

Risk Assessment: Archery

Venue	Baby Moon Wood	Completed by:	Morgan Lax	Date:	2 nd Jan. 2019	Review Date:	2 nd Jan. 2021
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Description of site / activity / tools:

Archery is both a stand-alone activity that participants may come specifically to do, as well as an element of larger programmes.

	Hazard	Harm	People at Risk	Existing Control Measure	Likelihood (1-3)	Severity (1-3)	Rating LxS (1-9)	New Control Measure Who? When?	Comments
1.	Waiting participant struck by arrow	Injury/death	Participants	<ul style="list-style-type: none"> Clear separation of waiting line and shooting line Range layout is explained in the initial briefing Bow safety explained- arrows must always point to the target Instructor monitoring safety- including the direction that arrows are pointing “STOP” command explained and used if necessary Verbal warning used if a participant is doing this on more than one occasion Participant removed if there is a persistent safety risk 	1	3	3		Archery GB recommends 4.5m distance- due to the space available- this is reduced slightly. However, the waiting area is separated by a physical barrier and not just a line on the ground.
2.	Participant at shooting line struck by arrow	Injury/death	Participants / Instructor	<ul style="list-style-type: none"> Bow safety explained- arrows must always point to the target Instructor monitoring safety- including the direction that arrows are pointing “STOP” command explained and used if necessary Verbal warning used if a participant is doing this on more than one occasion Participant removed if there is a persistent safety risk 	1	3	3		
3.	Member of the public struck by arrow	Injury/death	Public/ unrelated to activity	<ul style="list-style-type: none"> Archery range located in an area where there is unlikely to be other guests from Baby Moon- there are no paths The site is private so it is highly unlikely that members of the public 	1	3	3	<ul style="list-style-type: none"> Signage may be used if necessary- warning people not to enter the archery area Brash barrier is being 	This is the hazard the Rewilding has least control over!

				<p>would be present</p> <ul style="list-style-type: none"> • Large bank to the left acts as both a natural barrier to prevent people entering the range as well as an effective means of stopping arrows • To the right of the range is a bank down to a river- this is a natural barrier excluding people/preventing them entering the range <ul style="list-style-type: none"> ◦ both of these allow for 23m of <i>side safety area</i> (as recommended by Archery GB) • Behind the bosses is a distance of at least 101m (Archery GB's recommended overshoot area)- this is not cordoned off but due to t being a dense forest with not paths the forest boundary is considered the cordon • The geography behind the bosses rises and serves to catch arrows • 6m x 2.7m net also used at the top of the rise to prevent arrows entering the overshoot area 				constructed to prevent people entering the archery range	
4.	Arrow into bow hand during draw	Injury/Puncture wound	Shooting participant	<ul style="list-style-type: none"> • Demonstration of technique • Oversize arrows used as standard • Instructors to monitor arrow tips when bow is being drawn • Regular inspection of arrow rests to ensure that arrow remains in correct place 	1	2	2		
5.	Jabbed by an arrow carried by another	Injury	Participants / Instructor	<ul style="list-style-type: none"> • Due to the nature of the activity- the number of participants forward of the shooting line and collecting arrows will be limited • Verbal warning of the risk • Technique to carry arrows demonstrated during initial stage of the session • No running a standard rule of the range 	2	1	2		
6.	Carrying arrows and injuring self	Injury	Shooting participants	<ul style="list-style-type: none"> • Technique to carry arrows demonstrated during initial stage of the session • No running a standard rule of the 	2	1	2		

				<p>range</p> <ul style="list-style-type: none"> Arrows returned straight to ground quivers once collected 					
7.	Released string striking bow arm	Injury/bruise	Shooting participants	<ul style="list-style-type: none"> Long sleeves recommended Correct bow hold will reduce this Instructors watchful of the risk of those with hypermobile elbows 	2	1	2		Previously extensive archery sessions have been ran without bracers- the need for them will be monitored and purchased if here is a need
8.	Walking into arrow on ground when collecting	Injury	Shooting participants	<ul style="list-style-type: none"> Correct method to collect arrows demonstrated during initial stage of each session (walk down the side-collect grounded arrows after the ones from the boss) No running is a standard rule of the range First round of collecting arrows supervised by instructor(s) Sessions only take place during daylight Collecting of arrows monitored by instructor(s)- reminders given if needed 	2	1	2		
9.	Poked in eye when collecting arrows	Eye Injury/sight loss	Shooting participants	<ul style="list-style-type: none"> Correct method to collect arrows demonstrated during initial stage of each session First round of collecting arrows supervised by instructor(s) No running is a standard rule of the range Collecting of arrows monitored by instructor(s)- reminders given if needed 	1	2	2		
10.	Poke another in the eye when collecting arrows	Eye Injury/sight loss	Shooting participants	<ul style="list-style-type: none"> Correct method to collect arrows demonstrated during initial stage of each session First round of collecting arrows supervised by instructor(s) Collecting of arrows monitored by instructor(s)- reminders given if needed 	1	2	2		
11.	Arrow bouncing back to shooting line	Injury	Participants / Instructor	<ul style="list-style-type: none"> Suitable distance maintained between bosses and shooting line Target area monitored to ensure that it is free from materials that 	1	1	1		Tree removed in Oct. 2017

				would present a risk of causing the arrows to bounce back					
	Body/facial piercings being caught by the bow string	Injury	Participants	<ul style="list-style-type: none"> All sessions will be undertaken fully clothed! This risk is included in verbal briefing at the start of the session Instructors to be watchful for facial piercing and large ear piercing- intervention to be made where appropriate Plasters available to cover piercings or participants given time to remove them 	1	2	2		
	Breast being struck by bow string	Pain/Bruising	Participants	<ul style="list-style-type: none"> Correct stance, bow hold and draw should prevent this (i.e.- the string comes to the side of the breast) Instructors to be watchful for technique that would increase this risk, and/or people who would be more at risk of this hazard 	1	1	1		Sensitivity and tact needed to intervene if there is a need to
Comments/Concerns: This risk assessment will be reviewed in the event of any incident or near miss in order to be fully informed for the future. It is not an exhaustive list, and is written with experience of archery and bushcraft activities in mind and the incidents (or lack of) that have been encounter in the preceding 2 years. Also, reference has been made to the guidance provided during Archery Instructor's Course and the handbook provided on that course.					Recommendations: For bi-annual review- due Jan. 2021.				

