

DOWNLOAD PDF IN THE FOOTSTEPS OF GIANTS: COPPER RIDGE DINOSAUR TRACKS

Chapter 1 : Walk in the footsteps of giants - Review of Dinosaur Ridge, Morrison, CO - TripAdvisor

Geology Underfoot in Southern Utah In the Footsteps of Giants: Copper Ridge Dinosaur Tracks Intruders in a Sedimentary Domain.

Following an Injured Allosaurus A fresh coating of dried mud gave the million-year-old tracks a more recent look, as if dinosaurs had walked by just last week One of the Copper Ridge theropod tracks. The front of the foot - indicated by the three toe impressions - is towards the top of the picture. Photo by author smithsonian. I learned this the hard way on a recent visit to one small tracksite in eastern Utah. Although Moab, Utah is best known for Arches National Park, uranium mines and various sorts of outdoor recreation, there are traces of dinosaurs in the area, too. Among the fossil sites is a short set of the only known sauropod tracks in Utah. About 23 miles north of Moab on State Road is an inconspicuous, unmarked turnoff around mile marker The unpaved road crosses a set of railroad tracks and disappears in the low, dusty hills, and after bumping along for about two miles in our small car, my wife and I arrived at the trailhead. We spent about 15 minutes looking for the tracks. Neither of us could quite figure out where they were hiding, and the interpretive sign at the top of the trail gave no indication of where they might be. We had no idea that we had walked right over them until my wife spotted one of the large theropod tracks. Right at the top of the trail, there were at least three kinds of footprints set in the rippled, reddish rock, tracks that had persisted for about million years. A fresh coating of dried mud gave some of the tracks a more recent look "as if the dinosaurs had walked by just last week" and partially obscured them from view. The tracks were not all made at the same time. The sauropod footprints "attributed to Camarasaurus by the sign" were crossed by tracks left by a small theropod dinosaur moving in a different direction. The overlay of the smaller tracks meant that they were made after the big sauropod had passed. Footprints made by a larger predator were left just a few feet away. Several impressions recorded the movement of an Allosaurus -sized theropod, but the tracks had a curious pattern. Rather than indicating an even stride, the tracks alternated between long and short steps. Perhaps this individual had an injury that caused it to limp or take an irregular gait. He blogs regularly for Scientific American.

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Chapter 2 : Geology Underfoot in Southern Utah

The Copper Ridge Dinosaur trackway is located 23 miles north of Moab. If you're heading south from I, pass mile-marker and look for the turnoff that crosses the tracks on the left (east). Two miles down this dirt road, you'll find the trailhead for the trackway.

