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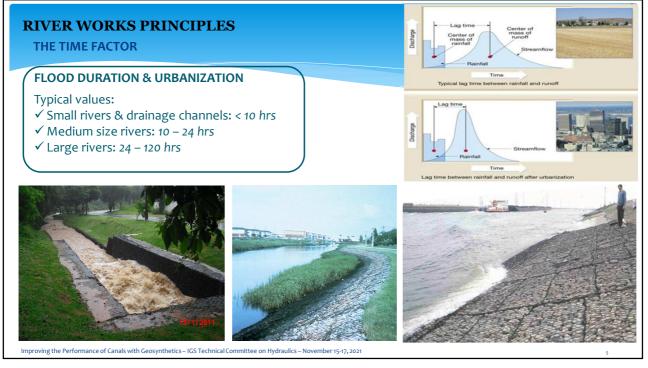
RIVER WORKS PRINCIPLES

EFFECTS OF FLOODS



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RIVER WORKS PRINCIPLES EROSION AND CAUSES						
PROBLEM	CAUSE	WHERE	EFFECT			
DRAINAGE	SURFACE RUN-OFF	NATURAL SLOPES	LACK OF VEGETATION PROGRESSIVE SOIL INSTABILITY			
SEEPAGE	REDUCED SOIL SHEAR STRENGTH	EMBANKMENTS & SLOPES	GLOBAL INSTABILITY			
SCOUR	FORMATION OF SCOUR HOLES	RIVERBANKS, ABUTMENTS & PIERS	PROGRESSIVE SOIL INSTABILITY & UNDERMINING			
WET/DRY CYCLES & TEMP. VARIATIONS	FORMATION OF CRACKS	COHESIVE SOILS & ROCK SLOPES	PROGRESSIVE DEBRIS			
Improving the Performance of Canals v	vith Geosynthetics – IGS Technical Committe	e on Hydraulics – November 15-17, 202				



SOLUTIONS F	OR EROSION CO	BANK STABILIZATION SYSTEMS		
FUNCTION	APPLICATION	EROSION CONTROL SYSTEMS		
EARTH RETAINING SYSTEMS	GRAVITY WALLS	GABIONS	Daywell	Hier table:
	MSE STRUCTURES	TERRAMESH	Alteratives	Max, Water Level
LININGS	HEAVY DUTY	RENO MATTRESS PLUS	A A A A A A A A A A A A A A A A A A A	Loing with tenso Indites Acc. water ivel
	RECP EROSION CONTROL SYSTEMS	MACMAT R		NERCEC









