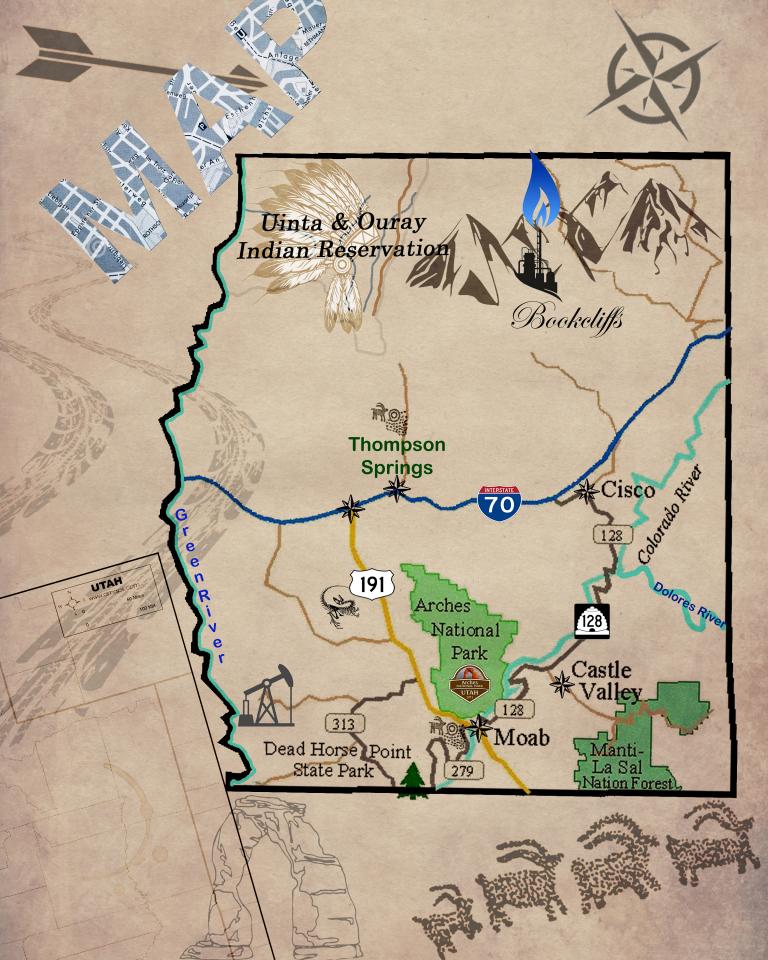
# GRAND COUNTY UTAH EST. 1890









Grand County is situated on the <u>Colorado Plateau</u> eastern Utah at an elevation of 4,025 feet. The plateau includes two-thirds of the state of Utah and parts of Colorado, New Mexico, and Arizona. Composed mostly of <u>sandstone</u> and limestone, the plateau has been eroded by large rivers and other water sources into huge canyons and complex erosional forms that make it a rugged but scenically spectacular region.<sup>6</sup>

Grand County lies on the east side of Utah. To its east border the state of Colorado. The <u>Green River</u> flows southward through the eastern part of central Utah, and its meandering course defines the western border of Grand County. The Colorado River enters the east side of Grand County from Colorado. San Juan Countyis the southern border of Grand. The <u>Dolores River</u> also enters Grand County from Colorado, flowing westward to its <u>confluence</u> with the Colorado River.

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The biggest reason Grand County is a The biggest reason Grand County is a tourism based County is because of the two National Parks and the State park. <u>Arches</u> National Park Canyonlands National Park Dead Horse Point State Park

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Since the 1970s, tourism has played an increasing role in the local economic Partly due to the John Ford movies, played due to magazine articles, the area has become a favorite for <u>star gazing</u> hiking, and most recently mountain <u>biking</u>. Make a favorite four star gazing hiking, and most recently mountain <u>biking</u>.

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Discovery of <u>uranium</u> in 1952 began an era of mineral extraction in the county, swelling the population from 3, 000 to nearly 10,000 residents in just 3 years. Mining and milling of Uranium, <u>Potash</u> and salt added to the local economy until 1983 when the market for uranium dropped dost mining and milling operations ceased at that time although oil & Most mining and milling operations ceased at that time although oil & decades to present time. Most recently the income from tourism has been the county's major conomic resource.

> Key and the set paying Jobs in Grand County are, and the Highest paying Jobs in Grand Leasing the Highest paying Rental and Leasing and Estate and Rental and Leasing Finance Insurance Quarrying and oil and finance Mining, Wholesale Trade

THE FIRST DINOSAUR DISCOVERY IN UTAH HAPPENED IN 1859 (COINCIDENTALLY, THIS WAS FIFTY YEARS TO THE DAY PRIOR TO THE DISCOVERY OF THE FIRST BONES FOUND AT THE SITE LATER KNOWN AS DINOSAUR NATIONAL MONUMENT). MANY DINOSAURS HAVE BEEN FOUND AROUND MOAB, INCLUDING A SMALL CARNIVOROUS DINOSAUR FROM THE TRIASSIC, A LARGE CAMARASAURUS FROM THE JURASSIC, A GIGANTIC BRONTOSAURUS ALSO FROM THE JURASSIC, AND CRETACEOUS DINOSAURS SUCH AS UTAHRAPTOR AND GASTONIA.

