

Primary Concerns - Water Quality
Farmstead Environmental Concerns
 January 6, 2006

Name:

Date:

Resource Concerns	Criteria	Measure	Calculation	Points				Points	
				Points					
Soil Erosion (Sheet & Rill and Ephemeral Gully)	Tons of soil saved on the Treatment Area.	Tons/ac. Saved (as calculated using RUSLE2 for sheet and rill)	Ave. 0 - 2 T/Ac Saved = 5 points Ave. 2 - 5 T/Ac Saved = 10 points Ave. 5 - 10 T/Ac Saved = 15 points Ave. > 10 T/Ac Saved = 20 points					0	
Water Quality	Nutrient Management Applied According to an Approved Plan	Livestock Class: Poultry = 25, Milk Cows & Swine (Liquid) = 20, Milk Cows & Swine (Bedded) = 15, Beef, Dry Cows, Heifers = 10, Sheep, Goats, Horses, Other = 5	Density Factor + Livestock Class = Points Density Factor = Acres/AU: <0.5 = 100, 0.5 - 1 = 75, 1 - 2 = 50, 3 - 4 = 25, 4+ = 10	AU's	Acres	Livestock Class		0	
	Sediment Delivery To Surface Waters, Including Wetlands. Double Points If a Public Water Supply or impaired waters	Tons lost that will be controlled (as calculated using RUSLE2 for sheet and rill).	1 Point for each ton controlled. (Max. of 100 pts.)	Tons		Points	1	0	
	Manure Storage. Ave. Dist. to Surface Water, Livestock Class & Manure Consistency. Double Points If Public Water Supply or Impaired waters.	Distance To Surface Water (ft): Direct Discharge = 100 1-15 = 80, 16-50 = 60, 51-100 = 40, 101-200 = 20, 201+ = 10	Points = Livestock Class + Distance Factor + Manure Factor Manure Factor If Non-Stackable (Liquid) Manure Add 100 Points	Livestock Class	Distance Factor	Manure Factor		1	0
	Animals Confined (Not Under Cover.) Livestock Type and Distance To Water. Double Points If a Public Water Supply or impaired waters.	Distance To Surface Water (ft):	Points = Livestock Class + Distance Factor + AU's Factor Animal Units Factor:	Livestock Class	Distance Factor	AU's Factor		1	0
	Livestock Class: Poultry = 25, Milk Cows & Swine (Liquid) = 20, Milk Cows & Swine (Bedded) = 15, Beef, Dry Cows, Heifers = 10, Sheep, Goats, Horses, Other = 5	Direct Discharge = 100 1-15 = 80, 16-50 = 60, 51-100 = 40, 101-200 = 20, 201+ = 10	< 10 AU/1000 Sq. Ft. = 10 pts > 10 AU/1000 Sq. Ft. = 15 pts.				1	0	
Water Quality	Roof and Farmstead work area (non-animal usage areas) contributing runoff water that causes quality problems.	Distance To Surface Water (ft): Direct Discharge = 100 1-15 = 80, 16-50 = 60, 51-100 = 40, 101-200 = 20, 200+ = 10	Points = Distance Factor		Distance Factor			0	
	Milkhouse Waste Disposal. Distance To Surface Water Body and Gal./Day Wastewater. Double points if a Public Water Supply or impaired waters.	Distance To Surface Water (ft): Direct Discharge = 100 1-15 = 80, 16-50 = 60, 51-100 = 40, 101-200 = 20, 200+ = 10	Points = Wastewater Factor + Distance Factor Wastewater Factor = Gallons per day Wastewater/AU's	Distance Factor	Gallons per day	AU's	Points	1	0
	Silage Leachate - Distance To Surface Water Double Points If a Public Water Supply or Impaired waters.	Distance Factor (ft): Direct Discharge = 100, 1-15 = 80, 16-50 = 60, 51-100 = 40, 101-200 = 20, 201+ = 10	Points = Distance Factor	Distance Factor		Points	1	0	
	Buffer Area Installed - 1.5 X Points If a Public Water Supply or Impaired water. 2 X points if a Forested Riparian Buffer (Maximun of 3.5X)	Buffer Width (ft): Factor 10'-15' = 20, 16'-34' = 40, 35'+ = 60	Points = Buffer Factor	Buffer Factor		Multiplier	1	0	
Animal Habitat	Wetland Impacts (Habitat Loss)	Square Feet Lost	-2 point/1000 sq. ft. lost	Sq. Ft.			1	0	
	Area Treated to control Invasive Species		yes = 30 points	Points				0	
				Points				0	

