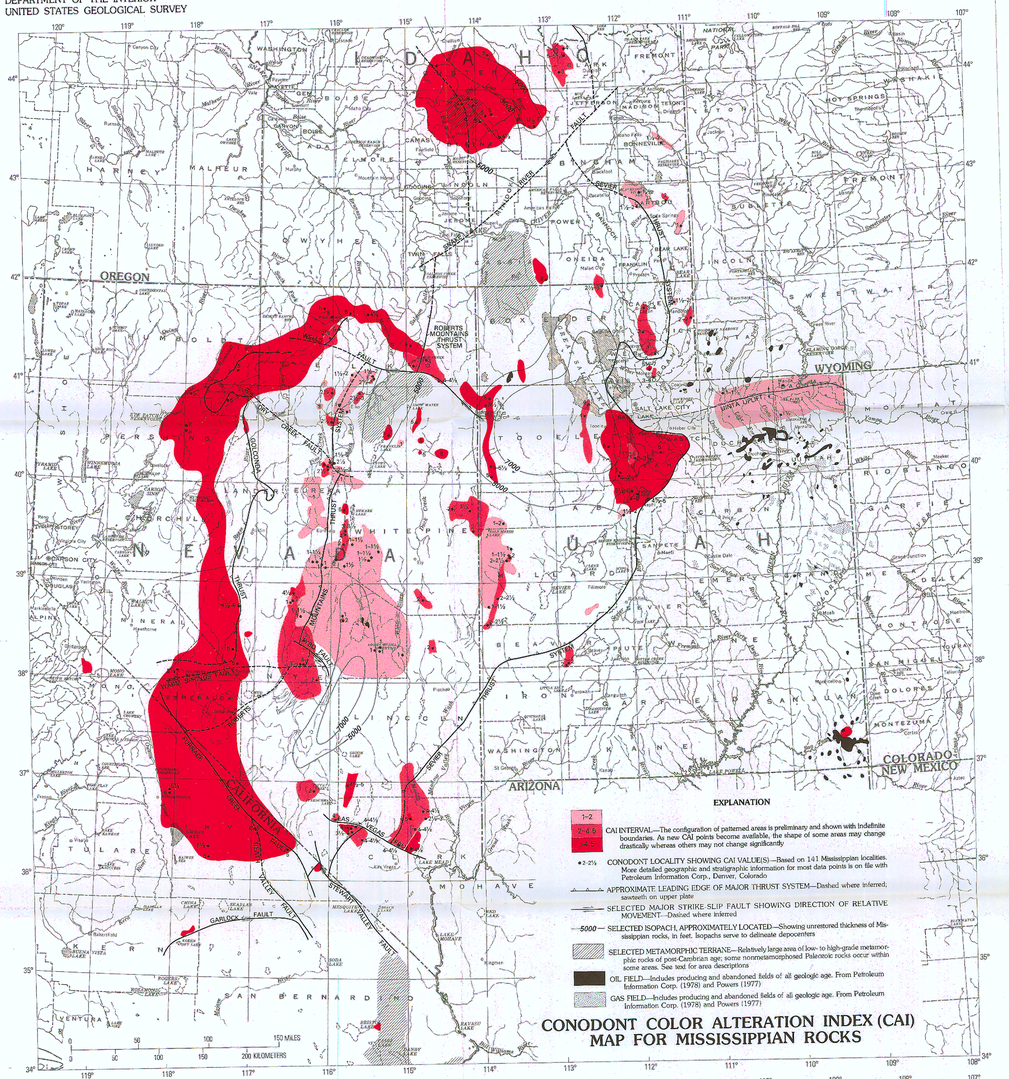
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

MISCELLANEOUS INVESTIGATION SERIES
MAP I-1249 (SHEET 2 OF 2)



EXPLANATION

CAI INTERVAL—The configuration of patterned areas is preliminary and shown with indefinite boundaries. As new CAI points become available, the shape of some areas may change drastically whereas others may not change significantly

•2-2½ CONODONT LOCALITY SHOWING CAI VALUE(S)—Based on 141 Mississippian localities. More detailed geographic and stratigraphic information for most data points is on file with Petroleum Information Corp., Denver, Colorado

APPROXIMATE LEADING EDGE OF MAJOR THRUST SYSTEM—Dashed where inferred; sawteeth on upper plate