Stretching over 30,000 acres the Bonneville Salt Flats attract thousands of visitors, commercial film makers, and high-speed auto racers. There are interpretive signs at points of interest, as well as the visitor center and museum at Golden Spike National Historic Site. Cottonwood trees frame the campground that sits at 6,000 feet and is a popular trail head for hikers and horseback riders. You can stop at stations and modern interpretive sites along the Backcountry Byway where exhausted riders once rested before they raced on to complete their 1,000 mile mail run. Granite crags provide stunning views and recreation opportunities such as hunting, hiking, fishing, wildlife watching, scenic driving along the Deep Creek Scenic Byway, photography and backcountry camping. Little Sahara Recreation Area - Little Sahara is a giant sandbox made up of 60,000 acres of free-moving sand dunes, sagebrush flats, and juniper-covered hills ideal for sand-buggies, motorcycles and 4-wheel drive vehicles. If geodes intrigue you, then Dugway geode beds may be the place to go. Whatever the season, this is a great place to spend the day. The area offers a wonderful view of the Henry Mountains, and ancient pictographs and petroglyphs dot canyon walls. Discover the northernmost stand of Joshua Trees. Take the Joshua Tree Road Backway for a tour through the Mojave desert landscapes and stunning wildflowers in season. Otter Creek Reservoir - Otter Creek has an activity for almost everyone. The cold, clear water of this large reservoir offers year-round fishing for rainbow trout. For wildlife watchers, numerous waterfowl, raptors, deer, antelope, and elk abound. No matter what your reason for visiting, this reservoir is a great summer getaway. Visit the ghost town of Kimberley where 3,000 gold miners worked around the turn of the century and the birth place of the famous outlaw Butch Cassidy. Also, numerous pictographs and petroglyphs are in this area. Wolverton constructed a mill in the Henry Mountains, completing a dream he had begun 20 years before. Wolverton came to the area in search of a legendary Spanish gold mine. Today, the Spanish gold is still just a legend, but the mill has been restored and relocated to the BLM office in Hanksville. Visit the old Paria movie set and ghost town north of the wilderness area. Petroglyphs and campsites show that Pueblo Indians traveled the Paria more than 1,000 years ago. The gap is a superb "gallery" of petroglyphs that features a 1,000 year accumulation of Native American rock art. Quail creek, a seasonal stream, emerges from a canyon and flows through the middle of the campground. Since that date, at least 18,000 fossil bones have been taken from the quarry, representing at least 70 different animals. More than 30 complete skeletons, 12,000 individual bones and several dinosaur eggs have come from this prolific fossil bed. In addition to river-running, there are wonderful opportunities for camping, archaeological and geologic interpretation, wildlife watching, hiking, and exploring. This beautiful drive takes you from the small town of Vernal through several dramatic scenery changes, finally reaching the pines and cool air near Flaming Gorge National Recreation Area. The ranch was originally used by mountain men and trappers for shelter in the early 19th century. Framed by purple and red sandstone cliffs, this area is virtually unchanged since the famed river explorer J. Powell saw it in 1846. This journey back in time features remnants of two past cultures: Native Americans and early settlers. The spectacular Fremont Indian rock art etched into the canyon walls frames the twisting dirt road that stage and freight coaches traveled in the 1800s. This is a prime spot for watching wildlife, with chances to see raptors, waterfowl, and more. Price Canyon Recreation Area - This relaxing spot in the woods gives visitors a chance to enjoy cool clean air and wonderful canyon overlooks. You can camp or picnic under the shade of ponderosa pines. Hikers can follow a self-guided nature walk through oak, pines, and mountain mahogany to the ridgetop. Erosion has exposed strips of colors in the huge plates of stone, set on edge almost 65 million years ago. You can hike the canyons themselves or get a great view of the Swell at the Cedar Mountain overlook and picnic area. Groves of cottonwoods make pleasant places to camp. A variety of wildlife abound including

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birds, bobcats, coyotes, mule deer, bighorn sheep and black bears. At Canyon Rims you can view deep canyons, hike trails in Dark Canyon Primitive Area, ride your bike along dirt roads of the colored mesa, or camp at Hatch Point and Wind Whistle campgrounds. So, whether you choose to hike, bike, camp, or run the river, you may see some familiar scenes. A few miles north, the Copper Ridge site features the tracks of a brontosaurus and four three-toed dinosaurs. Mule Canyon has the remains of a small Anasazi village, while Butler Wash offers an easy half-mile walk to overview of Anasazi cliff houses. These beautiful desert formations are well known and heavily used by mountain bikers. The black, uplifted rocks in the canyon represent the oldest exposed formations in eastern Utah. Many species of wildlife inhabit the canyon. There are also several historic sites along the river corridor. Heading west, this is the first canyon along the Colorado River within Utah. For more information visit the Utah Bureau of Land Management website.

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Chapter 3 : Dinosaur Footprints Reservation - Wikipedia

The Copper Ridge Dinosaur Trackway is a good family-friendly activity located 23 miles north of Moab, along US Simply drive to mile-marker Once you see the roadside sign, turn right and cross over the railroad tracks.

