Supplement 1a – Data collection sheets for the survey of animal welfare and work equipment indicators

	Animal-c	art ID							
1	Animal-Cart Unit Record								
-	Town:	Bisho Shash Selale	amene	Location:	Date:/_				
I	Animal Signalment								
	Species: Donkey Horse Mule				Gender: Fen	nale	Male Entire	Male Castrated	
	Age:	years	Height:	cm	Breed:				
Ι					Work				
	Work Type:	% Taxi % Trar	(people) nsport goods		Work per da week:	ys pla	erage nned break ing work:	s breaks	
			nsport water er:		Work per day: ——— ho	dur		minutes	
1				Welfare I	Parameter Scores				
General Positive BCS: Attitude: Non-reactive Negative					- Very thin 2 - Thin 3 - Ideal 4 - Fat 5 - Very fat	Gait:	Severel	ately lame ly lame ight-bearing	
	Response to Spinal Contact:	Wea	eaction k reaction ng reaction	Score:	t Hind 0 (normal) 1 (1 abnormal) 2 (both abnormal)	Hoof Score:		d O (normal) 1 (1 abnormal) 2 (both abnormal)	
	Shoes:	x1 x2 x3 x4	No Shoes	Type:	Metal Rubber Other:	Harness Remove Assessn	ed for	BCS Gait Spinal Contact Wounds	
Ι	Wounds Phot								
	Size: 1 = small; 2 = medium; 3 = large / Severity: 1 = superficial/healed; 2 = skin and subcutaneous; 3 = deeper structures								
			ess-Related		l	Number	Other Wo		
	Bit	Number	Size (1-3)	Severity (1-3)	Encouragement	Number	31ZE (1-3)	Severity (1-3)	
	Blinker				Hobble				
Ch	est-band				Traditional				
	Girth				Practices				
	Saddle				Limbs				
	Tail Shafts				Other		<u> </u>		

Harness								
	Ter	ansmission			Bros	ahina	□ et ata	
Present			adding	Material	Pres	eching ent	☐ Photo Material	
Breast collar No Width:	Fabric Nylon Leather	Pectoral High Low	Yes No hickness Adequate Inadequate	Fabric Nylon Leather Rubber Rope Other:	Asse	No Yes - True Yes - False embly Adequate	Fabric Nylon Leather Rubber Rope Other:	
Present	Material	Pi	resent	Material		Steer	ing	
Neck Strap Photo Adjustable Yes No	Fabric Nylon Leather	Traces	Yes No No Iovement Free Not Free	Fabric Nylon Leather Rubber Rope Other:	Blin!	Condition res Good	Photo Size Fit Not fit	
Swingle Yes Photo No	Traces attach Mo Yes No	Yes positi	breast collar ioned through oint of ht?	Yes No	Rein	is /es Move	Touching Photo Freely move freely	
		1	Weight Distribu	ution				
Saddla		1	Weight Distrib	ution	Saddla Da	dding		
Saddle Present Material	Shape				Saddle Pa		Description	
Saddle Present Material Yes Wood No Meta Other	I ⊟No	Position Adequate Withers Back	Fit Pres	sure Points Narrow Wide	Saddle Pa Padding Yes No	dding Thickness Adequate Insufficie Excessive	nt	
Present Material Yes Wood No Meta	Gullet	Position Adequate Withers Back	Fit Pres	Narrow Wide	Padding Yes	Thickness Adequate Insufficie Excessive	nt	
Present Material Yes Wood No Meta	Gullet No Gullet Gullet	Position Adequate Withers	Fit Pres	Sure Points Narrow Wide Tugs None Yes -	Padding Yes No No Goose tight Gos Girth Crupper	Thickness Adequate Adequate Insufficie Excessive Do shafts prenter of g No Yes - Ho Yes - No Appropriat Yes No - To	pass through gravity? prizontally the thorizontal te shaft width?	
Present Material Yes Wood No Meta Other Back Band None Fabric Nylon Leather Rubber Rope	Girth Solution Girth None Fabric Nylon Leather Rubber Rope	Position Adequate Withers Back Belly Band None Fabric Nylon Leather Rubber Rope	Fit Pres Tight Loose Crupper None Fabric Nylon Leather Rubber Rope	Sure Points Narrow Wide Tugs None Yes - 1	Padding Yes No No Goose tight Gos Girth Crupper	Thickness Adequate Insufficie Excessive Do shafts p center of g No Yes - Ho Yes - No Appropriat Yes No - To Is the girth	pass through gravity? prizontally the Horizontal te shaft width? o wide to narrow Is the harnes:	
Present Material Yes Wood No Meta Other Back Band None Fabric Nylon Leather Rubber Rope Other:	Girth Sollet Sirth None Fabric Nylon Leather Rubber Rope Other:	Position Adequate Withers Back Belly Band None Fabric Nylon Leather Rubber Rope Other: Cart Wood Pneumatic	Fit Pres Tight Loose Crupper None Fabric Nylon Leather Rubber Rope	Tugs None Yes - 1 Saddle Backband Belly Band Axle on balance:	Padding Yes No No Goose tight Gos Girth Crupper	Thickness Adequate Insufficie Excessive Do shafts p center of g No Yes - Ho Yes - No Appropriat Yes No - To	pass through gravity? prizontally it Horizontal te shaft width? o wide	
Present Material Yes Wood No Meta Other Back Band None Fabric Nylon Leather Rubber Rope Other: Other:	Girth Sollet Sirth None Fabric Nylon Leather Rope Other:	Position Adequate Withers Back Belly Band None Fabric Nylon Leather Rubber Rope Other: Cart Wood Pneumatic	Fit Pres Tight Loose Crupper None Fabric Nylon Leather Rubber Rope Other:	Tugs None Yes - 1 Saddle Backband Belly Band Axle on balance:	Padding Yes No No No Ves Ves Ves Ves Ves Ves	Thickness Adequate Adequate Insufficie Excessive Do shafts presenter of g No Yes - Ho Yes - No Appropriat Yes No - To No - To Is the girth adjustable? Yes	pass through gravity? prizontally the Horizontal te shaft width? o wide to narrow Is the harnes clean?	