SELECTED MAJOR STRIKE-SLIP FAULT SHOWING DIRECTION OF RELATIVE MOVEMENT—Dashed where inferred

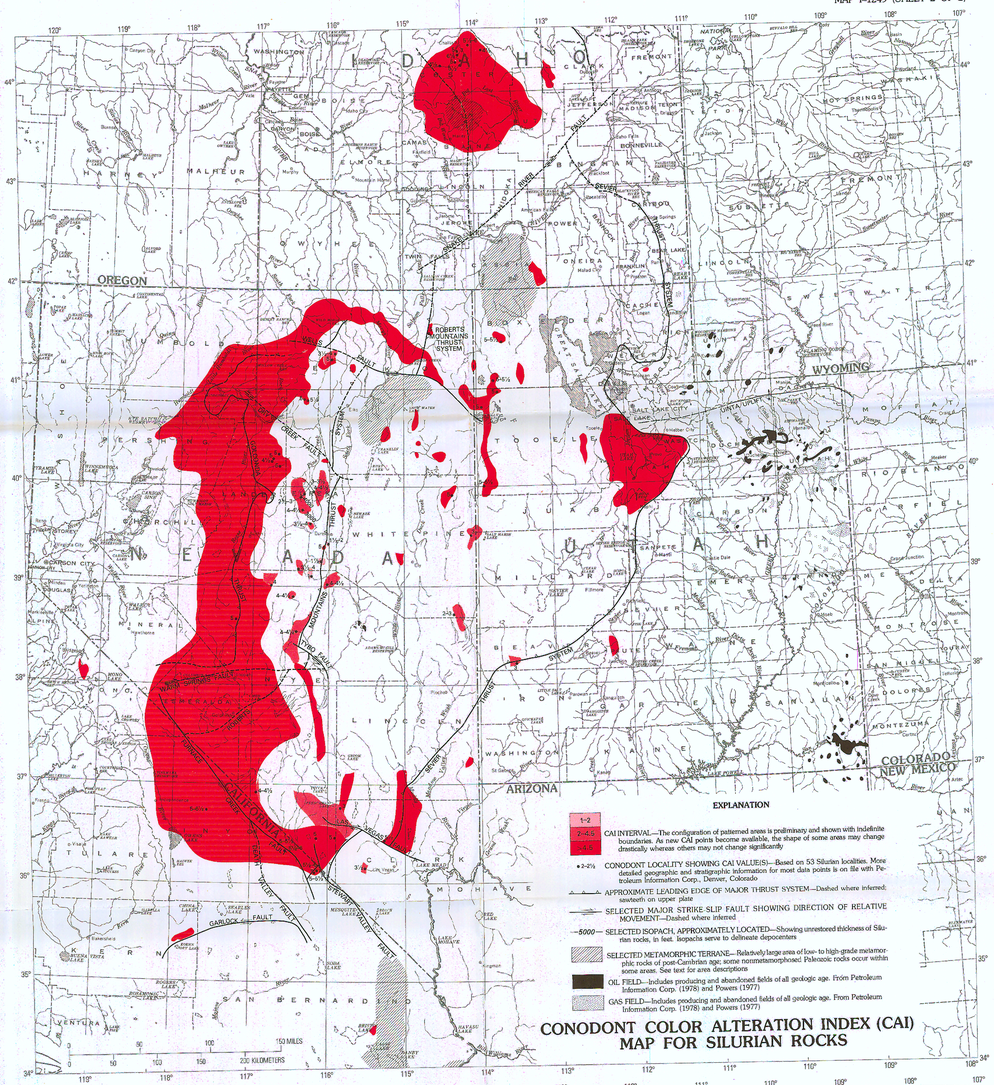
—5000— SELECTED ISOPACH, APPROXIMATELY LOCATED—Showing unrestored thickness of Mississippian rocks, in feet. Isopachs serve to delineate depocenters

SELECTED METAMORPHIC TERRANE—Relatively large area of low- to high-grade metamorphic rocks of post-Cambrian age; some nonmetamorphosed Paleozoic rocks occur within some areas. See text for area descriptions

OIL FIELD—Includes producing and abandoned fields of all geologic age. From Petroleum Information Corp. (1978) and Powers (1977)

