a	-1.6%
Owner Occupied: Owned free and clear	n/a	n/a	123	32.2%	120	32.0%	120	31.9%	n/a	-0.6%
Renter Occupied	n/a	n/a	114	29.8%	124	32.9%	125	33.3%	n/a	0.7%
Vacant	78	17.7%	44	10.4%	41	9.9%	37	8.9%	-43.3%	-10.9%

Total housing units decreased by 3.3% from 2000 to 2010 and are expected to decrease another 1.5% through 2022 so residential development and residential construction related runoff pollutants are not increasing.

Table 143: Vehicles Available R2 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	29	8.0%	41	10.6%	43	11.4%	43	11.5%	40.0%	0.0%
1 Vehicle Available	105	28.8%	88	23.0%	98	26.2%	99	26.6%	-15.9%	1.0%
2+ Vehicles Available	230	63.3%	255	66.4%	235	62.4%	232	62.0%	10.6%	-1.2%
Average Vehicles Per Household	1.60		2.35		2.23		2.22		51.5%	-0.4%

The average number of vehicles per household increased by 51.5% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 144: Marital Status R2 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	461	55.7%	445	53.9%	404	50.0%	389	48.8%	-3.5%	-3.7%
Married, Spouse Absent	36	4.3%	47	5.7%	39	4.9%	39	4.9%	30.5%	0.0%
Divorced	75	9.1%	94	11.4%	109	13.5%	111	13.9%	24.9%	1.8%
Widowed	60	7.2%	56	6.8%	56	6.9%	56	7.1%	-5.5%	0.3%
Never Married	202	24.4%	184	22.3%	200	24.8%	201	25.2%	-9.1%	0.4%
Age 15+ Population	828		826		809		797		-0.3%	-1.5%

Table 145: Educational Attainment R2 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	60	8.9%	37	5.4%	34	4.9%	33	4.9%	-37.8%	-2.8%
Grade 9 - 11	107	16.0%	113	16.3%	97	14.3%	95	14.2%	5.3%	-1.9%
High School Graduate	223	33.3%	205	29.8%	216	31.8%	215	32.0%	-7.9%	-0.3%
Some College, No Degree	131	19.5%	154	22.4%	149	21.9%	147	21.9%	18.1%	-1.2%
Associates Degree	61	9.1%	35	5.1%	35	5.2%	35	5.2%	-42.4%	-1.2%
Bachelor's Degree	69	10.3%	86	12.5%	87	12.9%	87	12.9%	25.5%	-0.5%
Graduate Degree	16	2.4%	59	8.5%	60	8.8%	59	8.8%	258.9%	-0.8%
No Schooling Completed	3	0.5%	1	0.1%	2	0.2%	2	0.2%	-83.4%	0.0%
Age 25+ Population	670		690		679		673		3.0%	-1.0%

Polecat Creek R3 Sub-Basin

The following tables show the current demographics for the Polecat Creek R3 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 146: Population Demographics R3 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Population	1,585		1,712		1,753		1,818		8.0%	3.7%
Population Density (Pop/Sq Mi)	105.90		89.08		117.12		121.49		-15.9%	3.7%
Total Households	562		617		633		663		9.7%	4.7%
Population by Gender:										
Male	783	49.4%	878	51.3%	903	51.5%	939	51.6%	12.2%	3.9%
Female	802	50.6%	834	48.7%	849	48.5%	880	48.4%	3.9%	3.6%

The total population within this sub-basin increased 8.0% from 2000 to 2010 and is expected to increase another 3.7% from 2017 to 2022. The population density decreased by 15.9% from 2000 to 2010, and is expected to increase by 3.7% from 2017 to 2022.

Table 147: Population by Race R3 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
White	1,301	82.1%	1,354	79.1%	1,373	78.3%	1,399	76.9%	4.0%	1.9%
Black	15	1.0%	18	1.1%	19	1.1%	20	1.1%	18.1%	4.3%
American Indian or Alaska Native	145	9.2%	208	12.2%	216	12.4%	230	12.6%	43.4%	6.1%
Asian/Native Hawaiian/Other Pacific Islander	0	0.0%	4	0.2%	5	0.3%	5	0.3%	2,791.3%	1.6%
Some Other Race	4	0.2%	12	0.7%	18	1.0%	21	1.2%	227.3%	19.1%
Two or More Races	119	7.5%	115	6.7%	121	6.9%	144	7.9%	-3.2%	18.2%

