Summary overview:

Standardised Equine-Based Welfare Assessment Tool (SEBWAT)

Purpose and description



The purpose of SEBWAT is to provide an overview of the general welfare condition of working equine animals, both individually and cumulatively. The tool comprises 40 animal-based measures of relevance to working equine welfare, and some additional data identifiers. These are summarised in the table below.

Category	Measures					
Identifiers and descriptive	Date and time of assessment	Age				
information	Assessor identification	Sex				
	Animal identification	Species				
	Owner identification	Work type				
	Location					
Behavioural parameters	Response to observer approach	General attitude				
	Response to chin contact	Tail tuck (donkeys)				
General health parameters	Eye condition	Diarrhoea				
	Mucous membrane colour	Ectoparasites				
	Nasal discharge	Body condition score				
	Respiratory noise					
Lesions on defined body areas	Lips	Ribs/flank				
	Head/ears	Girth/belly				
	Neck	Hindquarters				
	Breast/shoulders	Hind limbs				
	Fore limbs	Tail/tail base				
	Клее	Genital/rectal				
	Withers/spine					
Deliberately induced conditions	Tail mutilation	Muzzle mutilation				
	Ear mutilation	Firing lesions				
Pain-related parameters	Response to spinal contact	Gait				
Hoof and limb parameters	Swelling of lower limbs	Hoof shape				
	Hobbling lesions	Hoof quality				
	Interference lesions	Frog condition				

Uses

SEBWAT data can be utilised in a variety of ways, dependent upon the purpose and objectives of welfare assessment, the nature of information required from the equine population, and intended audience. The table below provides examples of potential uses of SEBWAT data, and ways in which resultant information can be applied within the Brooke context. Alternative applications may be relevant for different contexts.

Use of data	Application of findings					
Identify the nature of	There is variation in welfare problems in different working equine contexts.					
welfare issues in	Identifying those in a given population informs decision-making as to which					
equine populations	project activities, implementing staff or partner organisations will be most					
	appropriate to address the problems.					
Identify the	With SEBWAT, all animals are assessed in a standardised manner, therefore					
prevalence of	data can be analysed cumulatively and used to calculate prevalence of					

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different welfare	welfare issues in a given population, which enables welfare issue							
issues in equine	prioritisation.							
populations	The steadenticed action of CEDWAT each les serves viseus and house							
Compare welfare status between	The standardised nature of SEBWAT enables comparisons and bench-							
different locations or	marking between different locations. Relative welfare strengths and weaknesses at different locations can be ascertained, enabling project							
	activities to be tailored accordingly. This can also direct further							
groups	investigation into risk factors for poor welfare, and identification of positive							
	welfare practices.							
Identify groups of	The collection of descriptive information (e.g. work type, sex, species,							
animals in greatest	location) in addition to welfare measures permits data analysis according to							
welfare need	these variables and indications of potential risk factors to be extracted from							
	this data. Identification of high risk groups enables project activities to be							
	targeted towards animals in greatest need.							
Identify seasonal	Collecting SEBWAT data at different times of year enables identification of							
variation in welfare	variation in welfare according to climatic or work season, enabling project							
issues	activities to be tailored accordingly.							
Provide a welfare	Collecting SEBWAT data at the beginning of a project provides baseline							
baseline for a project	information on the current welfare status of the equine population and							
	facilitates monitoring through subsequent re-assessment. The standardised							
	nature of the SEBWAT enables comparisons to be made between datasets							
Dura da a marca af	collected at different times.							
Provide a means of	Re-assessment of the equine population can be conducted at various stages							
monitoring animal- based impact of	throughout the project for monitoring purposes. Data can be compared with the baseline in order to:							
project activities	- Identify whether desired positive welfare changes have been achieved and							
	to what extent							
	- Identify unintended negative consequences of project activities							
	- Identify unexpected positive consequences of project activities							
	- Assess progress towards achieving targets							
Re-assess for	Re-assessment can be conducted at the end of a project or phase to							
evaluation purposes	contribute to project evaluation (endline data).							
Generate animal-	SEBWAT parameters can be used as indicators for performance targets for							
based targets	projects.							
Generate animal-	SEBWAT parameters can be used as criteria for determining the time of							
based exit criteria	exit/discontinuation of a project. Subsequently, periodic re-assessment can							
	be implemented to monitor the extent to which welfare changes are sustained following exit. This can help inform whether threshold exit							
	criteria were appropriate.							
Consolidate with	SEBWAT data can be triangulated with that from other sources, e.g.							
information from	resource, environmental, and human-based measures. This supports							
other sources	assessment of the extent to which perceived change in these components							
	translates into welfare change, thus validating the validity of this welfare							
	information.							