The second

PALEONTOLOGISTS HAVE FOUND A N TREASURE TROVE OF DINOSAUR REMAINS IN THE ROCK O FORMATIONS OF THE MOAB AREA. THE RECORD OF DINOSAURS AND OTHER ANCIENT ANIMALS IN THE MOAB AREA IS ONE OF THE BEST IN THE COUNTRY.

SOUTHEASTERN UTAH HAS A PROLIFIC FOSSIL RECORD OF BONES, AND ESPECIALLY TRACKS, THAT HAS BEEN EXPOSED IN THE SEDIMENTARY RECORD OF MESOZOIC AGE ALL AROUND MOAB. DINOSAURS, INCLUDING BIRDS, ARE REPTILES BELONGING TO THE ARCHOSAURIA

ROCKS DEPOSITED DURING THE MESOZOIC ERA ARE WELL EXPOSED IN THE MOAB AREA. THAT PERIOD OF TIME SPANS APPROXIMATELY 252 MILLION YEARS TO 66 MILLION YEARS AGO. THE MESOZOIC ERA HAS THREE DIVISIONS: TRIASSIC, JURASSIC AND CRETACEOUS. DINOSAURS APPEAR IN OUR AREA TOWARD THE END OF THE TRIASSIC.



## Moab in the **Movies**

















The Moab to Monument Valley Film Commission holds the title of the longest running film commission in the world. The Moab area has been a popular destination for feature length films, commercials, and television shows for almost 70 years. In 1949, John Ford first ventured out from the iconic Monument Valley to film along the majestic Colorado River Corridor. Seeing that the production employed almost all of Moab's 1,500 residents, local rancher George White founded the film commission to promote movie making in the area and establish a local crew base and production services. Director Ridley Scott reported that he had "seen more wonderful and varied scenery in a single day in Moab than any other day [he had] scouted." Such variance has made Moab a hot spot for movies of all genres. From the ranches of the old west, to the interplanetary fields of Mars, to mile after mile of classic road-trip roads, the scenery is as endless as the possibilities. Visitors to Moab may find the area familiar as they tip-toe up to Thelma and Louise Point, set off on horseback to follow John Wayne's horse rails, or take in the view from Westworld's Hub Mesa. Filmmakers will find thousands of square miles of sand deserts, snowy mountains, desolate canyons, verdant farmland and rushing rivers, not to mention Moab's iconic red rocks.











































Animals that are most active at dawn and dusk are called "crepuscular." These times of day ARE COOLER THAN MID-DAY. THE HALF-DARK MAKES PREY ANIMALS LESS VISIBLE, YET VISIBILITY IS GOOD ENOUGH TO LOCATE FOOD. SOME ANIMALS ARE <u>CREPUSCULAR</u> MOSTLY BECAUSE THEIR PREY IS CREPUSCULAR. CREPUSCULAR ANIMALS INCLUDE MULE DEER, ELK, BEARS, COYOTES, PORCUPINES, DESERT COTTONTAILS, BLACK-TAILED JACKRABBITS, AND MANY SONGBIRDS. Nocturnal animals include kangaroo rats, woodrats (also called packrats) and most other SMALL DESERT RODENTS, SKUNKS, RINGTAILS, FOXES, BOBCATS, MOUNTAIN LIONS, BATS AND OWLS,

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**A** FEW <u>DESERT</u> ANIMALS ARE PRIMARILY ACTIVE DURING THE DAY, OR "DIURNAL." THESE INCLUDE ROCK SQUIRRELS, ANTELOPE SQUIRRELS, CHIPMUNKS, LIZARDS, SNAKES, HAWKS, BUFFALO AND EAGLES.

