



## **PIKA SURVEY PROCEDURES:**

1. Navigate to survey site using route map, GPS point location and photo of reference point on trail. Enter name of site in column entitled "Site Name"  
-OR-  
Navigate to a talus field that you discover while hiking. Enter location information (GPS coordinates, datum and description) for the talus field.
2. Upon arriving at survey site or talus field walk about 20 meters away from the trail to a good vantage point within the talus deposit.
3. Sitting survey: Sit quietly for 30 minutes and watch and listen for pikas and calls throughout the talus deposit.
4. Traverse survey: Stand up and walk in a zig zag pattern across the talus deposit for 30 minutes. Continue to watch and listen for pikas while also looking under all of the largest boulders (over 3 feet) for haypiles and scat. You may choose to omit this portion of the survey.
5. If haypiles are found photograph them. Search within haypiles for scat. If scat is found collect 20- 30 pellets, place them in a small envelope and label with date, site name, and your name. Submit photographs and scat samples with your survey form.
6. If you need to spend additional time viewing area, verifying or watching pikas, please do so in full 15 minute increments.
7. Estimating the total number of pikas- Pikas defend territories of approximately 400 square meters. Therefore each pika observation (actual pika, call, haypile or scat) that is separated from another by at least 50 meters (165 feet) can be counted as an individual pika.
8. Document and photograph any additional distinct talus sites seen.
9. Document all pikas seen or heard outside of the official survey site on a Wildlife Observation Form (R-10). Note type of observation in comments.
10. Document all mountain goats and Clark's Nutcrackers seen or heard during your day of survey on a Wildlife Observation Form (R-10).
11. Return survey forms ASAP to Jami Belt by fax: (406)888-7903; email: jami\_belt@nps.gov; or mail GNP-CCRLC, PO Box 128, West Glacier, MT 59936

## **Wind Speed Categories (BEAUFORT SCALE)**

- <1 mph (<1kph)- calm; smokes rises vertically
- 1-3 mph (1-5kph)- direction of wind shown by smoke but not by wind vanes
- 4-7 mph (6-11kph)- wind felt on face; leaves rustle; wind vane moves
- 8-12 mph (12-19 kph)- leaves and small twigs in constant motion; wind extends light flag
- 13-18 mph (20-28 kph)- wind raises dust and loose paper; small branches move
- 19-24 mph (29-38 kph)- small-leaved trees begin to sway; crested wavelets form
- 25-31mph (39-49 kph)- large branches move; overhead wires whistle
- 32-38 mph (50-61 kph)- whole trees sway; walking against wind is difficult