

Figure 1. Location of watersheds.

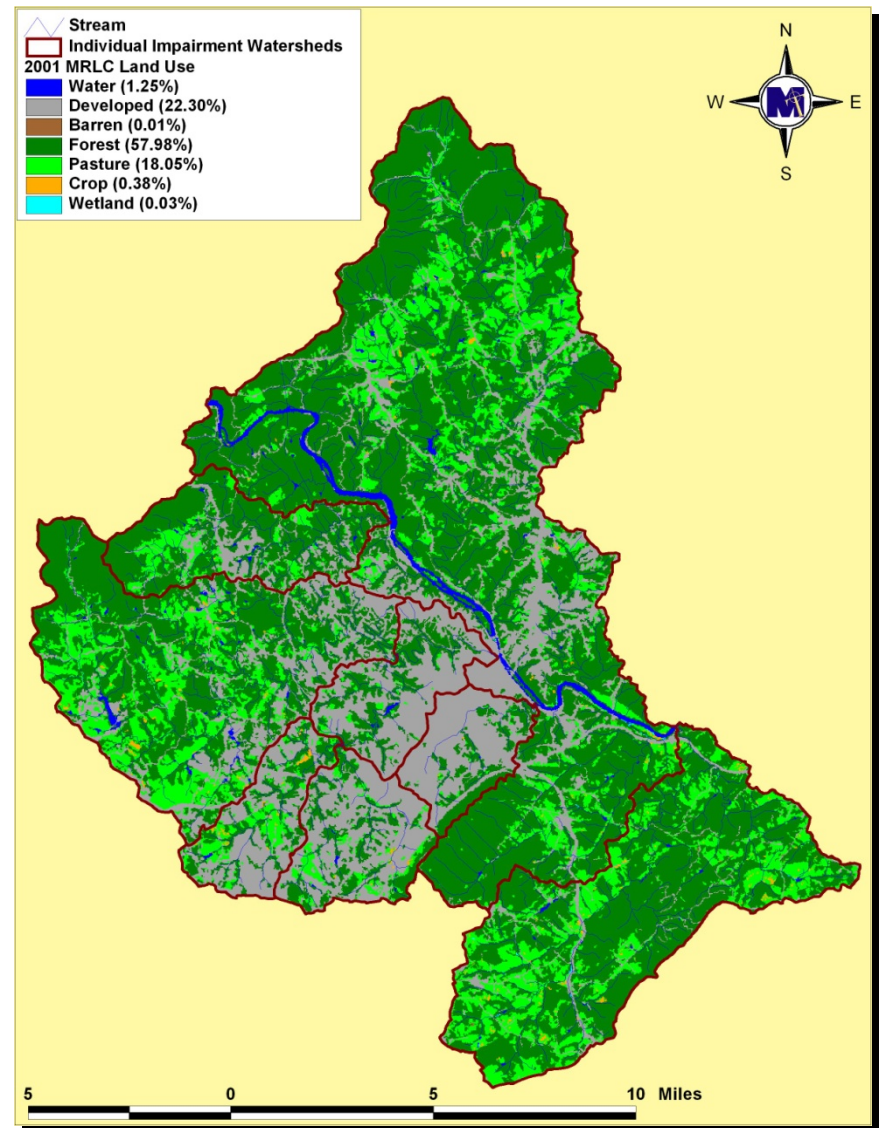


Figure 2. Land use distribution.

Table 1. Changes to the amount of pasture, based on land-use analysis, since development of the TMDLs.

Impairment	Pasture Acres – Best Data during TMDL (based on 1992 photography)	Pasture Acres – Best Current Data (based on 2001 photography)	Percent Change	Notes
Blackwater	426	198	-53%	Primarily shifted to residential. May indicate a reduction in livestock population.
Burton	958	614	-36%	
Tomahawk	1,258	881	-30%	
Fishing	332	70	-79%	Probably not significant in terms of livestock populations.
Ivy	6,506	5,833	-10%	
James	10,244	10,173	-1%	
Judith	1,253	1,211	-3%	

Table 2. Allocation scenarios for achieving fecal bacteria standards in impaired drainages of the James River near Lynchburg, VA.

Impaired Segment	Wildlife Direct	Wildlife Land Based <i>Forest & Wetland</i>	Livestock Direct	Agricultural Land Based <i>Cropland, Pasture</i>	Human Direct <i>Straight Pipes</i>	Human and Pet Land Based <i>Urban & Residential</i>	CSOs
Beaver Creek	0	0	99	99	100	64	--
Judith Creek	0	0	99	0	100	0	--
Ivy Creek	0	0	99	87	100	87	100
Tomahawk Creek	0	0	99	87	100	87	--
Burton Creek	0	0	100	87	100	87	--
Fishing Creek	0	0	72	67	100	67	100
Blackwater Creek	0	0	92	87	100	87	100
James River	0	0	83	75	100	75	75