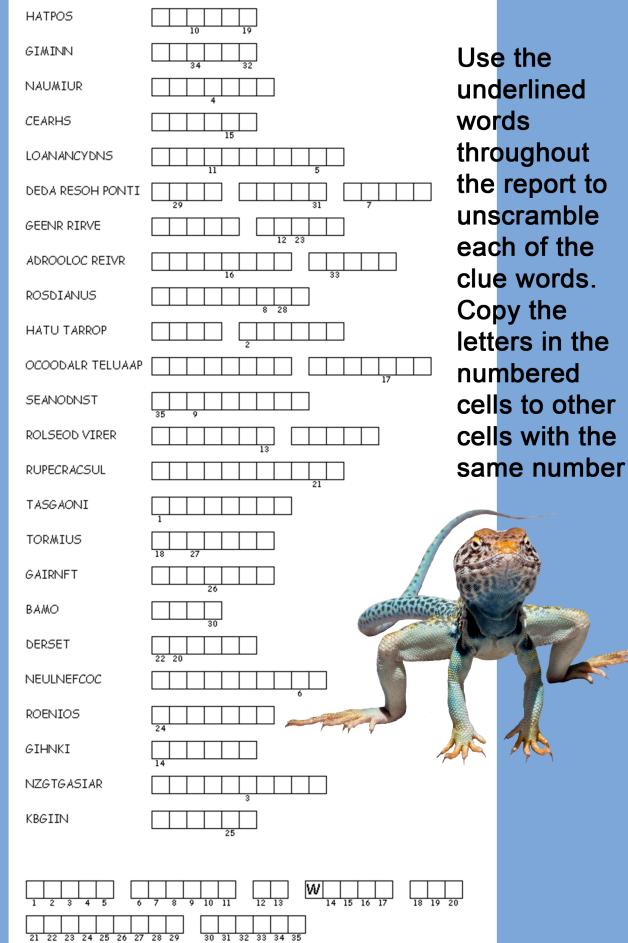
UNDERNEATH ARCHES NATIONAL PARK LIES A SALT BED LAYER, WHICH WAS **DEPOSITED SOME 300 MILLION YEARS** AGO WHEN THE AREA WAS PART OF AN INLAND SEA. WHEN THE SEA EVAPORATED, IT LEFT SALT DEPOSITS; SOME AREAS COLLECTED OVER A THOUSAND FEET OF THESE DEPOSITS. DURING THE NEXT MILLIONS OF YEARS, THE AREA WAS FILLED WITH DEBRIS DEPOSITED FROM WINDS, FLOODS, STREAMS AND OCEANS THAT CAME AND WENT. OVER TIME THIS DEBRIS COMPRESSED INTO ROCK. THE WEIGHT OF THE ROCK LAYER CAUSED THE SALT BED BELOW TO BECOME FLUID, ALLOWING IT TO THRUST UP AND CREATE DOMES AND RIDGES.

### How the arches are Created



WHAT HAPPENED AFTER THE MOVEMENT OF SALT MOLDED THE LANDSCAPE? EROSION WENT TO WORK ON THE SURFACE ROCK LAYERS AND GROUND WATER BEGAN TO DISSOLVE THE UNDERLYING SALT DEPOSITS. WATER SEEPED THROUGH CRACKS IN THE WEATHERED ROCK AND ICE FORMED, FURTHER EXPANDING THE CREVICES AND WEAKENING THE ROCK. EVENTUALLY, THE DOMES BEGAN TO COLLAPSE LEAVING A MAZE OF VERTICAL FREE-STANDING ROCK WALLS KNOWN AS FINS. WIND AND WATER CONTINUED TO ASSAULT THESE FINS UNTIL THEY EVENTUALLY WORE THROUGH AND PIECES BEGAN TO FALL AWAY, CREATING THE AMAZING ARCHES YOU SEE TODAY.

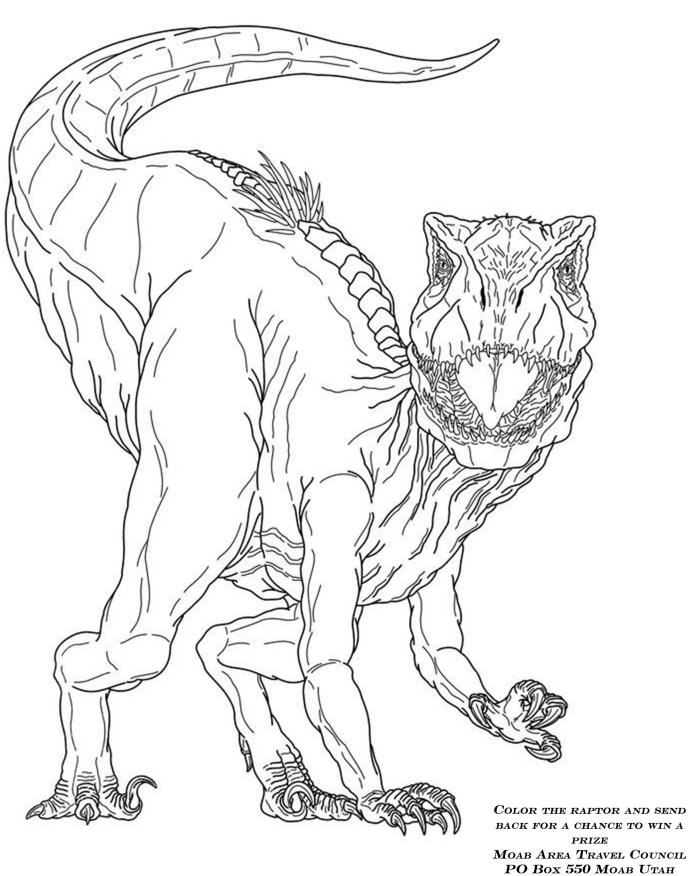
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Grand County Word Search

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Arches	Biking	Bookcliffs	Canyons	Cisco
Confluence	Deer	Desert	Dinosaurs	Elk
Erosion	Gas	Grand	Hiking	Lasal
Mining	Moab	Morman	Oil	Pioeers
Plateau	Potash	Rafting	Rivers	Sandstone
Tourism	Uranium	Utah	Yuca	Stargaze



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