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Resource Concerns	Criteria	Measure	Calculation			Points
	<u>Wildlife practices in application will be applied to improve habitat.</u>		1 - 4% of contract area improved = 25 points 5 - 9% of contract area improved = 50 points 10% of contract area improved = 100 points			0
Animal Management	T&E Species or "at risk species" protected according to plan developed w/Biologist		Federally Listed = 100 State Listed = 75 At Risk Species = 50	Points		0
Social Considerations Cultural Resources	Specific Practices Planned w/CRS to protect a National Register Eligible Site		100 points Max.	Points		0
Storm Damage	<u>Conservation practices planned to repair or restore storm damaged agricultural lands. Applicable where EQIP cost overrun funds or emergency programs are not eligible.</u>		yes = 100	Points		0
Land Protection	<u>Land Protected by Deeded Easement</u>		10 to 29 Yrs. = 50 Pts. 30 to 100 Yrs. = 75 Pts. Permanent = 100 Pts.	Points		0
Air Quality	Specific Practices installed to minimize odors and other airborne pollutants.	Windbreaks installed for air quality purposes.	yes = 20 points	Points		0
Innovative Conservation Practices	Applying new Interim Conservation Practice Standards & Specs. (Does not include 702, 719, & 731)		25 points for each practice used.	Number		0
Additional Practices Toward RMS (From Approved Practice List (Must improve treatment level of resource))	Improved Level of Resource Management on Headquarters, Hayland, Pastureland, Forestland, or Wildlife land.		100 Points if practices in application will complete an RMS on Headquarters.	Points		0
				Number		
	Improved Level of Resource Management on Cropland, Hayland, Pastureland, Forestland, or Wildlife land.		5 Points for Each Practice Used on another Primary Land Use (List Practices on CCC-1200)			0

Total Points =	0
Acres Treated =	
Total project cost =	

Final Score = _____ total points
total project cost/acres treated x100

FINAL SCORE	#DIV/0!
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**Primary Concerns - Water and Air Quality
Forestland Health
January 6, 2006**

Name:		Date:			
Resource Concerns	Criteria	Measure	Calculation	Points	
Soil Erosion (Sheet & Rill and Ephemeral Gully on existing roads .)	Tons of soil saved on the treatment area. (Existing Roads Only, Not New Roads)	Tons/Ac Saved (as calculated using RUSLE2 for sheet and rill)	Ave. 0 - 2 T/Ac Saved = 5 points Ave. 2 - 5 T/Ac Saved = 10 points Ave. 5 - 10 T/Ac Saved = 15 points Ave. > 10 T/Ac Saved = 20 points	Points	0
Water Quality Surface Water	Riparian Forest Buffers Installed or Improved. Double points for public water supply Tributary/stream or well or impaired waters.	Buffer Width Factor 10 - 15 = 20 16 - 34 = 40 35+ = 60	Width Factor = Points	Width Fact Multiplier 1	0
	Direct Discharge of Sediment into Surface Waters including wetlands. Double Points for public water supply tributary/stream or well or impaired waters.	Tons lost that will be controlled (as calculated using RUSLE2 for sheet and rill).	1 Point for each ton controlled. (Max. of 100 pts.)	Tons Points 1	0
	Soil Protected. Road Surfaces, Landings, Borrow Areas & Cut Banks protected.	Applied only to existing sites.	Road Surfaces = 50 points Landings = 50 points each Other areas = 50 points	Points	0
	Acres Served per Ft. of Truck Road installed to NRCS Standards. (No skid roads)	New Roads Only	Acres Served / Ft. of Access Road x 500 (Max. of 75 Ft. of Road Per Acre Served) Max. of 50 points Total	Acres Feet 1	0
	Access Roads installed to NRCS Specifications on Sloping Land (Predominant Slope based on Soils Map)	New Roads Only	A Slopes = 0, B Slopes = 5 C Slopes = 10, D Slopes = 15 E Slopes = 20 points	Points	0
	Production of High Quality Water by Maintenance of a Healthy Forest	Forest Stand Improvement (pre-Commercial Thinning Pole sized or larger trees) = 25 pts. (Sapling Stands) = 50 pts.	Pole size thinning = 25 pts. Sapling Stands = 50 pts.	Points Ac Treated	0
	Air Quality & Condition, Soil Condition, Plant Condition & Management	Forests established with desired trees (Must meet NRCS Standards).	Tree Planting = 50 points Site Preparation for Natural Regeneration = 100 points	Tree Planting = 50 pts Natural Regen = 100 pts.	Points
Air Quality & Condition, Soil Condition, Plant Condition & Management	Forest Management Plan meeting current UNH Extension Requirements	Requesting new plan = 25 pts. EQIP funds will help implement existing plan (<10 yrs old) = 100 points		Points	0
Animal Habitat	Wetland Impacts (Habitat Loss)	Square Feet Lost	-2 point / 1000 sq. ft. lost	Points	0
	Area Treated to control Invasive Species.		yes = 30 points	Points	0
	Wildlife practices in application will be applied to improve habitat		1 - 4% of contract area improved = 25 points 5 - 9% of contract area improved = 50 points 10% of contract area improved = 100 points	Points	0
Animal Management	T&E Species or At Risk Species protected according to plan developed w/Biologist		Federally Listed = 100 State Listed = 75 At Risk Species = 50	Points	0
Social Considerations Cultural Resources	Specific Practices Planned w/CRS to protect a National Register Eligible Site		100 points	Points	0
Storm Damage	Conservation practices planned to repair or restore storm damaged agricultural lands. Applicable where EQIP cost overrun funds or emergency program funds are not eligible.		yes = 100	Points	0

