

Trail Database

Sometimes service is poor in parks, so this is as effective as a paper map

Users will want to know where they're going, even offline

Provide PDFs of trails in SC for downloading

Provide a way to select the range of the map to download from

Identify legal areas to have campfires

Sort by most visited/least visited or busy/not busy?

Have essential new information for campers (i.e. when fires are allowed)

Have information on recommended items for the trails (i.e. amount of water)

Information on how accessible the trail is for various people, for example handicap accessibility

Distance from where the camper is staying to the start of the trail and if it has parking

Trail Supplies

Depending on your location, identify stores to pick up camping supplies

Identify gas stations nearby trails

Provide a checklist type program to help campers double check they've packed the essentials

Identify waste disposal areas for the dumping of non-compostable objects

Identify areas for raft or kayak rentals

Identify trails with heavy trash concentration

Provide information about what is and isn't allowed on local trails

Provide information and reviews about local stores for optimized shopping

Identify areas to acquire firewood

Identify areas to acquire bait and tackle

Plant and Animal Database

Identify poisonous plants in hiking area

Identify dangerous animals in hiking area

Allow users to access wildlife data files based on which trail they use

Identify medicinal plants

Identify edible and non-edible plant life

Identify poisonous wildlife and their habitats

Identify venomous wildlife and their habitats

Identify safe ways of disposing of waste on the trail in order to not harm the wildlife

Identify ways to treat venom or poison and medicine to counteract the effects

Provide contact information for local poison control

Weather Conditions

Provide accurate weather forecasts for hiking trips

Provide warnings for weather advisories in the area while hiking

Provide warnings for when rain is about to happen during a hike

Add survival tips for being caught in natural disasters

Warn about rushing water or rip currents near lakes, rivers, and oceans

Locate shelters within the vicinity of a trail in case of inclement weather

Provide warnings against heat advisories or no-burn notices in the area

Provide notices about air quality in the immediate area

Provide data about what wildlife can be found after a weather event

Provide the contact information for local first responders in case of a severe weather emergency