Wieder, and David G. Bibliographic record and links to related information available from the Library of Congress catalog. Contents data are machine generated based on pre-publication provided by the publisher. Contents may have variations from the printed book or be incomplete or contain other coding. Reading a Lava Landscape: Snow Canyon State Park 2. When Water Cleaves Rock: Frisco and the Horn Silver Mine 5. A Desiccated Remnant of Lake Bonneville: In the Heart of the Transition Zone: An Ancient Desert Sleeps: The Navajo Sandstone 9. Weeping Rock, Zion National Park The Springdale Landslide Castle Rock Campground A Record of Explosive Eruptions: Fremont Indian State Park Obsidian at Fremont Indian State Park Fish Lake Valley Unlikely Neighbors at Red Canyon: A Fairyland of Color and Form: Bryce Canyon National Park Escalante State Park and the Petrified Forest Someone Pass the Tabasco and a Cold Beer!: An Oyster Reef in the Desert A Weathered Army on the March: Temple Mountain Uranium Mines Slithering through a Slot Canyon: The San Rafael Reef Uplift and Erosion on the Colorado Plateau: Goosenecks of the San Juan River Mesas, Buttes, and Spires: Valley of the Gods Natural Bridges National Monument A Sea of Fins: The Fiery Furnace Weathering the Tests of Time: Arches National Park and the Entrada Sandstone In the Footsteps of Giants: Copper Ridge Dinosaur Tracks Intruders in a Sedimentary Domain: Round Mountain and the La Sal Laccoliths Permafrost and Flowing Earth:

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Chapter 4 : Copper Ridge Dinosaur Tracks Trail - Utah | AllTrails

Copper Ridge Sauropod Dinosaur Tracks Footprints from the Morrison Formation Typical tracks from the Morrison Formation include those of a brontosaurus.

The site was discovered by Linda Dale Jennings Lockley in 1970. The trackway includes imprints left by a large turning sauropod brontosaurus and four theropod carnivores of various sizes. The Copper Ridge site with its abundance of different tracks is a rare find. The Copper Ridge trailhead is about 2 miles east of Highway 12 on a dirt road that is accessible by car. The turnoff is across from the large microwave tower between mileposts 12 and 13. The road might not be suitable during very wet weather. There is a register where the trail starts at the base of the hill. The trail climbs at a moderate angle but it is only a short distance to the trackway. This picture was taken from the hillside above the tracks and some of the tracks have been outlined to give an idea of their layout. The BLM has published a brochure with useful information about the site as well as a map of the tracks. The sauropod tracks were made by an unknown species of brontosaurus. Tracks from the front feet are smaller and more shallow but are also present. The BLM brochure makes them much easier to spot. The theropod tracks were made by various sized carnivores. The range in size from 8 inches to 15 inches. The marks left by the claws are almost startling as they leave an impression in your mind of how deadly they must have been. It is illegal to make plaster casts of the tracks but it is perfectly fine to pour a little water in them for a better picture. Theropod tracks look a lot like bird feet. Whenever I see theropod tracks it reminds me of a turkey track and whenever I see a turkey track it reminds me of dinosaurs. The area around the trackway has numerous fossils that would take someone more expert than ourselves to tell all of the plant ones from the animal ones. We had to throw in a picture of the cute little privy at the trailhead. The open air toilet was actually very clean and quite suitable for this location. Just like the Mill Canyon Dinosaur site, a few more miles down the highway toward Moab, the Copper Ridge site is close enough to the main road that you can add it to one of your other trips to the area such as a visit to Canyonlands or Arches National Parks. And whenever you are hiking through the Morrison Formation keep your eye out for tracks and fossils and maybe you can make your own new discovery.

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Chapter 5 : Things To Do in Utah - BLM Recreation Sites

Copper Ridge Dinosaur Tracks Trail is a mile moderately trafficked out and back trail located near Moab, Utah that features beautiful wild flowers and is good for all skill levels. The trail is primarily used for hiking, walking, birding, and mountain biking and is accessible year-round.