GAS FIELD—Includes producing and abandoned fields of all geologic age. From Petroleum Information Corp. (1978) and Powers (1977)

CONODONT COLOR ALTERATION INDEX (CAI) MAP FOR MISSISSIPPIAN ROCKS



EXPLANATION

CAI INTERVAL—The configuration of patterned areas is preliminary and shown with indefinite boundaries. As new CAI points become available, the shape of some areas may change drastically whereas others may not change significantly

•2-2½ CONODONT LOCALITY SHOWING CAI VALUE(S)—Based on 53 Silurian localities. More detailed geographic and stratigraphic information for most data points is on file with Petroleum Information Corp., Denver, Colorado

APPROXIMATE LEADING EDGE OF MAJOR THRUST SYSTEM—Dashed where inferred; sawteeth on upper plate

SELECTED MAJOR STRIKE SLIP FAULT SHOWING DIRECTION OF RELATIVE MOVEMENT—Dashed where inferred

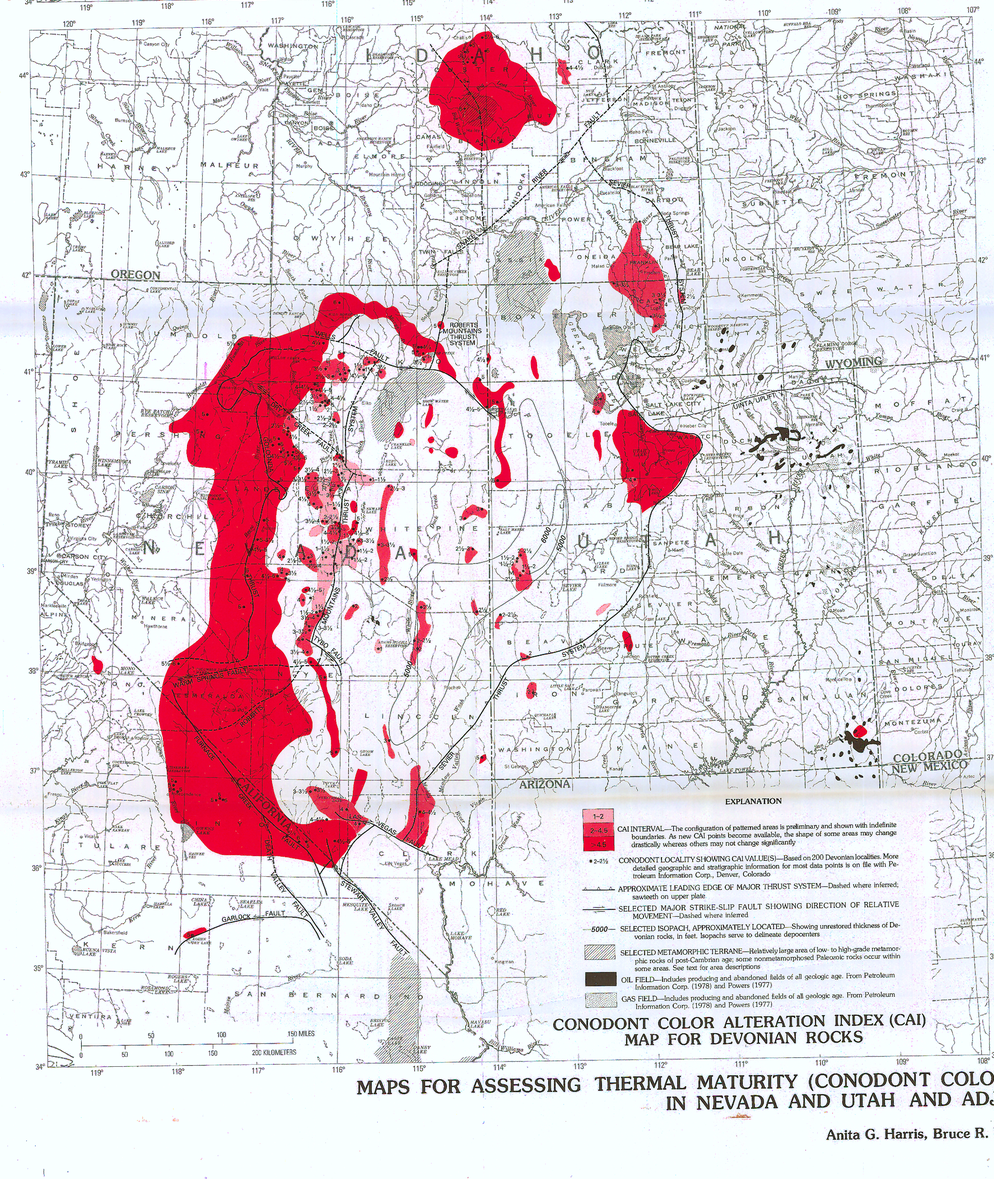
—5000— SELECTED ISOPACH, APPROXIMATELY LOCATED—Showing unrestored thickness of Silurian rocks, in feet. Isopachs serve to delineate depocenters

