

ABMI Site # _____ Year: _____

Alberta Biodiversity
Monitoring Institute

www.abmi.ca

Remote Camera and ARU Field Data Sheets

Version 2016-28-07



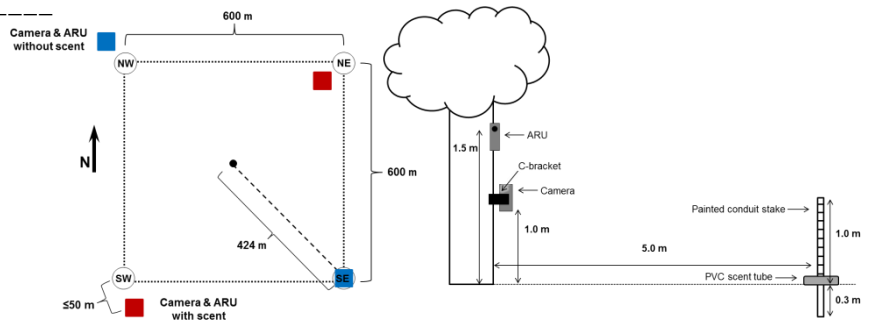
ABMI Site # _____ Year: _____

Camera & ARU Deployment

Site #: _____

Date: _____

Crew Members: _____



STATION		Camera Unit #		Time Set	
GPS Label ¹		Latitude		Longitude	
Alternate Used		SD Card #		File Prefix ²	
Camera Height Above Ground ³ (m)		Direction ⁴		Snow Depth ⁵ (m)	
Attachment ⁶		Scented ⁷		Yes / No	
Stake Distance (m)					
Test Photo Done ⁸		Yes / No		Standardized Photo Done ⁹	
				Yes / No	
				Set-Up Photo # ¹⁰	
Site Description ¹¹					
ARU Unit #		Time Set			
GPS Label ¹		Latitude		Longitude	
Distance to Camera (m)		File Prefix ²			
SD Card Number		Slot A:		Slot B:	
Snow Depth ⁵ (m)					
Mic # ¹²		Left:		Right:	
Test Recording Done		Yes / No			
ARU Height Above Ground ¹³ (m)		Direction ⁴		Set-Up Photo # ¹⁰	

STATION		Camera Unit #		Time Set	
GPS Label ¹		Latitude		Longitude	
Alternate Used		SD Card #		File Prefix ²	
Camera Height Above Ground ³ (m)		Direction ⁴		Snow Depth ⁵ (m)	
Attachment ⁶		Scented ⁷		Yes / No	
Stake Distance (m)					
Test Photo Done ⁸		Yes / No		Standardized Photo Done ⁹	
				Yes / No	
				Set-Up Photo # ¹⁰	
Site Description ¹¹					
ARU Unit #		Time Set			
GPS Label ¹		Latitude		Longitude	
Distance to Camera (m)		File Prefix ²			
SD Card Number		Slot A:		Slot B:	
Snow Depth ⁵ (m)					
Mic # ¹²		Left:		Right:	
Test Recording Done		Yes / No			
ARU Height Above Ground ¹³ (m)		Direction ⁴		Set-Up Photo # ¹⁰	

1 – Label GPS points using the following convention: [Site #]-[Station]-[CAM/ARU/BOTH]. Ex. 992-NE-BOTH. Use waypoint averaging when collecting coordinates.
 2 – **Camera:** File prefix should be ABMI[Site#]-[Station]-[Unit #]. For example the user label for camera unit 23 deployed at site 905 in the NE corner would be: "ABMI905-NE-23"
ARU: File prefix should be AB[Site#][Station][Unit #]. For example the user label for ARU unit 23 deployed at site 905 in the NE corner would be: "AB905NE23"
 3 – Record the height from the ground to the bottom of the camera when the unit is secured. Record in meters to the nearest 0.05 m. If you cannot measure down to the ground, write "DNC".
 4 – Record the direction that the camera/ARU is facing. **Camera:** North is ideal, then south. Avoid pointing the camera East or West unless absolutely necessary. **ARU:** North
 5 – Using a snow probe or shovel determine the snow depth to the nearest 0.05 m at a point 0.5 m directly in front of the unit.
 6 – Record what the camera is attached to and how. Use these abbreviations: TR= tree; TP= tripod; PS= post; PC= Python cable lock; BC= bungee cord; EB= eyebolt; PM= post mount; HC= hose clamp; SC= screw
 7 – Indicate whether the location is lured or not with YES or NO
 8 – Hold a laminated sheet with ABMI site number, station, camera # and date in front of the camera.
 9 – Use a corplast coverboard. Stand immediately in front of the camera and take two pictures of the coverboard (one 1 m left, and one 1 m right) of the 5 m stake, and two more at 10 m in front of the camera.
 10 – Take one photo of the camera and ARU set-up (or two photos if the units are attached to separate trees). Ensure the ground is visible at the bottom of the photo with the camera and ARU in the centre of the image
 11 – Describe any sign of animal activity, human or natural disturbance, and how much obstructing vegetation was cleared for the camera. General comments or descriptions should also be recorded in this section.
 12 – For SM2 units only. For SM3 units, write "VNA".
 13 – Record the height of the ARU microphones from the ground when ARU is secured. Record in meters to the nearest 0.05 m. If you cannot measure down to the ground, write DNC