Not my favorite kind of place, but the whole purpose of this visit is to get Rog close to the action for the Fruita Fat Tire mountain bike festival. We dropped Rian off at the Grand Junction airport in plenty of time for her flight. Miss the itty bit already. Then, we hit a couple of the used book stores in Grand Junction – a favorite pastime of ours. We do like to read though and love browsing the book stores. Fruita has lots of bike themed art. The mountain bike festivals runs Friday through Sunday. Rog got registered Thursday afternoon and picked up his blue wristband which gives him access to the demo bikes and his two free beers. At the festival, he can demo several high-end bikes that would cost hundreds to rent. And did I mention the two free beers. He rode it pretty much all day and came home with this huge grin on his face. Colorado River from the mountain bike trail. At least most of the crazies had enough sense to hike their bikes up and down this mess! Saturday was a repeat with a bike from Pivot. Sunday, he rode one from Evil. He ruled out the Evil, but could happily live with either the Niner or the Pivot. On Saturday, I did a little biking of my own. No rocky single track for me, but there was a paved bike trail that ran all the way from Fruita to Grand Junction and I put in 18 miles on that without a single rock, drop, or need to bunny hop. Most of the time while Rog was out thrashing the trails I hung around the RV, got caught up on chores, and walked the river trail at the state park just across the street from the RV park. A family of geese enjoy the pond at the state park. View across the Colorado River from the paved trail. We have fabulous views and total solitude. It is so relaxing after our time in the crowded RV parks. Our plan is stay for six nights and use this as our base to visit Arches National Park and for more mountain biking. This area is a mountain bike and off-road vehicle mecca and there are tons of trails. There is a trail system less than a mile from our campsite that should keep Rog busy for days. This is why we love boondocking so much! View out our front window. Hard not to love waking up to this. Since we had a couple of hours open after getting set up, we decided to check out a nearby trail with –€. There were two locations and we stopped at the Copper Ridge Dinosaur Tracks site first. The info boards were interesting, it is amazing how much the scientists can tell just from the footprints. There were two kinds of dinosaurs here, a long-necked herbivore sauropod and two different sizes of meat-eaters theropods. They could tell how large they were, what direction they were traveling, and that one of the theropods had a limp! The tracks, however, were a little underwhelming. Those are sauropod footprints! There was a sign post for another site, but it was a 3-mile hike to the Dinosaur Stomping Grounds. Oh, I was soooooooooooooo wrong. The hike was fun, lots of great views and the coolest water features. Lovely view of the La Sal Mountains from the trailhead. Best of all, the dinosaur tracks were just spectacular!! A two-acre area with 2, footprints! They go off in multiple directions and are a variety of sizes, but they are all from a single type of meat-eating dinosaur –€” this really was their stomping grounds. Many are individual prints, but some you can actually see the trail as they walked along. How incredible that the conditions were just right that we can still see and enjoy them today. It is just so insanely cool! We got to walk in the tracks of real, live dinosaurs!! These dinosaur prints did not disappoint! Check out the size. You can follow the trail as this one walked along. There were 7 or 8 footsteps, but you can only see 3 clearly in the picture. Tomorrow we are going to visit Arches National Park for a half day and then head into Moab to arrange for a Wednesday rental of two mountain bikes. More on that later.

Chapter 6 : Dinosaur Museums and Hikes - Discover Moab, Utah

Dinosaur Ridge is just over 2 miles and will take you on a journey to where some of the best-known dinosaurs (Stegosaurus, Diplodocus, Allosaurus, etc.) were first discovered beginning in Foursquare/Sandor F.

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Chapter 7 : Copper Ridge Dinosaur Trackways, Moab | Reviews | Ticket Price | Timings | Address: TripHob

This video is part 2 in a 2 part series about reconstructing the dinosaurs that left their tracks at Copper Ridge, near Moab Utah. In this part I discuss reconstructing a the theropod dinosaur.

Chapter 8 : Table of contents for Geology underfoot in southern Utah

Copper Ridge Dinosaur Trackways This well-preserved site is home to a variety of dinosaur tracks from the Jurassic period, including a brontosaurus and allosaurus. As a bonus, there are also.

Chapter 9 : Dinosaur Diamond: Following an Injured Allosaurus | Science | Smithsonian

One of the Copper Ridge theropod tracks. The front of the foot - indicated by the three toe impressions - is towards the top of the picture. (Photo by author).