Table 148: Population by Ethnicity R3 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	27	1.7%	46	2.7%	61	3.5%	71	3.9%	72.6%	16.9%
Not Hispanic or Latino	1,558	98.3%	1,666	97.3%	1,692	96.5%	1,747	96.1%	6.9%	3.3%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 149: Population by Age R3 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	102	6.4%	92	5.4%	103	5.9%	107	5.9%	-9.3%	3.9%
5 to 14	249	15.7%	250	14.6%	226	12.9%	213	11.7%	0.4%	-5.6%
15 to 19	155	9.8%	126	7.4%	128	7.3%	131	7.2%	-18.5%	2.5%
20 to 24	88	5.5%	88	5.2%	106	6.1%	113	6.2%	0.5%	6.2%
25 to 34	190	12.0%	179	10.4%	196	11.2%	209	11.5%	-5.7%	6.4%
35 to 44	257	16.2%	234	13.6%	220	12.6%	224	12.3%	-9.1%	1.9%
45 to 54	227	14.3%	295	17.2%	262	15.0%	240	13.2%	30.0%	-8.4%
55 to 64	180	11.4%	244	14.3%	253	14.5%	256	14.1%	35.8%	1.3%
65 to 74	100	6.3%	131	7.7%	173	9.9%	213	11.7%	30.9%	23.2%
75 to 84	33	2.1%	59	3.5%	66	3.8%	90	5.0%	81.9%	35.6%
85+	5	0.3%	12	0.7%	18	1.1%	21	1.2%	163.3%	13.7%
Median Age:										
Total Population	35.4		40.5		40.7		41.2			

The median age within this sub-watershed has increased. From 2000 to 2010 the most notable percentage change is the big jump in the 85+ year age bracket.

Table 150: Households by Income R3 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	99	17.6%	55	8.9%	55	8.7%	48	7.3%	-44.5%	-12.8%
$15,000 - $24,999	68	12.1%	79	12.8%	71	11.2%	64	9.6%	16.5%	-10.0%
$25,000 - $34,999	112	19.9%	96	15.6%	80	12.6%	74	11.1%	-13.7%	-7.7%
$35,000 - $49,999	123	21.8%	120	19.4%	114	17.9%	106	16.0%	-2.5%	-6.9%
$50,000 - $74,999	91	16.2%	150	24.3%	169	26.7%	185	27.9%	64.5%	9.1%
$75,000 - $99,999	60	10.7%	72	11.7%	84	13.3%	102	15.3%	21.0%	20.2%
$100,000 - $149,999	11	1.9%	37	5.9%	49	7.8%	70	10.5%	237.0%	42.1%
$150,000 +	7	1.3%	8	1.3%	10	1.7%	15	2.3%	8.4%	44.7%
Average Hhld Income	$42,338		$52,172		$56,111		$61,969		23.2%	10.4%
Median Hhld Income	$35,618		$43,986		$49,555		$55,259		23.5%	11.5%
Per Capita Income	$15,013		$18,797		$20,276		$22,599		25.2%	11.5%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 151: Employment R3 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	1,207		1,342		1,395		1,472		11.2%	9.7%
Total Labor Force	739	61.2%	814	60.7%	777	55.7%	795	54.0%	10.2%	2.3%
Civilian, Employed	697	94.3%	738	90.7%	727	93.6%	752	94.5%	6.0%	3.3%
Civilian, Unemployed	41	5.6%	76	9.3%	49	6.4%	43	5.5%	84.0%	-12.1%
In Armed Forces	1	0.1%	0	0.0%	0	0.0%	0	0.0%	-98.7%	0.0%
Not In Labor Force	468	38.8%	528	39.3%	618	44.3%	677	46.0%	12.8%	9.5%
% Blue Collar	330	46.3%	331	44.8%	332	45.6%	345	47.4%	0.2%	3.9%
% White Collar	383	53.7%	408	55.2%	396	54.4%	407	55.9%	6.5%	2.8%

Table 152: Housing Units R3 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	601		677		692		726		12.7%	4.9%
Total Occupied Housing Units	n/a	n/a	617	91.1%	633	91.5%	663	91.3%	n/a	4.7%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	323	52.4%	314	49.6%	328	49.5%	n/a	4.4%
Owner Occupied: Owned free and clear	n/a	n/a	199	32.2%	215	34.0%	227	34.2%	n/a	5.4%
Renter Occupied	n/a	n/a	94	15.3%	104	16.4%	108	16.4%	n/a	4.2%
Vacant	39	6.5%	61	8.9%	59	8.5%	63	8.7%	54.6%	7.4%

Total housing units increased 12.7% from 2000 to 2010 and are expected to increase another 4.9% through 2022 so residential development and residential construction related runoff pollutants could increase as well if best management practices are not put in place to minimize the effects of the additional impervious area.