**Primary Concerns - Water and Air Quality
Forestland Health
January 6, 2006**

Resource Concerns	Criteria	Measure	Calculation			Points
Land Protection	Land Protected by Deeded Easement		10 to 29 Yrs. = 50 Pts.			0
			30 to 100 Yrs. = 75 Pts			
			Permanent = 100 Pts.			
Innovative Conservation Practices	Applying new Interim Conservation Practice Standards & Specs. (Does not include 702, 719, & 731)		25 points for each practice used.			0
Additional Practices Toward RMS (From Approved Practice List (Must improve treatment level of resource)	RMS Level of Resource Management o Forestland.		100 Points if practices in application will complete an RMS on Forestland.	Points		0
				Number		
	Improved Level of Resource Management on Headquarters, Hayland, Pastureland, Cropland or Wildlife land.		5 Points for Each Practice Used on another Primary Land Use (List Practices on CCC-1200)			0

Acres Treated Does Not Include Planned Acreage

Total Points =	0
Acres Treated	
Total project cost =	

Final Score = $\frac{\text{total points}}{\text{total cost/acres treated} \times 100}$

FINAL SCORE	#DIV/0!
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Primary Concerns - Water Quantity and Quality
Water Conservation
January 6, 2006

Name:

Date:

Resource Concerns	Criteria	Measure	Calculation	Points	Points
Soil Erosion (Sheet & Rill and Ephemeral Gully.	Tons of soil saved on the treatment area.	Tons/Ac saved (as calculated using RUSLE2 for sheet and rill)	Ave. 0 - 2 T/Ac Saved = 5 points Ave. 2 - 5 T/Ac Saved = 10 points Ave. 5 - 10 T/Ac Saved = 15 points Ave. > 10 T/Ac Saved = 20 points	Points	0
Soil Condition	Cover Crop, Mulch Tillage, or Mulching to improve Soil Tilth.		Cover Crop used = 10 points Mulching used = 20 points Conserv. Tillage = 30 points	Points	0
Water Quantity	Proper Irrigation Water Management to reduce excess water applied during peak irrigation season	Percent reduced from present: 25% = 50, 20% = 40, 15% = 30, 10% = 20, 5% = 10	% Reduction Factor = Points	Points	0
	Tailwater Recovery planned to collect and reuse water		25 points if Tailwater is collected and reused.	Points	0
	Recirculation and Reuse of Water		50% Reuse = 20 pts, 50 - 75 % = 30 pts, >75% = 40 pts	Points	0
Water Quality	Reduction of pollutants delivered to surface or ground water sources.	Pest Management Applied	Yes = 20 points; Will actively use IPM principles to minimize PM effects on environment = 40 pts	Points	0
		Nutrient Management Applied	Yes = 50 points		0
		Waste management and Treatment Practices for Fish Production Facilities In application	Yes = 50 points		0
		Buffers/Filter Strips installed - Width (ft): 10'-15' = 10 16'-34' = 15 35'+ = 20	Buffer Factor = points		0
Plant Condition Vigor and Survival	Activities to sustain plant vigor and ability to survive.		Sprinkler system to Micro = 20 points		0
Animal Habitat	Wetland Impacts (Habitat Loss)	Square Feet Lost	-2 point/1000 sq. ft. lost		0
	Area Treated to control Invasive Species.		yes = 30 points		0
	<u>Wildlife practices in application will be applied to improve habitat.</u>		1 - 4% of contract area improved = 25 points 5 -9% of contract area improved = 50 points 10% of contract area improved = 100 points		0
Animal Management	T&E Species and "At Risk Species" protected according to plan developed w/Biologist		Federally Listed = 100 State Listed = 75 At Risk Species = 50		0
Social Considerations (Cultural Resources)	Specific Practices Planned w/CRS to protect a National Register Eligible Site		100 points Max.		0
Storm Damage	<u>Conservation practices planned to repair or restore storm damaged agricultural lands. Applicable where EQIP cost overrun funds or emergency programs are not eligible.</u>		yes = 100		0

**Primary Concerns - Water Quantity and Quality
Water Conservation
January 6, 2006**

Resource Concerns	Criteria	Measure	Calculation			Points
Land Protection	Land Protected by Deeded Easement		10 to 29 Yrs. = 50 Pts.			0
			30 to 100 Yrs. = 75 Pts			
			Permanent = 100 Pts.			
Innovative Conservation Practices	Applying new Interim Conservation Practice Standard & Specs. (Does not include 702, 719, & 731)		25 points for each practice used.			0
Additional Practices Toward RMS (From Approved Practice List (Must improve treatment level of resource))	RMS Level of Resource Management on Irrigated Cropland		100 Points if practices in application will complete an RMS on irrigated cropland.	Points		0
				Number		
	Improved Level of Resource Management on Non-Irrigated Cropland, Headquarters, Hayland, Pastureland, Forestland, or Wildlife land.		5 Points for Each Practice Used on another Primary Land Use (List Practices on CCC-1200)			0

Total Points =	0
Acres I Treated	
Total project cost =	

Final Score = $\frac{\text{total points}}{\text{total project cost/acres treated} \times 100}$

FINAL SCORE	#DIV/0!
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