

4.2.6 Temporary inundated areas:

Retention type: Temporary inundated areas



Figure 31. Temporary inundated football field (source: Gábor Harsányi, Kisújszállás, 2005.)

Land use	Urban/Semi urban/Semi-rural		
Catchment area	0-1,0 km ²		
Dimensions	Maximum size of a tennis court or a football field		
Location	Anywhere at urban/rural catchments, where the terrain and land use is suitable		
Target group	Municipalities, Farmers		
Effects of measure		Size of effect	Description
	Slow/Store runoff	HIGH	Temporary inundated areas can be assigned to reduce the flood peaks, and to increase infiltration. There are extreme examples for these kind of reduction solution eg. football fields, tennis courts, which are usually not used while rain events. The normal draining times for these facilities is 2-3 hours.
	Increase Evapotranspiration	LOW	

	Increase Infiltration	MEDIUM	Facilitates infiltration.
	Increase soil water retention	MEDIUM	
	Reduce pollutant sources	MEDIUM	
	Reduce erosion	LOW	
	Achieve Good Surface Water Status	YES	
Maintenance requirements	Cutting the grass and ensure the volume in the designing area.		