Supplement 1b – Data collection sheets for the questionnaires to working equid cart-drivers

Animal-cart ID								
Animal-Cart Unit Record								
Bishoftu Town: Shashamene Loca	ation:	Date	e://					
Demographics								
Gender: Male Age:	ot say lependents:	Level of Education:	□ No formal education □ Primary education □ Early secondary □ Late secondary □ Tertiary education □ Rather not say					
Occupat	ion Relating to Worl	ring Fauids						
Ownership of Owner and Numbe	r Experie	ence er: years	Is driving the Yes main occupation: No					
Given your current needs and financial responsibilities, would your household are:	percentage of income derive	Enjoyment of driving d occupation: 1=strongly dislike 5=strongly enjoy	☐1 Source of Training ☐2 as a Driver: ☐3 ☐4					
	Choice of Equipmen	n t						
Are you responsible for the choice of cart and harness for your animal?	Yes No	If "No", who is?						
Where have you obtained your harness equipment?	☐ Purchased ☐ Inherited ☐ Donated		sed and home-made					
If "Home-made" or "Partly purchased and home-made", please explain why:	☐ Cost ☐ Availability ☐ Tradition	Design Responsibility Other:	<i>'</i>					
If "Purchased" or "Partly purchased", where was it purchased from?								
What is the near cost of your harness?								
What is the near cost of your cart?								
Which factors influence your decision when choosing this equipment? (select as many as apply)	Cost Design Materials Tradition	☐ Ease of use ☐ Popularity ☐ Maker ☐ Culture	Location Recommendation Availability Other:					
Which of these factors has the highest importance to you? (select only one)	Cost Design Materials Tradition	Ease of use Popularity Maker	Location Recommendation Availability					

Equipment Maintenance								
Does the work equipment you use receive any routine maintenance?								
Are you responsible for the routine maintenance of the equipment? Yes No If "No", who is?								
With what frequency does the work equipment you use receive maintenance and how is the maintenance best described?	Daily Wee	kly othly ly	Harness	Br Oi	specting leaning rushing iling ther:			
	Assembly and	Hitching						
Are you responsible for assembling the	☐ Yes	-	o", who is?					
harness and hitching your animal?	No		- 33					
How have you learnt about harness assembly and hitching?			her drivers rness make	_	Research Other:			
Where do you go to for additional information about work equipment?	Other driv Harness m Research	naker Ve	mmunity terinary ofessionals	E	NGOs Other:			
If possible, would you change anything about your current harness or cart?								
Do you believe your harness is currently assembled correctly? ☐ Yes ☐ No ☐ Not sure								
Do you feel your current equipment is eff	icient?	Ye	s N	0	Not sure			
Do you think about load distribution whe	n loading the o	art? Ye	s N	0	Not sure			
If "Yes", how do you aim to distribute the load?								
	mal Equipmen		12. = "					
Do you remove the harness from the animal during rest periods at work? Yes No Sometimes								
Do you think the harness can influence the animal's ability to work?								
Do you think the cart can influence the ar	Yes	☐ No	Not sure					
Do you feel your current equipment is co	Yes	☐ No	Not sure					
In the past year, how many times has you		times	☐ Not sure					
In the past year, has your animal Yes If "Yes", developed harness related wounds? No how often				ely asionally	Often Very often			
Do you take any measures to prevent the development of wounds?	hich measu	ires?						
	Comme	nts						