

CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

NOTE: recorded in Microsoft word 6.0 - use tabs to change cells/fields

STATE	Caribbean Area	FIELD OFFICE	DATE	08/12/02
PRACTICE: 332 Contour Buffer Strips			NOTES:	
RESOURCE: SOIL RESOURCE CONCERN: EROSION			Help Message: Click on form field for choice lists. Tab key to move around. "N/A" is the default.	
RESOURCE INDICATORS			PHYSICAL EFFECTS	
SHEET AND RILL			Slight to moderate decrease because of managed runoff depending on row grade and high of ridges	
WIND			Negligible	
EPHEMERAL GULLY			Slight decrease in the number of ephemeral gullies because of interception of concentrated flow. Slight increase were brakeovers occur on inadequate grassed waterways.	
CLASSIC GULLY			Negligible to slight decrease.	
STREAMBANK			Negligible	
IRRIGATION INDUCED			Negligible to slight decrease	
SOIL MASS MOVEMENT			Negligible to slight increase because of increased infiltratio	
ROADBANK/CONSTRUCTION			Negligible to slight increase because of increased infiltratio	
OTHER				
RESOURCE CONCERN: SOIL CONDITION				
SOIL TILTH			Slight to negligible decrease because of increase infiltration	
SOIL COMPACTION			Negligible	
SOIL CONTAMINATION				
• SALTS			Slight decrease because of increase infiltration.	
• ORGANICS			Negligible	
• FERTILIZERS			Negligible	
• PESTICIDES			Negligible	
• OTHER				
DEPOSITION/DAMAGE				
• ONSITE			Slight to significant decrease because of reduced runoff.	
• OFFSITE			Slight decrease because of decreased runoff.	
DEPOSITION/SAFETY				
• ONSITE			Slight to moderate decrease because of decreased runoff.	
• OFFSITE			Negligible to slight decrease because of deersed runoff.	
OTHER				
RESOURCE: WATER RESOURCE CONCERN: WATER QUANTITY				
SEEPS			Slight increase because of increase infiltration	
RUNOFF/FLOODING			Slight decrease because of reduced runoff.	
EXCESS SUBSURFACE WATER			Slight to moderate increase because of increase infiltration	
INADEQUATE OUTLETS			Slight to moderate decrease because of decreased runoff.	
WATER MGT. IRRIGATION				
• SURFACE			Negligible	
• SPRINKLER			Negligible	
WATER MGT. NON-IRRIGATED			Slight to moderate decrease because of increase in water Infiltration.	
RESTRICTED FLOW CAPACITY (H20 convey.)				
• ONSITE			Slight to moderate decrease because of increased	

	infiltration
• OFFSITE	Slight decrease because of decreased sediment load.
RESTRICTED STORAGE	Negligible to slight decrease because of decreased sediment load.
OTHER	

RESOURCE: WATER	
RESOURCE CONCERN: WATER QUALITY	
RESOURCE INDICATORS	PHYSICAL EFFECTS
GROUNDWATER CONTAMINANTS	
• PESTICIDES	Negligible to slight increase because of slight increase in infiltration.
• NUTRIENTS AND ORGANICS	Negligible to slight increase because of less runoff and slight infiltration, but because soil tilth should get some increase in nutrient uptake. Variable effects because of pesticides formulation, time of application, rainfall intensity and distribution
• SALINITY	Slight to moderate increase because infiltration of soluble salts.
• HEAVY METALS	Negligible
• PATHOGENS	Negligible
• OTHER	
SURFACE WATER CONTAMINANTS	
• PESTICIDES	Slight to significant decrease because of decrease in sediment bound pesticides.
• NUTRIENTS AND ORGANICS	Slight to moderate decrease because of decrease in sediment bound phosphorus and total organic carbon. Slightly reduced soluble nutrients because of increased residence time on land.
• SUSPENDED SEDIMENTS	Slight decrease because of erosion control of fine sediment.
• LOW DESOLVED OXYGEN	Slight to moderate decrease because of decreased sediment bound organic carbon.
• SALINITY	Negligible to slight decrease because of decreased sediment bound salts.
• HEAVY METALS	Negligible
• WATER TEMPERATURE	Negligible
• PATHOGENS	Negligible
AQUATIC HABITAT SUITABILITY	Slight decrease because of reduced sediment yield.
OTHER	
RESOURCE: AIR	
RESOURCE CONCERN: AIR QUALITY	
AIRBORNE SEDIMENT AND SMOKE PARTICLES	
• ONSITE SAFETY	Slight to moderate decrease because of reduced airborne silt.
• OFFSITE SAFETY	Slight to moderate decrease because of reduced airborne particles.
• ONSITE STRUCT. PROBLEMS	Slight to moderate decrease because of decreased in wind erosion.
• OFFSITE STRUCT. PROBLEMS	Slight decrease because of reduced wind erosion.
• ONSITE HEALTH	Negligible to slight decrease because of roughness of soil surface and reduced erosion.
• OFFSITE HEALTH	Negligible
AIRBORNE SEDIMENT CAUSING CONVEYANCE PROBLEMS	Negligible
AIRBORNE CHEMICAL DRIFT	Negligible
AIRBORNE ODORS	Negligible
FUNGI, MOLDS, AND POLLEN	Negligible
OTHER	
RESOURCE CONCERN: AIR CONDITION	
AIR TEMPERATURE	Negligible

AIR MOVEMENT (windbreak effect)	Negligible
HUMIDITY	Negligible
OTHER	

RESOURCE: HUMAN	
RESOURCE CONCERN: SOCIAL CONSIDERATIONS	
RESOURCE INDICATORS	PHYSICAL EFFECTS
PUBLIC HEALTH AND SAFETY	N/A
PRIVATE/PUBLIC VALUES	N/A
CLIENT CHARACTERISTICS	N/A
RISK TOLERANCE	N/A
TENURE	N/A
OTHER	
RESOURCE CONCERN: CULTURAL CONSIDERATIONS	
ABSENCE/PRESENCE OF CULTURAL RESOURCES	Moderately less protection of Cultural Resources
SIGNIFICANCE OF CULTURAL RESOURCES	N/A
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	N/A
OTHER	