		Pasture Condition	n Scoresheet - Co	rnell Small Farms	Program 2016			
Farm Name	istell common		VM	Date Date	u/>//_			
Paddock Description	wellspring upland di		<u> </u>	Paddock number	7/3/16			
<del></del>	ipitation (check one)		Normal 😾	Below Normal	5			
	rate each indicator based	upon your observations	. Scores for each indicat	or may range from 1 to 5		e weight to	get we	eighted
points. Sum the weighted points to determine overall CSP pasture condition score.								
Indicator/Weight	1 Points	2 Point	3 Points	4 Point	5 Points	Points	WŁ.	Wtd. Pts.
Percent Desirable Plants 10%	Desirable species <20% of stand Annual weeds andfor woody nor desirable Invasives are dominant.	Desirable species 20-40% of stand Mostly weedy annuals and/or woody invasives present and expanding. Shade is a factor.	Desirable species 40-60% of stand Weeds and annual non desirable weedy gresses invading. Some woody species invading	2. 3 50-80% of plant community are desirable species. Remainder mostly intermediates and a few undesirables are present.	Desirable species exceed 80% of plant community with scattered intermediates. No undesirables present.	19/50 (3.2)	1.0	3.2
Live Plant Cover 15%	Canopy: <50% Photosynthetic area is very low. Very little plant cover to slow or stop runoff.	Canopy: 50-70% Photosynthetic area is low. Runoff is fast due to low plant cover.	Cenopy: 70-90% Most foreges are grazed close, with little leaf area to intercept sunlight. Runoff is moderate due to moderate plant cover.	Canopy: 90-95% Spot grazed so there is some foss of photosynthetic potential. Runoff is low due to good plant cover.	Canopy: 95-100% Forages are maintained in leafy condition for best photosynthetic activity. Stands are very thick stand with slow or no runoff flows.	3 (2)	1.5	3.9
Plant diversity 10%	One dominant (>75% of DM wt.) forage species is present. Or, over 5 forage species are present (all < 20%) from 1 dominant functional group, not evanly grazed - poorly distributed.	I S Two to five forage species are present from 1 dominant functions group (> 75% of DM wt). At least one avaided by livestock and mature seedstalks are displayed.  Species in petches.	Three forage species are present (each > 20% of DM wt.) from 1 functional group. None are avoided. Or, one forage species each from two functional groups, both supply 25-50% of DM wt.	Three to four forage species representing 2 functional groups are present are present (each ≥ 20% of DM wt.) with at least one being a legune. Well inter-mixed, competible growth habit, and comperable palatability	Four to five forage species representing three functional groups (each 20% of DM wt.) with at least one being a logume intermixed well, comparable growth habit, and comparable palataviity.	11/5	1.6	2,2
Plant Residue (organic material covering soil) 3%	Ground cover: No dead leaves of stems present on soil surface. On heavy thatch is evident (>1 inch).	Ground cover: 1-10% is covered with dead leaves or stems. Or, thatch is 0.5 inch to 1 inch thick.	Ground cover: 10-20% is covered with dead leaves or stems. Or, there is slight thatch buildup but <0.5 inch.	Ground cover: There is 20-30% covered with dead leaves or stems but there is no thatch present.	Ground cover: 30-70% is covered with dead leaves or stems, but there is no thatch buildup.	9/5 (18)	0.2	.36
Plant Vigor 20%	There is no recovery after grezing. More than 80% of plants are pale yellow or brown, or permanently wilted, or lost due to insects or disease. Yields are regularly more than 30% bellow site potentiat; or there is lodged, dark green overty lush forege, often evolded by grezers.	Recovery after grazing takes 2 or more weeks longer than normal, or 50% to 80% of plants are yellowish green leaves, or there is mejor insect or disease yield loss, or plants are willed most of day. Productivity is very low, 20-30% below site potential.	Recovery efter grazing takes 1 week longer than normal, or the urine/dung patches are dark green in contrast to reat of plants, or there is minor insect or disease loss or mid-day plant wilding. Yields are regularly 10-20% below site potential.	Recovery after grazing takes 1 to 2 days longer than normal; 50 to 80 % of plants appear turgid and of natural green for the crop, or there is minor insect or disease damage. No plant are wilting, Yields are near site potential.	Repid recovery after grazing. More than 80% of the plants appear turgid and of natural green color for the crop. There are no signs of insect or disease damage. Yields are near the potential for the species, adapted to the site's soil and dismate. Desirable plants appear very competitive.	5	2.0	8
Percent Legume 5%	CS: legumes are < 10% by wt. Or, greater > 60% WS , 5% legumes by wt., Or, > 60 %.	CS: 10-19% legumes. Or, losing grass, 40-60% spreading legume. WS: 5-9% legumes Or, losing grass, 40-60% spreading legume	1 2 3 CS: 20-29% legumes. WS: 10-19% legumes.	4 5 CS: 30-39% fegumes. WS: 20-29% legumes.	CS: 40 - 60% legumes. No grass loss; grass may be increasing. WS: 30-40% legumes. No grass loss; grass may be increasing.	1 <i>7/</i> 3.4)	0.5	1.7
Uniformity of Use 7%	Little-grazed patches cover over 50% of the pesture. Mosaic pattern found throughout pasture or identifiable eross of pasture avoided.	Little-grazed patches cover 30- 50% of the pasture either in a mosaic pattern or obvious portion is not fraquented.	Little-grazed patches cover 20- 30% of the pasture either in a mosalc pattern or obvious portion is not frequented.	Little-grazed patches or minor spots cover 10-20% of the pesture where isolated forage species are rejected. Urine and dung petches are avoided.	of the pasture only at urine and	21/5	0.7	2,14
Livestock Concentration Areas 10%	Cover >10% of the pasture; or all convey contaminated runoff directly into water channels.	Livestock cone areas and trails cover 5-10% of pasture; most close to water channels and drain into them unbuffered.	Isolated livestock conc. areas and trails cover 3-5% of area; one close to water channel and drains into it unbuffered.	Some Westock trails and one or two smell concentration areas cover <3% of the pasture. Buffer areas are between them and water channels.	No presence of livestock concentration areas. Areas ere well sited, or treated to minimize contaminated runoff.	19/ 5 3.8)	1.0	3.8
Soil Compaction (Probe moist soil) 5%	Very hard to push probe into soil without damaging the probe. Infilleration capacity and surface nuroff severely affected by heavy compaction. Excessive fivestock traffic killing plants over wide areas.	Hard to push probe past compacted layers. Livestock trails common throughout the pasture. Off-trail hoof prints common. Infiliration capacity is lowered and surface runoff increased due to large areas of bare ground and dense compaction layer at surface.	Soil resistant to soil probe entry at one or more depths within plow depth. Infiltration capacity lowered and surface runoff increased due to plant cover loss and soil compaction by livestock hooves.	Probe enters soft easily except at rocks. There are scattered signs of livestock traits and hood prints, confined to lanes or small, wet areas. Infiltration capacity is lowered and surface runoff is increased due to reduced vegetal cover/retardance.	Probe enters soil easily. Soil is friiable and biological activity is evident, especially around manure piles. Infiltration capacity and surface runoff are equal to that expected for an ungrazed meadow, not effected by livestock traffic.	18/ 5 (3,6)	0,5	1.8
Erosion 15%	Sheet and rill erosion is active throughout pesture; rills are 3-8 inches deep at close intervals and/or grazing terracettes are close-spaced with some slope slippage.	Most sheet and rill erosion is confined to sleepest terrain of unit, well defined rills are 0.5-3 inches deep at close intervals and/or grazing terracettes are present.	Most sheet and rill erosion is confined to heavy use areas, especially in loafing areas and water sites; ritls are 0.5-3 inches deep. Debris tans are found at down stope edge.	No current formation of rills. There is some evidence of past rill formation, but they are grassed. Scattered debris dams of litter are occasionally present.	I 23 9 No evidence of current formation of sheel flow or rills.	24/ 5	1.5	4,8
Overall Pasture Condition Score	Individual Indicator Score	Management Change Suggested Overall Pacture Condition Search			_	-Ber		
45 to 50	5	No changes in management needed at this time.			_	9.0		
35 to 45	4		es would enhance, do most b			S		7
25 to 35 )	3 2		yould benefit productivity and ate management changes, hi				- (	<b>う</b> よ