Table 153: Vehicles Available R3 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	18	3.3%	18	2.8%	16	2.6%	16	2.5%	-4.4%	-1.0%
1 Vehicle Available	134	23.9%	163	26.4%	175	27.6%	184	27.7%	21.2%	5.0%
2+ Vehicles Available	409	72.8%	436	70.8%	442	69.8%	463	69.8%	6.6%	4.8%
Average Vehicles Per Household	1.90		2.21		2.17		2.16		13.7%	-0.3%

The average number of vehicles per household increased by 13.7% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 154: Marital Status R3 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	777	63.0%	797	58.2%	829	58.2%	861	57.5%	2.5%	3.8%
Married, Spouse Absent	31	2.5%	44	3.2%	42	3.0%	45	3.0%	42.0%	5.2%
Divorced	120	9.7%	152	11.1%	143	10.0%	152	10.1%	27.1%	6.3%
Widowed	78	6.3%	73	5.3%	81	5.7%	88	5.9%	-7.0%	7.8%
Never Married	257	20.8%	303	22.2%	328	23.1%	353	23.6%	18.0%	7.5%
Age 15+ Population	1,234		1,369		1,424		1,498		11.0%	5.2%

Table 155: Educational Attainment R3 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	31	3.1%	31	2.7%	29	2.5%	31	2.4%	0.6%	4.9%
Grade 9 - 11	182	17.9%	128	11.1%	124	10.5%	130	10.4%	-29.6%	4.8%
High School Graduate	471	46.5%	498	43.2%	519	43.6%	548	43.7%	5.8%	5.5%
Some College, No Degree	210	20.7%	299	25.9%	300	25.3%	316	25.2%	42.5%	5.3%
Associates Degree	34	3.4%	101	8.7%	98	8.2%	103	8.2%	194.8%	5.5%
Bachelor's Degree	50	4.9%	66	5.7%	81	6.8%	86	6.9%	32.5%	6.2%
Graduate Degree	34	3.3%	27	2.4%	32	2.7%	34	2.7%	-19.7%	5.7%
No Schooling Completed	2	0.2%	5	0.4%	6	0.5%	6	0.5%	95.0%	6.9%
Age 25+ Population	1,013		1,155		1,190		1,254		13.9%	5.4%

Polecat Creek R4 Sub-Basin

The following tables show the current demographics for the Polecat Creek R4 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 156: Population Demographics R4 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Population	1,901		1,723		1,736		1,683		-9.4%	-3.1%
Population Density (Pop/Sq Mi)	1,094.03		722.92		998.83		968.33		-33.9%	-3.1%
Total Households	788		752		756		742		-4.7%	-1.8%
Population by Gender:										
Male	942	49.5%	840	48.8%	848	48.8%	828	49.2%	-10.8%	-2.4%
Female	960	50.5%	883	51.2%	888	51.2%	855	50.8%	-8.0%	-3.7%

The total population within this sub-basin decreased 9.4% from 2000 to 2010 and is expected to decrease another 3.1% from 2017 to 2022. The population density decreased by 33.9% from 2000 to 2010, and is expected to decrease by 3.1% from 2017 to 2022.

Table 157: Population by Race R4 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
White	1,434	75.4%	1,316	76.4%	1,284	74.0%	1,213	72.1%	-8.2%	-5.6%
Black	129	6.8%	90	5.2%	105	6.0%	107	6.3%	-30.2%	1.8%
American Indian or Alaska Native	189	9.9%	157	9.1%	167	9.6%	165	9.8%	-16.8%	-0.7%
Asian/Native Hawaiian/Other Pacific Islander	1	0.1%	8	0.5%	11	0.6%	11	0.7%	520.1%	3.3%
Some Other Race	17	0.9%	20	1.1%	26	1.5%	29	1.7%	12.2%	12.1%
Two or More Races	132	6.9%	133	7.7%	143	8.2%	157	9.4%	1.1%	10.1%

Table 158: Population by Ethnicity R4 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	52	2.7%	60	3.5%	79	4.5%	88	5.2%	14.5%	11.8%
Not Hispanic or Latino	1,849	97.3%	1,663	96.5%	1,657	95.5%	1,595	94.8%	-10.1%	-3.8%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 159: Population by Age R4 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	140	7.4%	124	7.2%	125	7.2%	113	6.7%	-11.3%	-9.6%
5 to 14	301	15.8%	212	12.3%	213	12.3%	221	13.1%	-29.7%	3.6%
15 to 19	148	7.8%	121	7.0%	107	6.2%	95	5.6%	-17.8%	-11.7%
20 to 24	96	5.1%	119	6.9%	123	7.1%	108	6.4%	23.2%	-11.8%
25 to 34	303	16.0%	222	12.9%	243	14.0%	238	14.1%	-26.9%	-2.2%
35 to 44	235	12.4%	207	12.0%	204	11.8%	202	12.0%	-11.9%	-1.0%
45 to 54	226	11.9%	240	13.9%	214	12.3%	177	10.5%	6.4%	-17.1%
55 to 64	194	10.2%	215	12.5%	207	12.0%	197	11.7%	10.9%	-5.3%
65 to 74	131	6.9%	147	8.5%	172	9.9%	189	11.3%	12.3%	10.2%
75 to 84	103	5.4%	80	4.7%	86	5.0%	105	6.2%	-22.2%	21.5%
85+	24	1.3%	35	2.1%	41	2.4%	38	2.3%	45.8%	-7.1%
Median Age:										
Total Population	33.8		38.0		37.6		38.0			

The median age within this sub-watershed has increased from 2000 to 2010, but since then has remained relatively consistent. From 2000 to 2010 the most notable change is the jump in the 85+ year age bracket.

