



01/99 SYR-D54-LBR 20197030/20197n01.CDR



The B5 stream types are moderately entrenched systems with channel gradients of 2-4%. B5 stream types are typically established on stable, well vegetated alluvial fans, colluvial deposits and relatively narrow, moderately sloping valleys. Landforms are observed as areas with gentle, rolling slopes in relatively narrow, colluvial valleys, and soils derived from residual materials including grussic granite, eolian sand deposits, and colluvial deposits. Valley types that contain B5 stream channels are types II, III, and VII. The channel bed morphology is dominated by sand-sized materials and characterized as a series of rapids with irregular spaced scour pools.

From Rosgen (1996).

The average pool-to-pool spacing for the B5 stream type is 3-4 bankfull channel widths. Pool to pool spacing for the B5c (<2% slope) is generally 4-5 bankfull channel widths. Pool to pool spacing adjusts inversely with stream gradient. The B5 stream type has a moderate width/depth ratio and a sinuosity greater than 1.2. The channel materials are composed predominantly of sand and small gravel with occasional amounts of silt/clay. The B5 stream type is relatively stable where the presence of dense riparian vegetation is noted. Large, woody, organic debris is an important component of fisheries habitat where sources are available.

GENERAL ELECTRIC COMPANY PITTSFIELD, MASSACHUSETTS REMOVAL ACTION WORK PLAN -UPPER ½-MILE REACH OFHOUSATONIC RIVER

DESCRIPTION OF A TYPICAL B5 STREAM TYPE





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Plot 5			
cientific Name	# Stems	Rel. Stern Density (%)	Avg. DBH (in.)
cer platanoides	2	22.2	4
cer negundo	1	11.1	14
runus serotina	1	11.1	13
Imus americana	5	55.6	6.6
M			
cientific Name	Cover Class	Rel. Dominance (%)	
IA	NA	NA	
icientific Name	Cover Class	Rel. Dominance (%)	
onicera morrowii	19	39.6	
fitis sp.	9	18.8	
elastrus scandens	9	18.8	
Cornus stolonifera	9	18.8	
thamnus caroliniana	1	2.1	
unonymus sp.	1	2.1	
cientific Name	Cover Class	Rel. Dominance (%)	
upatorium rugosum	9	42.9	
iolidago gigantea	3	14.3	
eum laciniatum	3	14.3	
ragaria virginiana	1	4.8	
lliara officinalis	1	4.8	
lymus sp.	1	4.8	
Carex sp.	1	4.8	
°oa sp.	1	4.8	
quisetum arvense	1	4.8	