SELECTED METAMORPHIC TERRANE—Relatively large area of low- to high-grade metamorphic rocks of post-Cambrian age; some nonmetamorphosed Paleozoic rocks occur within some areas. See text for area descriptions

OIL FIELD—Includes producing and abandoned fields of all geologic age. From Petroleum Information Corp. (1978) and Powers (1977)

GAS FIELD—Includes producing and abandoned fields of all geologic age. From Petroleum Information Corp. (1978) and Powers (1977)

CONODONT COLOR ALTERATION INDEX (CAI) MAP FOR SILURIAN ROCKS



EXPLANATION

CAI INTERVAL—The configuration of patterned areas is preliminary and shown with indefinite boundaries. As new CAI points become available, the shape of some areas may change drastically whereas others may not change significantly

•2-2½ CONODONT LOCALITY SHOWING CAI VALUE(S)—Based on 200 Devonian localities. More detailed geographic and stratigraphic information for most data points is on file with Petroleum Information Corp., Denver, Colorado

APPROXIMATE LEADING EDGE OF MAJOR THRUST SYSTEM—Dashed where inferred; sawteeth on upper plate

SELECTED MAJOR STRIKE-SLIP FAULT SHOWING DIRECTION OF RELATIVE MOVEMENT—Dashed where inferred

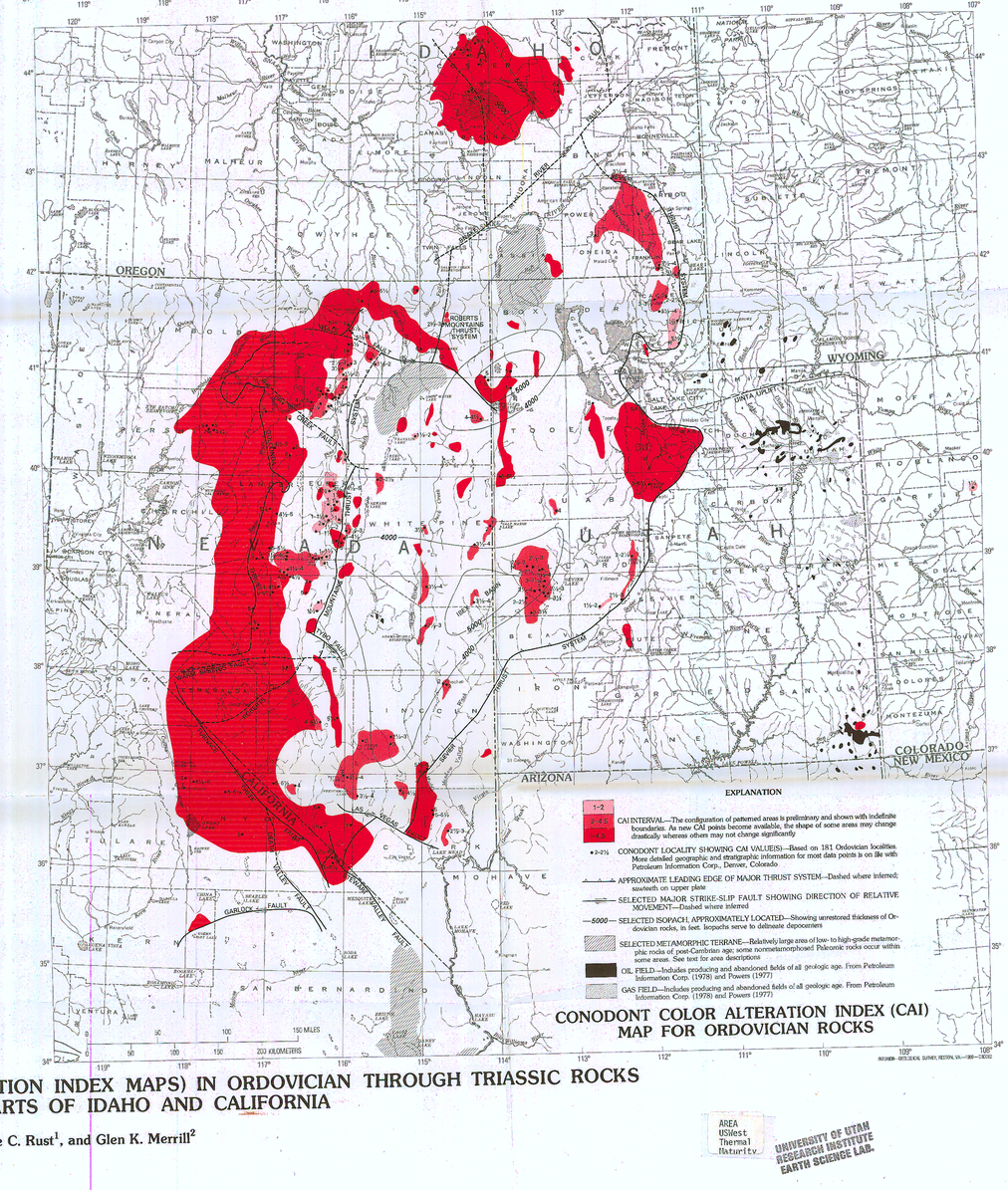
—5000— SELECTED ISOPACH, APPROXIMATELY LOCATED—Showing unrestored thickness of Devonian rocks, in feet. Isopachs serve to delineate depocenters

