

## CONSERVATION PRACTICE PHYSICAL EFFECT WORKSHEET

STATE	New Hampshire	FIELD OFFICE	All	DATE	July 2002
<b>PRACTICE: 606 Subsurface Drain</b>			NOTES:		
<b>RESOURCE: SOIL</b>					
<b>RESOURCE CONCERN: EROSION</b>					
<b>RESOURCE INDICATORS</b>			<b>PHYSICAL EFFECTS</b>		
SHEET AND RILL			moderate reduction in sheet and rill erosion		
WIND			moderate reduction in wind erosion		
EPHEMERAL GULLY			slight reduction in ephemeral gully erosion		
CLASSIC GULLY			N/A		
STREAMBANK			N/A		
IRRIGATION INDUCED			N/A		
SOIL MASS MOVEMENT			N/A		
ROADBANK/CONSTRUCTION			N/A		
OTHER					
<b>RESOURCE CONCERN: SOIL CONDITION</b>					
SOIL TILTH			slight improvement in soil tilth		
SOIL COMPACTION			slight reduction in soil compaction		
SOIL CONTAMINATION					
• SALTS			significant reduction in soil salinity		
• ORGANICS			significant decrease in organic contaminates		
• FERTILIZERS			significant reduction in contaminates from fertil.		
• PESTICIDES			significant reduction in pesticide contam./soil		
• OTHER					
DEPOSITION/DAMAGE					
• ONSITE			slight reduction /onsite deposition damage		
• OFFSITE			slight decrease/offsite deposition damage		
DEPOSITION/SAFETY					
• ONSITE			slightly improve onsite safety/deposition		
• OFFSITE			slightly improve offsite safety hazard/deposition		
OTHER					
<b>RESOURCE: WATER</b>					
<b>RESOURCE CONCERN: WATER QUANTITY</b>					
SEEPS			moderate reduction in seepage hazard		
RUNOFF/FLOODING			moder. decrease in runoff/flooding		
EXCESS SUBSURFACE WATER			significant reduction in excess subsurface water		
INADEQUATE OUTLETS			significant improvement in H2O outlet concern		
WATER MGT. IRRIGATION					
• SURFACE			N/A		
• SPRINKLER			N/A		
WATER MGT. NON-IRRIGATED			significant improvement in moisture use		
RESTRICTED FLOW CAPACITY (H2O convey.)					
• ONSITE			slight improvement in onsite drainage		
• OFFSITE			slight improvement in offsite drainage		
RESTRICTED STORAGE			moderate reduction in sedimentation of H2O storage		

<b>RESOURCE: WATER</b>	
<b>RESOURCE CONCERN: WATER QUALITY</b>	
<b>RESOURCE</b>	<b>PHYSICAL EFFECTS</b>
<b>GROUNDWATER CONTAMINANTS</b>	
• PESTICIDES	moderate reduction GWater contaminants/pesticides
• NUTRIENTS AND ORGANICS	moderate poten. decrease/GWater contam./nutr.,organ
• SALINITY	significant poten. decrease/GWcontam/salinity
• HEAVY METALS	moderate poten.decrease/GWater contam./heavy metal
• PATHOGENS	moderate poten. decrease/GWater contam./pathegens
• OTHER	
<b>SURFACE WATER CONTAMINANTS</b>	
• PESTICIDES	slight increase in SWcontam./pesticides
• NUTRIENTS AND ORGANICS	slight increase in SWater contam./nutri.,organics
• SUSPENDED SEDIMENTS	moderate reduction in SWater contam./susp. sedi.
• LOW DISSOLVED OXYGEN	N/A
• SALINITY	sign. reduction in SWater contam./salinity
• HEAVY METALS	moderate reduction in SWater contam./heavy metals
• WATER TEMPERATURE	N/A
• PATHOGENS	moderate decrease in SWater contam./pathegens
<b>AQUATIC HABITAT SUITABILITY</b>	moderate improvement in Aqua. Hab. Suit.
<b>OTHER</b>	
<b>RESOURCE: AIR</b>	
<b>RESOURCE CONCERN: AIR QUALITY</b>	
<b>AIRBORNE SEDIMENT AND SMOKE PARTICLES</b>	
• ONSITE SAFETY	slight decrease in airborn sed.smoke/safety
• OFFSITE SAFETY	slight decrease in airborn sed.smoke part./safety
• ONSITE STRUCT. PROBLEMS	slight decrease in struc. problems/dust and smoke
• OFFSITE STRUCT. PROBLEMS	slight decrease in struc. problems/dustsmoke
• ONSITE HEALTH	slight decrease in onsite health/dust and smoke
• OFFSITE HEALTH	slight improvement in offsite health
<b>AIRBORNE SEDIMENT CAUSING CONVEYANCE PROBLEMS</b>	slight decrease in airborn sediment/convey. prob.
<b>AIRBORNE CHEMICAL DRIFT</b>	N/A
<b>AIRBORNE ODORS</b>	N/A
<b>FUNGI, MOLDS, AND POLLEN</b>	N/A
<b>OTHER</b>	
<b>RESOURCE CONCERN: AIR CONDITION</b>	
<b>AIR TEMPERATURE</b>	N/A
<b>AIR MOVEMENT (windbreak effect)</b>	N/A
<b>HUMIDITY</b>	N/A
<b>OTHER</b>	



<b>RESOURCE: HUMAN</b>	
<b>RESOURCE CONCERN: SOCIAL CONSIDERATIONS</b>	
<b>RESOURCE INDICATORS</b>	<b>PHYSICAL EFFECTS</b>
PUBLIC HEALTH AND SAFETY	mod. improvement in public health safety
PRIVATE/PUBLIC VALUES	mod. improvement in private/public values
CLIENT CHARACTERISTICS	N/A
RISK TOLERANCE	insignificant risk involved
TENURE	N/A
OTHER	
<b>RESOURCE CONCERN: CULTURAL CONSIDERATIONS</b>	
ABSENCE/PRESENCE OF CULTURAL RESOURCES	situational regarding cultural resources
SIGNIFICANCE OF CULTURAL RESOURCES	situational regarding cultural resources
MITIGATION OF NEGATIVE CULTURAL RES. IMPACTS	situational regarding cultural resources
OTHER	