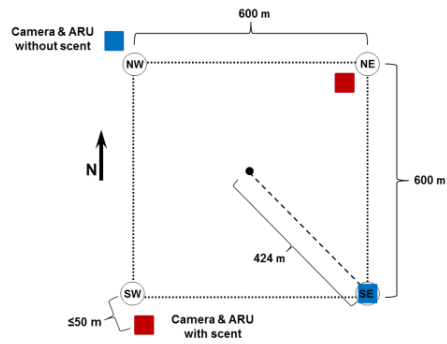
ABMI Site # _____ Year: _____

Camera Trap & ARU Retrieval

Site #: _____

Date: _____

Crew Members: _____



STATION		Camera Unit #		Time	
Test Photo Done ¹	Yes / No	Physical Condition ²		Mechanical Conditions ³	
Trail Presence ⁴		Open Areas ⁵		Water Features ⁶	
# of Photos ⁷		Card Status ⁸ (% full)		Remaining Battery ⁸ (%)	
File Prefix ⁹		SD Card #		Station Photos Taken ¹⁰	Yes / No
ARU Unit #		Time		Condition ²	
Card Status (% full)	Slot A:	Slot B:	Slot C:		
SD Card #	Slot A:	Slot B:	Slot C:		
File Prefix ⁹				Station Photos Taken ¹⁰	Yes / No
Comments ¹¹					

STATION		Camera Unit #		Time	
Test Photo Done ¹	Yes / No	Physical Condition ²		Mechanical Conditions ³	
Trail Presence ⁴		Open Areas ⁵		Water Features ⁶	
# of Photos ⁷		Card Status ⁸ (% full)		Remaining Battery ⁸ (%)	
File Prefix ⁹		SD Card #		Station Photos Taken ¹⁰	Yes / No
ARU Unit #		Time		Condition ²	
Card Status (% full)	Slot A:	Slot B:	Slot C:		
SD Card #	Slot A:	Slot B:	Slot C:		
File Prefix ⁹				Station Photos Taken ¹⁰	Yes / No
Comments ¹¹					

- 1 – Hold a laminated sheet with site number, station, camera # and date in front of the camera.
- 2 – Use the following categories: Excellent, Good, Fair, Poor.
- 3 – Record if the unit is operating as expected or not with the following categories: OK, Check
- 4 – Record if the camera is focused on a trail. Use the following categories: None, Game Trail, Cutline, Seismic, Transmission Line, Pipeline, Truck/Quad Trail, Gravel Road, Paved Road, DNC, VNA
- 5 – Record if the camera is focused on an open area. Use the following categories: None, Clearcut, Clearing, Pasture, Agriculture Field, Ravine Edge, Natural Burn, DNC, VNA
- 6 – Record if the camera is focused on a water feature. Use the following categories: None, Alkali, Marsh, Swamp, Beaver Dam, Lake, River, Stream, Wet Margin Lake, Wet Margin Wetland, Wet Margin River/Stream, Water (only use the last resort when no other option is applicable), DNC, VNA
- 7 – Record the number of photos that camera has taken.
- 8 – Use the "Check Status" option from the main menu for this information.
- 9 – Camera: In the menu select "Change Setup" → "Advanced" → "User Label" → "View"
ARU: In the "Song Meter Main Menu" scroll to "Settings" → "Location" → "Prefix"
- 10 – Take the the following photos in landscape view: NE, SE, SW, NW, SITE (representative), CANOPY. If the camer and ARU are on a single tree, take 6 photos in total.
- 11 – Note any unusual signs of activity or disturbance. (e.g. camera twisted or damaged, bear scat or quad tracks right in front etc.).