Table 160: Households by Income R4 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	202	25.6%	100	13.3%	98	13.0%	83	11.2%	-50.4%	-15.5%
$15,000 - $24,999	142	18.0%	116	15.5%	108	14.3%	95	12.8%	-18.0%	-12.3%
$25,000 - $34,999	147	18.6%	139	18.5%	115	15.2%	100	13.4%	-5.0%	-12.9%
$35,000 - $49,999	125	15.9%	133	17.8%	134	17.7%	125	16.8%	6.4%	-6.7%
$50,000 - $74,999	98	12.4%	148	19.7%	158	20.9%	164	22.2%	51.0%	4.2%
$75,000 - $99,999	45	5.7%	68	9.0%	77	10.2%	87	11.7%	50.0%	12.9%
$100,000 - $149,999	6	0.7%	38	5.1%	54	7.1%	71	9.6%	545.4%	32.8%
$150,000 +	11	1.4%	9	1.2%	12	1.6%	17	2.3%	-20.9%	35.5%
Average Hhld Income	$34,788		$46,072		$49,746		$55,338		32.4%	11.2%
Median Hhld Income	$29,930		$36,817		$40,456		$44,503		23.0%	10.0%
Per Capita Income	$14,425		$20,105		$21,658		$24,401		39.4%	12.7%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 161: Employment R4 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	1,430		1,363		1,376		1,332		-4.7%	-2.3%
Total Labor Force	884	61.8%	857	62.9%	815	59.2%	766	57.5%	-3.0%	-5.9%
Civilian, Employed	847	95.8%	790	92.2%	771	94.7%	731	95.4%	-6.7%	-5.2%
Civilian, Unemployed	37	4.2%	67	7.8%	43	5.3%	35	4.6%	80.8%	-19.7%
In Armed Forces	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A%	N/A%
Not In Labor Force	546	38.2%	506	37.1%	562	40.8%	565	42.5%	-7.4%	0.7%
% Blue Collar	428	51.4%	394	49.9%	390	50.6%	371	48.2%	-7.8%	-4.9%
% White Collar	405	48.6%	396	50.1%	381	49.4%	360	46.7%	-2.1%	-5.4%

Table 162: Housing Units R4 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	879		840		839		824		-4.4%	-1.8%
Total Occupied Housing Units	n/a	n/a	752	89.5%	756	90.1%	742	90.1%	n/a	-1.8%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	284	37.8%	257	34.0%	248	33.5%	n/a	-3.2%
Owner Occupied Owned free and clear	n/a	n/a	213	28.3%	221	29.2%	218	29.4%	n/a	-1.1%
Renter Occupied	n/a	n/a	254	33.8%	278	36.8%	276	37.1%	n/a	-1.0%
Vacant	90	10.3%	88	10.5%	83	9.9%	82	9.9%	-2.4%	-2.1%

Total housing units decreased 4.4% from 2000 to 2010 and are expected to decrease another 1.8% through 2022 so residential development and residential construction related runoff pollutants are not likely to increase.

Table 163: Vehicles Available R4 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	60	7.6%	50	6.7%	51	6.7%	50	6.7%	-16.7%	-1.3%
1 Vehicle Available	262	33.2%	219	29.1%	232	30.7%	229	30.9%	-16.5%	-1.4%
2+ Vehicles Available	466	59.2%	483	64.3%	473	62.6%	463	62.4%	3.6%	-2.1%
Average Vehicles Per Household	1.60		2.03		1.97		1.97		30.2%	-0.1%

The average number of vehicles per household increased by 30.2% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 164: Marital Status R4 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	800	54.8%	701	50.6%	648	46.4%	622	46.1%	-12.3%	-4.0%
Married, Spouse Absent	49	3.3%	51	3.7%	48	3.5%	48	3.5%	4.5%	-1.3%
Divorced	199	13.7%	222	16.0%	239	17.1%	230	17.1%	11.3%	-3.5%
Widowed	122	8.3%	88	6.3%	73	5.2%	69	5.1%	-27.9%	-5.2%
Never Married	269	18.4%	325	23.4%	390	27.9%	380	28.1%	21.0%	-2.6%
Age 15+ Population	1,461		1,387		1,398		1,349		-5.0%	-3.5%

