JOURNEY IN TIME THROUGH QUARRIES

Exploring evidence of the past with geologists

VISIT

a quarry with a geologist

COLLECT

rocks from the quarry to identify evidence of the past

RECREATE

the scene millions of years ago

EXPLORE how these rocks are used in our lives



Natural History would like to thank the Rocks Build America Foundation and its sponsoring organization, the National Stone, Sand and Gravel Association, for their suppor

MOUNTAIN BUILDING OROGENY

Catalog Number: 401466*

Gneiss **Catalog Number** 401691*

Subduction and the formation of Colorado Rockies

Fossils from the Triassic Period can be found in nearby layers of sandstone.

"The rocks I found in this quarry in Morrison, Colorado, help me understand how the Colorado Rockies formed.'

Dr. Lang Farmer Geologist 'Finding a layer of this the gneiss tells me that the lstone was deposited after the aneiss formed. In fact, the gneiss is 1.7 billion years old, and the sandstone is only 300 million years old

Lang examines volcanic rocks in the central Colorado mountains.

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What makes the gneiss from this quarry useful for concrete, but not the sandstone?

Morrison Quarry in Morrison, Colorado

Gneiss from this quarry formed under extreme heat and pressure deep in the earth, making it harder and stronger. The sandstone formed near Earth's surface and did not encounter the extreme conditions needed to change it into a very durable rock.

Kentland Quarry in Kentland,

White River Quarry in Enumclaw, Washington



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"The rocks I found at this quarry in Enumclaw, Washington, help me understand the volcanic history of the region.

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The Coralyn W. Whitney

VOLCANIC ERUPTIONS







MANTI

CRUST

"This limestone quarry in Kentland, Indiana, reveals