





























STREAM SIZE	SMALL (< 30 m WIDE)		MEDIUM (30-150 m)		WIDE (> 150 m)		
FLOW HABIT	EPHEMERAL (INTERMITTENT)		PERENNIAL BUT FLASHY		PERENNIAL		
BED MATERIAL	SILT-CLAY		SILT	SAND	GRAVEL COBBLE OR BOULDER		
VALLEY SETTING	 NO VALLEY: ALLUVIAL FAN		 LOW RELIEF VALLEY (< 30 m DEEP)		 MODERATE RELIEF (30-300 m)	 HIGH RELIEF (> 300 m)	
FLOOD PLAINS	 LITTLE OR NONE (< 2 X CHANNEL WIDTH)		 NARROW (2-10 X CHANNEL WIDTH)		 WIDE (> 10 X CHANNEL WIDTH)		
NATURAL LEVEES	 LITTLE OR NONE		 MAINLY ON CONCAVE		 WELL DEVELOPED ON BOTH BANKS		
APPARENT INCISION	 NOT INCISED		 PROBABLY INCISED				
CHANNEL BOUNDARIES	 ALLUVIAL		 SEMI-ALLUVIAL		 NON-ALLUVIAL		
TREE COVER ON BANKS	< 50 PERCENT OF BANKLINE		50-90 PERCENT		> 90 PERCENT		
SINUOSITY	 STRAIGHT (SINUOSITY 1-1.05)		 SINUOUS (1.06-1.25)		 MEANDERING (1.25-2.0)		 HIGHLY MEANDERING (> 2)
BRAIDED STREAMS	 NOT BRAIDED (< 5 PERCENT)		 LOCALLY BRAIDED (5-35 PERCENT)		 GENERALLY BRAIDED (> 35 PERCENT)		
ANABRANCHED STREAMS	 NOT ANABRANCHED (< 5 PERCENT)		 LOCALLY ANABRANCHED (5-35 PERCENT)		 GENERALLY ANABRANCHED (> 35 PERCENT)		
VARIABILITY OF WIDTH AND DEVELOPMENT OF BARS	 EQUIWIDTH NARROW POINT BARS		 WIDER AT BENDS WIDE POINT BARS		 RANDOM VARIATION IRREGULAR POINT AND LATERAL BARS		

Source: Adapted From Brice and Blodgett, 1978

GEOMORPHIC FACTORS THAT AFFECT STREAM STABILITY

Figure 30-7A