Table 165: Educational Attainment R4 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	98	8.2%	48	4.2%	45	3.9%	44	3.8%	-50.8%	-3.8%
Grade 9 - 11	242	20.2%	161	14.0%	145	12.4%	141	12.3%	-33.5%	-2.7%
High School Graduate	362	30.3%	392	34.2%	410	35.1%	403	35.2%	8.1%	-1.5%
Some College, No Degree	292	24.4%	285	24.9%	297	25.4%	292	25.5%	-2.3%	-1.7%
Associates Degree	84	7.0%	64	5.6%	61	5.3%	59	5.2%	-23.5%	-3.6%
Bachelor's Degree	83	6.9%	122	10.6%	128	10.9%	126	11.0%	46.6%	-1.4%
Graduate Degree	33	2.7%	69	6.0%	69	5.9%	68	5.9%	109.4%	-1.2%
No Schooling Completed	4	0.3%	6	0.5%	13	1.1%	13	1.1%	53.8%	0.0%
Age 25+ Population	1,198		1,147		1,167		1,146		-4.3%	-1.9%

Polecat Creek R5 Sub-Basin

The following tables show the current demographics for the Polecat Creek R5 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 166: Population Demographics R5 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Population	2,379		2,178		2,281		2,246		-8.5%	-1.6%
Population Density (Pop/Sq Mi)	368.28		194.32		353.18		347.70		-47.2%	-1.6%
Total Households	901		877		923		921		-2.6%	-0.2%
Population by Gender:										
Male	1,187	49.9%	1,070	49.1%	1,119	49.1%	1,105	49.2%	-9.9%	-1.2%
Female	1,192	50.1%	1,108	50.9%	1,162	51.0%	1,141	50.8%	-7.0%	-1.9%

The total population within this sub-basin decreased 8.5% from 2000 to 2010 and is expected to increase another 1.6% from 2017 to 2022. The population density decreased 47.2% from 2000 to 2010, and is expected to decrease 1.6% from 2017 to 2022.

Table 167: Population by Race R5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
White	1,961	82.4%	1,714	78.7%	1,766	77.4%	1,704	75.9%	-12.6%	-3.5%
Black	17	0.7%	39	1.8%	43	1.9%	44	2.0%	123.4%	2.2%
American Indian or Alaska Native	199	8.4%	238	10.9%	258	11.3%	259	11.6%	19.9%	0.4%
Asian/Native Hawaiian/Other Pacific Islander	6	0.3%	12	0.5%	18	0.8%	18	0.8%	83.4%	3.0%
Some Other Race	19	0.8%	22	1.0%	31	1.3%	34	1.5%	14.9%	12.1%
Two or More Races	177	7.4%	154	7.1%	166	7.3%	186	8.3%	-13.1%	12.4%

Table 168: Population by Ethnicity R5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	60	2.5%	75	3.5%	96	4.2%	107	4.8%	25.9%	11.9%
Not Hispanic or Latino	2,319	97.5%	2,102	96.5%	2,185	95.8%	2,139	95.2%	-9.3%	-2.1%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 169: Population by Age R5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	148	6.2%	133	6.1%	140	6.1%	135	6.0%	-10.1%	-3.0%
5 to 14	363	15.3%	291	13.3%	288	12.6%	284	12.7%	-20.0%	-1.3%
15 to 19	149	6.3%	139	6.4%	129	5.6%	127	5.6%	-7.0%	-1.7%
20 to 24	115	4.8%	133	6.1%	142	6.2%	131	5.9%	15.3%	-7.5%
25 to 34	289	12.1%	270	12.4%	301	13.2%	294	13.1%	-6.5%	-2.6%
35 to 44	368	15.5%	275	12.6%	279	12.2%	271	12.1%	-25.2%	-3.0%
45 to 54	306	12.9%	322	14.8%	321	14.1%	285	12.7%	5.2%	-11.4%
55 to 64	254	10.7%	277	12.7%	285	12.5%	275	12.2%	9.2%	-3.4%
65 to 74	207	8.7%	192	8.8%	228	10.0%	252	11.2%	-7.1%	10.6%
75 to 84	123	5.2%	110	5.1%	125	5.5%	146	6.5%	-9.9%	16.3%
85+	57	2.4%	35	1.6%	43	1.9%	46	2.1%	-38.0%	7.5%
Median Age:										
Total Population	38.5		39.8		40.2		40.6			

The median age within this sub-watershed has slowly increased.

