

## NEED to bring to the Saguaro Round-up

- 2 liters of water
- Sunscreen
- Snack
- Backpack
- Completed paperwork

### What to wear:

- Sun protection (sunglasses and hat)
- Durable clothing (especially long pants)
- Sturdy closed toe shoes

If items are forgotten, volunteer may not participate in event.



## Directions

### Rincon Mountain (east) District :

**3693 S. Old Spanish Trail Tucson, AZ 85730**

Head east on Broadway or Speedway Blvd. to Freeman Road, then go right (south) on Freeman Road 3-4 miles to Old Spanish Trail, turn left and go 0.25 miles southeast to the park entrance on the left side of the road. Proceed 200-300 yards to Visitor Center.

### Tucson Mountain (west) District :

**2700 N. Kinney Rd. Tucson, AZ 85743**

Head west on Speedway Blvd., which will turn into Gates Pass Road until it ends at Kinney Road. Turn right and drive north on Kinney. The Visitor Center is about 2 miles past the Arizona Sonora Desert Museum on Kinney Road. The entrance will be on your right.

### More information?

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(520)733-5178

Centennial Saguaro Survey:

<http://www.nps.gov/sagu/getinvolved/centennial-saguaro-survey.htm>

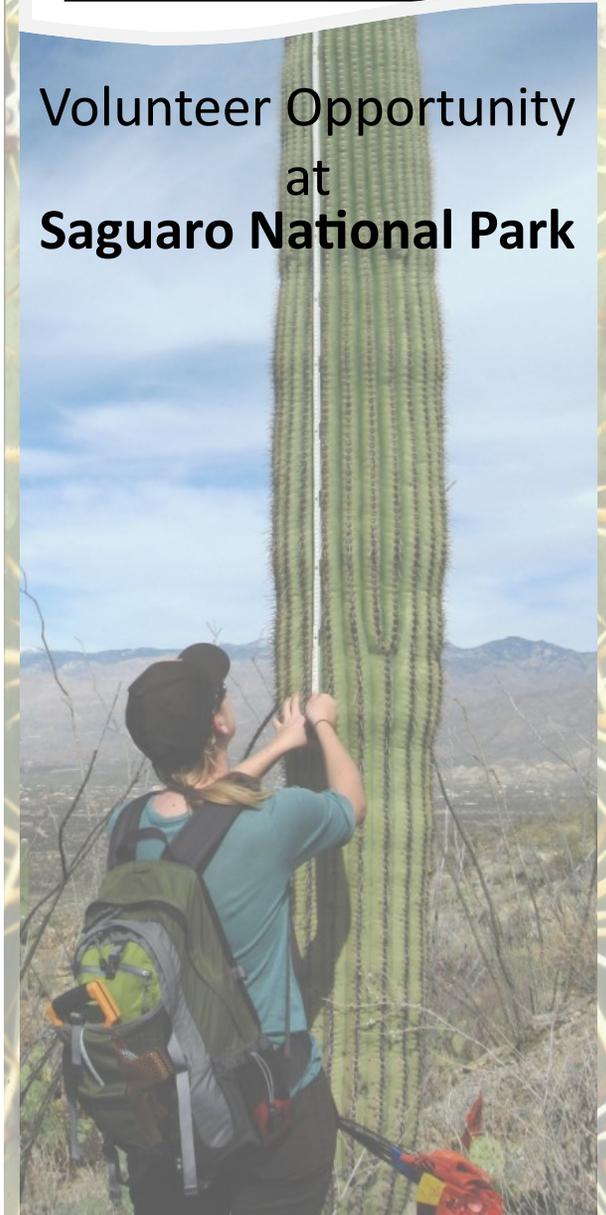
Photo Results:

<http://www.nps.gov/sagu/learn/>



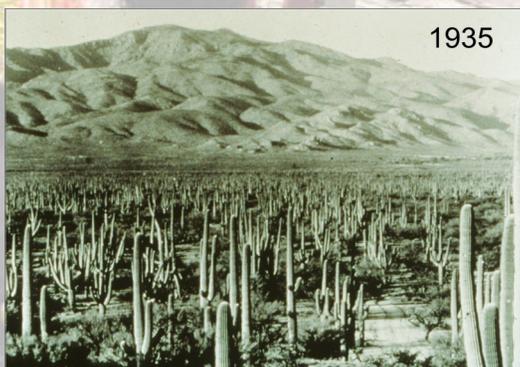
FIND YOUR  
**SAGUARO**  
Centennial Saguaro Survey

## Volunteer Opportunity at Saguaro National Park



## What is the Centennial Saguaro Survey?

Shortly after Saguaro National Park was established in 1933, park rangers noticed a decline in saguaros in the Cactus Forest area on the east side of Tucson. To study why the cacti were dying, all the saguaros were counted and measured in a one square mile section of the park called Section 17. Smaller plots within this section have subsequently been studied. Since the original study, other plots have been added and the reasons for surveying have changed.



1935



1998

*The Cactus Forest area of Saguaro National Park East has changed significantly over the last century*

To celebrate 100 years of the National Park Service, we want to invite you to be a citizen scientist and measure saguaros on one of our historic plots.

## Why is this important?

Over time, we want to see how our cacti adapt to the stresses of disease, urban encroachment, climate change, and dramatic weather conditions. We want all of you to explore with us to figure out how the dynamics of our cactus forest are changing. With the data you collect, we can begin to understand the ecological changes the Sonoran desert faces.

## What will I be doing as a volunteer?

Volunteering at the National Park is a great way to give back to the environment and see areas of the park that most people don't see. As a volunteer with Find Your Saguaro, you will be acting as a "Citizen Scientist", helping park staff collect valuable data .

The plot you will be volunteering on will be off trail. All saguaros within each plot are counted and measured. The small saguaros are measured using folding rulers and large saguaros are measured with clinom-



eters, a tool that estimates heights using basic geometry (don't worry, we'll teach you) Once the saguaro is measured, participants will look for bird holes and count how many arms the saguaro has. All citizen scientists will work in teams and are trained in the field.

## Where can I look for my groups results?



All group results will be posted online following your event. You can find your results on the Centennial Saguaro Survey Result page. The result page will also have previous data from the saguaro plots and you will be able to compare other groups data with yours. To look at pictures from your event, go to the Photos & Multimedia page located in the Learn About the Park section of the Saguaro National Park website.

## Be prepared!

These Saguaro surveys will take up to six hours to complete! Make sure you are prepared for the day. All participants must be able to hike 1-3 miles and be on their feet for several hours at a time. We will be working off trail, please be aware of your surroundings. Wearing long pants and long sleeves will not only protect you from the sun but also protect you from cactus spines and other sharp plants in the desert. Bring at least 2 liters of water to stay hydrated during the event along with a snack. Use the check list on the back to be super prepared citizen scientist!