SELECTED METAMORPHIC TERRANE—Relatively large area of low- to high-grade metamorphic rocks of post-Cambrian age; some nonmetamorphosed Paleozoic rocks occur within some areas. See text for area descriptions

OIL FIELD—Includes producing and abandoned fields of all geologic age. From Petroleum Information Corp. (1978) and Powers (1977)

GAS FIELD—Includes producing and abandoned fields of all geologic age. From Petroleum Information Corp. (1978) and Powers (1977)

CONODONT COLOR ALTERATION INDEX (CAI) MAP FOR DEVONIAN ROCKS



EXPLANATION

CAI INTERVAL—The configuration of patterned areas is preliminary and shown with indefinite boundaries. As new CAI points become available, the shape of some areas may change drastically whereas others may not change significantly

•2-2½ CONODONT LOCALITY SHOWING CAI VALUE(S)—Based on 181 Ordovician localities. More detailed geographic and stratigraphic information for most data points is on file with Petroleum Information Corp., Denver, Colorado

APPROXIMATE LEADING EDGE OF MAJOR THRUST SYSTEM—Dashed where inferred; sawteeth on upper plate

SELECTED MAJOR STRIKE-SLIP FAULT SHOWING DIRECTION OF RELATIVE MOVEMENT—Dashed where inferred

—5000— SELECTED ISOPACH, APPROXIMATELY LOCATED—Showing unrestored thickness of Ordovician rocks, in feet. Isopachs serve to delineate depocenters

SELECTED METAMORPHIC TERRANE—Relatively large area of low- to high-grade metamorphic rocks of post-Cambrian age; some nonmetamorphosed Paleozoic rocks occur within some areas. See text for area descriptions

OIL FIELD—Includes producing and abandoned fields of all geologic age. From Petroleum Information Corp. (1978) and Powers (1977)

GAS FIELD—Includes producing and abandoned fields of all geologic age. From Petroleum Information Corp. (1978) and Powers (1977)

CONODONT COLOR ALTERATION INDEX (CAI) MAP FOR ORDOVICIAN ROCKS

MAPS FOR ASSESSING THERMAL MATURITY (CONODONT COLOR ALTERATION INDEX MAPS) IN ORDOVICIAN THROUGH TRIASSIC ROCKS IN NEVADA AND UTAH AND ADJACENT PARTS OF IDAHO AND CALIFORNIA

By
Anita G. Harris, Bruce R. Wardlaw, Claude C. Rust[1], and Glen K. Merrill[2]

1980

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