Table 170: Households by Income R5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	223	24.7%	139	15.8%	135	14.6%	115	12.4%	-37.7%	-15.1%
$15,000 - $24,999	138	15.3%	118	13.4%	107	11.6%	100	10.8%	-14.7%	-7.2%
$25,000 - $34,999	163	18.1%	138	15.8%	121	13.2%	106	11.5%	-15.3%	-12.9%
$35,000 - $49,999	155	17.2%	174	19.8%	187	20.2%	172	18.7%	12.1%	-7.9%
$50,000 - $74,999	135	15.0%	167	19.1%	193	20.9%	208	22.5%	23.7%	7.5%
$75,000 - $99,999	74	8.2%	89	10.1%	111	12.0%	124	13.5%	20.0%	11.8%
$100,000 - $149,999	25	2.7%	31	3.5%	45	4.9%	67	7.3%	26.3%	48.0%
$150,000 +	13	1.4%	21	2.4%	23	2.5%	30	3.3%	65.0%	29.6%
Average Hhld Income	$40,435		$50,278		$53,284		$59,815		24.3%	12.3%
Median Hhld Income	$31,862		$38,994		$42,668		$46,961		22.4%	10.1%
Per Capita Income	$15,311		$20,438		$21,746		$24,713		33.5%	13.6%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 171: Employment R5 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	1,826		1,729		1,828		1,800		-5.3%	4.1%
Total Labor Force	993	54.3%	977	56.5%	949	51.9%	902	50.1%	-1.6%	-5.0%
Civilian, Employed	929	93.6%	870	89.1%	879	92.6%	845	93.7%	-6.3%	-3.9%
Civilian, Unemployed	64	6.4%	107	10.9%	70	7.4%	57	6.3%	68.0%	-18.8%
In Armed Forces	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A%	N/A%
Not In Labor Force	834	45.7%	752	43.5%	879	48.1%	898	49.9%	-9.8%	2.2%
% Blue Collar	409	43.4%	394	45.3%	398	45.3%	383	43.6%	-3.7%	-3.7%
% White Collar	534	56.6%	476	54.7%	481	54.7%	462	52.5%	-10.8%	-4.0%

Table 172: Housing Units R5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	959		962		1,006		1,007		0.3%	0.0%
Total Occupied Housing Units	n/a	n/a	877	91.2%	923	91.8%	921	91.5%	n/a	-0.2%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	363	41.4%	359	38.9%	355	38.6%	n/a	-1.0%
Owner Occupied: Owned free and clear	n/a	n/a	243	27.7%	266	28.8%	267	29.0%	n/a	0.5%
Renter Occupied	n/a	n/a	270	30.8%	298	32.3%	298	32.4%	n/a	0.0%
Vacant	59	6.1%	85	8.8%	83	8.3%	86	8.5%	45.3%	3.1%

Total housing units increased 0.3% from 2000 to 2010 and are expected remain unchanged through 2022 so residential development and residential construction related runoff pollutants are not likely to increase.

Table 173: Vehicles Available R5 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	53	5.9%	39	4.5%	49	5.3%	49	5.3%	-25.7%	0.4%
1 Vehicle Available	253	28.0%	302	34.4%	321	34.8%	320	34.8%	19.6%	-0.2%
2+ Vehicles Available	595	66.1%	536	61.1%	554	60.0%	552	59.9%	-10.0%	-0.3%
Average Vehicles Per Household	1.80		1.99		1.96		1.96		12.2%	-0.2%

The average number of vehicles per household increased by 12.2% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 174: Marital Status R5 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	1,056	56.5%	799	45.6%	901	48.6%	877	48.0%	-24.3%	-2.6%
Married, Spouse Absent	126	6.7%	98	5.6%	82	4.4%	82	4.5%	-22.3%	-0.7%
Divorced	289	15.5%	358	20.4%	301	16.3%	299	16.4%	23.8%	-0.8%
Widowed	123	6.6%	186	10.6%	150	8.1%	147	8.1%	51.1%	-1.6%
Never Married	307	16.5%	313	17.9%	419	22.6%	421	23.1%	1.9%	0.4%
Age 15+ Population	1,868		1,754		1,854		1,826		-6.1%	-1.5%

Table 175: Educational Attainment R5 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	94	5.8%	36	2.4%	41	2.6%	41	2.6%	-61.7%	1.1%
Grade 9 - 11	259	15.9%	166	11.2%	169	10.7%	165	10.5%	-36.1%	-2.3%
High School Graduate	676	41.4%	638	43.1%	683	43.2%	679	43.3%	-5.6%	-0.6%
Some College, No Degree	376	23.0%	330	22.2%	374	23.6%	372	23.7%	-12.3%	-0.4%
Associates Degree	54	3.3%	86	5.8%	82	5.2%	80	5.1%	61.6%	-2.4%
Bachelor's Degree	123	7.5%	127	8.6%	130	8.2%	129	8.2%	3.0%	-1.2%
Graduate Degree	37	2.3%	46	3.1%	55	3.5%	57	3.6%	25.2%	2.5%
No Schooling Completed	15	0.9%	53	3.6%	48	3.0%	44	2.8%	252.6%	-6.9%
Age 25+ Population	1,634		1,482		1,583		1,568		-9.3%	-0.9%

Polecat Creek R6 Sub-Basin

The following tables show the current demographics for the Polecat Creek R6 sub-basin and how they have changed from 2000 to 2017 with projections out to 2022. The 2017 values are estimates.