Training

- SEBWAT assessors complete a 10-day training course, culminating in a written theory examination and a practical standardisation test on 20-30 animals. Trainees must attain 70% in the former and 80% in the latter to qualify.

- Training also encompasses equine welfare, behaviour and handling, to ensure capability to collect data without compromising equine welfare or human safety. - Assessors are encouraged to refer to the SEBWAT guidance notes, which contain detailed descriptions and photographs of all assessment protocol and scoring criteria, during data collection. These are intended for use only by those who have undertaken formal SEBWAT training, and alone do not constitute an adequate substitute.

- Assessors conduct periodic re-standardisation with a central trainer to maintain consistency.





Data collection

- Data are collected by pairs of SEBWAT assessors; typically one examines the animal and the other verifies and records the scores. Assessors are advised to rotate roles after every five animals to reduce fatigue and encourage optimum concentration and focus.

 Animals are restrained using a correctly-fitted headcollar or halter, and controlled by an experience handler.
SEBWAT takes 5-10 minutes per animal, and is conducted at the place of work or accommodation. Harnessing is removed whenever possible - animals may be assessed in harness if necessary, but not if bearing a load.

- Consent is obtained from owners/users and the purpose and nature of data collection explained. On completion, assessors provide advice on any treatment, follow-up and preventative action the animal requires.

Data handling

- Data are entered into a purpose-built in-house database, either manually if collected on paper, or electronically if a digital recording device was used. Double checking the accuracy of data transfer occurs at the time of entry/upload, and is followed by triple checking a sample of records for quality control and correction or errors as necessary.

- In-built data analysis tools enable easy manipulation, for example, generation of spreadsheet summaries of selected datasets, filtration of records according to various criteria, and download/export of raw data for statistical analyses.

	N19 * 🔿 🎜 Not	observed										_		
	A	В	с	D	E	F	G	н	1	J	K	L	м	N
1	Name	OperationalArea	SubRegion	Community	Collection_ID	mDate	mtime	OwnerID	Type_of_work	Species	Sex	obse	chin_	tail_tuck
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
2	2013	Birganj	Bara	Bhawanipur	50044	06/01/2013	16:16	31	TPC	н	M	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
3	2013	Birganj	Bara	Bhawanipur	49958	06/01/2013	16:35	54	TPC	н	м	2	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
4	2013	Birganj	Bara	Bhawanipur	49955	06/01/2013	16:20	50	TPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
5	2013	Birganj	Bara	Bhawanipur	49985	06/01/2013	09:38	48	TPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
6	2013	Birganj	Bara	Bhawanipur	49987	06/01/2013	10:19	3	TPC	н	м	0	1	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
7	2013	Birganj	Bara	Bhawanipur	49992	06/01/2013	10:40	33	TPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
8	2013	Birganj	Bara	Bhawanipur	49997	06/01/2013	12:39	10	TPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
9	2013	Birganj	Bara	Bhawanipur	50000	06/01/2013	12:47	16	TPC	н	м	0	1	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
10	2013	Birganj	Bara	Bhawanipur	50002	06/01/2013	12:58	16	TPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
11	2013	Birganj	Bara	Bhawanipur	50006	06/01/2013	11:06	42	TPC	н	м	0	1	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
12	2013	Birganj	Bara	Bhawanipur	50009	06/01/2013	11:28	13	TPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
13	2013	Birganj	Bara	Bhawanipur	50012	06/01/2013	11:33	12	TPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										
14	2013	Birganj	Bara	Bhawanipur	50013	06/01/2013	11:57	22	TPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;	0100001		Gunj	50022	06/01/2013	12:25		TPC		M			
15	2013	Birganj	Bara	Bhawanipur	50022	06/01/2013	12:25	62	TPC	н	M	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj						н	м	0		
10	2013	Birganj	Bara	Bhawanipur	50027	06/01/2013	13:07	14	TPC	н	M	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;	Birmal		Gunj		es los losso			TPC				Ι.	
17	2013 Nepal: Birgani: Bara: Guni Bhawanipur:	Birganj	Bara	Bhawanipur	50029	06/01/2013	15:50	71	IPC	н	м	2	1	Not observed
		Disease	Bara	Gunj		06/01/2013	16:00		TPC	н	м	0		Not observed
18	2013	Birganj	Bara	Bhawanipur	50031	06/01/2013	16:00	44	TPC	н	M	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj		05/01/2013			TPC	l	l	0		
19	2013	Birganj	Bara	Bhawanipur	50017	06/01/2013	12:16	70	IPC	н	м	0	0	Not observed
	Nepal; Birganj; Bara; Gunj Bhawanipur;			Gunj										