Comments/Notes

<b>Biological Monitoring Data -</b>	Basic
(Five needed per transect)	

Property Wellsping For	754 Farm Transect/Plot Number 5 Photo No's
Date 4/3/16	Examiner(s) 5 Gabriel
1 • Soil Surface. Describe the nature nature of the bulk of the soil surface between plants. (Is it bare,capped, broken, covered with litter, covered with algae and lichen, hard, soft, porous, etc.? Are their signs of soil movement/erosion, such as pedestaling, siltation in low points, etc?)	Soil surface in 2,3,4 was covered with little + Soft, land 5 were more bore and hard. Minimal signs of erosion
2. Animal Sign. What signs of animal life are present (small or large animals, birds, insects, reptiles)?	Some bird poo In 3+4 evidence of worms in 1+5 der poop hear 4
3. Litter. If there is litter present, describe its quality/ condition (fresh, old, or breaking down so it is hard to distinguish where litter ends and soil begins).	brown but not too old in all plots
4. Perennial Grass Condition. If perennial grasses present, describe their condition. (Are they healthy, mature, young, seedlings, dead/dying, overrested, overgrazed?)	healthy clumps of timothy to trye grass with decent clove coverage
<ol><li>Grass Species. List grass species in the plot if you know their names.</li></ol>	timothy ryegrass
<b>6. Other Plants.</b> List or comment on other non-grass plant species present (legumes, forbs, etc.).	Clove-rel
7. Points of Interest. Note any other points of interest, including things that might not show well in the photo.	one of the Sheeps favorite pastures, regrows pretty fast