Table 176: Population Demographics R6 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Population	5,227		4,909		4,969		4,868		-6.1%	-2.0%
Population Density (Pop/Sq Mi)	2,107.62		1,158.87		2,003.28		1,962.55		-45.0%	-2.0%
Total Households	2,095		1,975		1,991		1,974		-5.7%	-0.9%
Population by Gender:										
Male	2,528	48.4%	2,290	46.7%	2,322	46.7%	2,291	47.1%	-9.4%	-1.3%
Female	2,700	51.7%	2,619	53.3%	2,647	53.3%	2,576	52.9%	-3.0%	-2.7%

The total population within this sub-basin decreased 6.1% from 2000 to 2010 and is expected to decrease another 2.0% from 2017 to 2022. The population density increased by 45.0% from 2000 to 2010, and is expected to decrease another 2.0% from 2017 to 2022.

Table 177: Population by Race R6 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
White	4,321	82.7%	3,823	77.9%	3,773	75.9%	3,621	74.4%	-11.5%	-4.0%
Black	92	1.8%	94	1.9%	102	2.1%	103	2.1%	1.6%	0.9%
American Indian or Alaska Native	455	8.7%	546	11.1%	578	11.6%	578	11.9%	20.0%	0.0%
Asian/Native Hawaiian/Other Pacific Islander	40	0.8%	46	0.9%	76	1.5%	80	1.6%	14.8%	5.2%
Some Other Race	68	1.3%	78	1.6%	105	2.1%	116	2.4%	13.8%	10.4%
Two or More Races	250	4.8%	322	6.6%	334	6.7%	370	7.6%	28.8%	10.6%

Table 178: Population by Ethnicity R6 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Hispanic	104	2.0%	195	4.0%	260	5.2%	288	5.9%	87.3%	10.6%
Not Hispanic or Latino	5,123	98.0%	4,714	96.0%	4,708	94.8%	4,580	94.1%	-8.0%	-2.7%

Educational outreach efforts should take into consideration the race and ethnicity of the target audience. Cultures and languages vary and priorities may be different so these factors need to be evaluated when coordinating educational outreaches, forming watershed alliances and trying to gain support for changes that could improve watershed conditions.

Table 179: Population by Age R6 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 to 4	374	7.2%	323	6.6%	348	7.0%	359	7.4%	-13.7%	3.3%
5 to 14	688	13.2%	647	13.2%	638	12.8%	625	12.9%	-6.0%	-1.9%
15 to 19	397	7.6%	336	6.8%	309	6.2%	300	6.2%	-15.4%	-2.8%
20 to 24	298	5.7%	269	5.5%	304	6.1%	307	6.3%	-9.6%	1.0%
25 to 34	726	13.9%	644	13.1%	674	13.6%	634	13.0%	-11.3%	-6.0%
35 to 44	801	15.3%	628	12.8%	612	12.3%	601	12.3%	-21.6%	-1.9%
45 to 54	600	11.5%	681	13.9%	633	12.7%	580	11.9%	13.5%	-8.3%
55 to 64	435	8.3%	583	11.9%	594	11.9%	581	11.9%	34.0%	-2.2%
65 to 74	349	6.7%	395	8.0%	415	8.3%	443	9.1%	13.2%	6.8%
75 to 84	396	7.6%	263	5.4%	268	5.4%	275	5.6%	-33.7%	2.6%
85+	164	3.1%	141	2.9%	174	3.5%	162	3.3%	-13.7%	-7.0%
Median Age:										
Total Population	36.8		38.8		38.4		38.5			

The median age within this sub-watershed has remained relatively steady at about 38 years of age.

Table 180: Households by Income R6 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
$0 - $15,000	514	24.5%	357	18.1%	337	16.9%	284	14.4%	-30.6%	-15.8%
$15,000 - $24,999	381	18.2%	340	17.2%	315	15.8%	282	14.3%	-10.7%	-10.6%
$25,000 - $34,999	318	15.2%	338	17.1%	297	14.9%	270	13.7%	6.1%	-9.2%
$35,000 - $49,999	348	16.6%	293	14.9%	300	15.1%	279	14.1%	-15.6%	-6.9%
$50,000 - $74,999	308	14.7%	348	17.6%	380	19.1%	398	20.2%	12.9%	4.9%
$75,000 - $99,999	102	4.9%	152	7.7%	177	8.9%	213	10.8%	48.3%	20.1%
$100,000 - $149,999	64	3.1%	114	5.8%	138	6.9%	183	9.3%	77.7%	32.5%
$150,000 +	24	1.2%	33	1.7%	47	2.4%	66	3.3%	36.2%	39.6%
Average Hhld Income	$38,301		$45,970		$49,564		$56,465		20.0%	13.9%
Median Hhld Income	$29,563		$33,537		$37,014		$42,858		13.4%	15.8%
Per Capita Income	$15,349		$18,850		$20,218		$23,262		22.8%	15.1%

Average household income, median household income and per capita income have steadily increased throughout this sub-basin.

