CORRELATION OF MAP UNITS

DESCRIPTION OF MAP UNITS

[ka, kilo-annum; Ma, mega-annum]

SURFICIAL DEPOSITS

ACTIVE WASH DEPOSITS

ALLUVIAL AND FLUVIAL DEPOSITS

EOLIAN DEPOSITS

COVER ROCKS

OCOTILLO CONGLOMERATE

PALM SPRING GROUP (INFORMAL)

BORREGO FORMATION

SPLIT MOUNTAIN FORMATION

BASEMENT ROCKS

SPLIT MOUNTAIN FORMATION

INTRODUCTION

GEOLOGIC SETTING

STRATIGRAPHIC FRAMEWORK ADOPTED FOR THIS REPORT

STRUCTURAL GEOLOGY

STRUCTURAL DOMAINS

ACKNOWLEDGMENTS

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EXPLANATION

EXPLANATION OF MAP SYMBOLS

PLANAR POINT FEATURES

Figure 3.—Conceptual block diagram of map area, which straddles southern Santa Rosa Mountains and eastern Borrego Badlands.

Figure 4.—Oblique schematic depiction of geometric relations between multistranded, sinistral-slip Truckhaven Fault Zone and overthrust cover strata.

Figure 5.—Oblique schematic depiction of deformation of western part of structural domain 4, showing opposite-facing North Short Wash and South Short Wash Anticlines.

Figure 6.—Oblique schematic depiction of deformation patterns within elevated cover strata and basement rocks.

Figure 7.—Schematic diagram showing stratigraphic relations of cover strata and basement rocks in southern Santa Rosa Mountains and eastern Borrego Badlands.

Preliminary Geologic Map of the Southern Santa Rosa Mountains and Borrego Badlands, San Diego County, Southern California

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