Table 181: Employment R6 Sub-Basin										
	2000 Census	%	2010 Census	%	2017A Estimates	%	2022 Projections	%	Percent Change	
									2000 to 2010	2017 to 2022
Total Population 16+	4,073		3,879		3,918		3,818		-4.7%	-1.6%
Total Labor Force	2,433	59.7%	2,399	61.9%	2,259	57.6%	2,133	55.9%	-1.4%	-5.5%
Civilian, Employed	2,297	94.4%	2,166	90.3%	2,105	93.2%	2,011	94.3%	-5.7%	-4.4%
Civilian, Unemployed	137	5.6%	234	9.7%	154	6.8%	122	5.7%	71.0%	-20.8%
In Armed Forces	0	0.0%	0	0.0%	0	0.0%	0	0.0%	N/A%	N/A%
Not In Labor Force	1,639	40.3%	1,480	38.2%	1,660	42.4%	1,685	44.1%	-9.7%	1.5%
% Blue Collar	1,052	45.5%	1,045	48.2%	1,024	48.7%	977	46.4%	-0.7%	-4.6%
% White Collar	1,262	54.5%	1,121	51.8%	1,080	51.3%	1,034	49.2%	-11.1%	-4.2%

Table 182: Housing Units R6 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Total Housing Units	2,294		2,254		2,254		2,241		-1.7%	-0.6%
Total Occupied Housing Units	n/a	n/a	1,975	87.6%	1,991	88.4%	1,974	88.1%	n/a	-0.9%
Owner Occupied: Owned with a mortgage or loan	n/a	n/a	742	37.6%	682	34.2%	672	34.0%	n/a	-1.4%
Owner Occupied: Owned free and clear	n/a	n/a	479	24.2%	515	25.9%	517	26.2%	n/a	0.4%
Renter Occupied	n/a	n/a	754	38.2%	795	39.9%	786	39.8%	n/a	-1.2%
Vacant	199	8.7%	279	12.4%	262	11.6%	266	11.9%	40.5%	1.5%

Total housing units decreased 1.7% from 2000 to 2010 and are expected to decrease another 0.6% through 2022 so residential development and residential construction related runoff pollutants are not likely to increase because of additional impervious area due to housing.

Table 183: Vehicles Available R6 Sub-Basin										
	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
0 Vehicles Available	267	12.8%	164	8.3%	157	7.9%	150	7.6%	-38.5%	-4.2%
1 Vehicle Available	747	35.7%	790	40.0%	807	40.5%	800	40.5%	5.8%	-0.9%
2+ Vehicles Available	1,081	51.6%	1,020	51.7%	1,028	51.6%	1,024	51.9%	-5.6%	-0.3%
Average Vehicles Per Household	1.40		1.74		1.74		1.75		23.2%	0.4%

The average number of vehicles per household increased by 23.2% from 2000 to 2010, then leveled off and is expected to remain constant through 2022. Vehicles can contribute a variety of pollutants, but unless traffic from outside the watershed increases or the average age of the local vehicles increases, transportation related pollutants might remain constant.

Table 184: Marital Status R6 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Married, Spouse Present	2,106	50.6%	1,580	40.1%	1,672	42.0%	1,627	41.9%	-25.0%	-2.7%
Married, Spouse Absent	226	5.4%	314	8.0%	214	5.4%	211	5.4%	38.8%	-1.7%
Divorced	602	14.5%	558	14.2%	560	14.1%	540	13.9%	-7.4%	-3.6%
Widowed	410	9.9%	472	12.0%	436	10.9%	426	11.0%	14.9%	-2.3%
Never Married	850	20.4%	1,015	25.8%	1,100	27.6%	1,079	27.8%	19.5%	-1.9%
Age 15+ Population	4,165		3,939		3,983		3,883		-5.4%	-2.5%

Table 185: Educational Attainment R6 Sub-Basin

	2000 Census		2010 Census		2017A Estimates		2022 Projections		Percent Change	
									2000 to 2010	2017 to 2022
Grade K - 8	288	8.2%	96	2.9%	81	2.4%	78	2.4%	-66.6%	-4.1%
Grade 9 - 11	589	16.8%	532	15.9%	481	14.3%	458	14.0%	-9.7%	-4.8%
High School Graduate	1,241	35.5%	1,255	37.6%	1,269	37.7%	1,232	37.6%	1.1%	-2.9%
Some College, No Degree	800	22.9%	755	22.6%	810	24.0%	790	24.1%	-5.6%	-2.5%
Associates Degree	172	4.9%	200	6.0%	198	5.9%	194	5.9%	16.7%	-2.1%
Bachelor's Degree	262	7.5%	297	8.9%	311	9.2%	308	9.4%	13.6%	-0.9%
Graduate Degree	124	3.5%	104	3.1%	125	3.7%	127	3.9%	-15.8%	1.6%
No Schooling Completed	26	0.7%	95	2.9%	93	2.8%	88	2.7%	272.2%	-6.3%
Age 25+ Population	3,500		3,335		3,370		3,275		-4.7%	-2.8%