MAR 0 1 1996 U.S. DEPARTMENT OF THE INTERIOR WATER-RESOURCES INVESTIGATIONS REPORT 95-4137 PREPARED IN COOPERATION WITH THE Altitude of the bedrock surface—PLATE 1

Chafin, D. T., 1996, Hydrogeology of the alluvial aquifers at the Pueblo Depot Activity near Pueblo, Colorado 104°15' U.S. GEOLOGICAL SURVEY U.S. ARMY CORPS OF ENGINEERS and the U.S. ARMY PUEBLO DEPOT ACTIVITY 104°22'30" 104°17'30" 30 ATMW-01 778 4738 4724 4729 EBSB-01 —4690 — — 31 4678 4675 46 T. 19 S. 4704 T. 19 S. T. 20 S. 4662 Approximate extent of terrace alluvial aquifer **4693** ● 4695 EBMW-01 4697 4693 4685 ATMW-03 UEBLO 4639 Approximate extent of Chico Creek **4677** alluvial aquifer Q 4648 ATMW-04 ATMW-05 4663 4580 24 119/ 4630 CAMW-01 38°17'30" EBMW-02 4616 4607 4612 4620 EBSB-02 Approximate extent of terrace alluvial aquifer 25 29 CAMW-02 T. 20 S. Approximate extent of T. 21 S. Arkansas River alluvial aquifer 104°20' 104°17'30" R. 62 W. R. 61 W. Base from U.S. Geological Survey North Avondale 1:24,000, 1974 and Devine 1:24,000, 1974 SCALE 1:24 000 7000 FEET 0°21' | 12° | /213 MILS CONTOUR INTERVAL 10 FEET COLORADO DOTTED LINES REPRESENT 5-FOOT CONTOURS DATUM IS SEA LEVEL UTM GRID AND 1974 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET QUADRANGLE LOCATION **EXPLANATION** TEST HOLE DRILLED FOR THIS STUDY—Shows test-hole name — 4690 — BEDROCK CONTOUR—Shows altitude of surface of Pierre Shale. Dashed where inferred. Contour interval 10 feet. Datum is sea level. Contours DATA POINT—Number is altitude of surface of Pierre Shale, in feet for Arkansas River alluvial aquifer are from Nelson and others (1989) SPRING OR SEEP $_{\rm Q\,4582}^{\rm BIVIVV-UZ}$ OBSERVATION WELL DRILLED FOR THIS STUDY—Shows well name. Number is altitude of surface of Pierre Shale, in feet A—A' TRACE OF SECTION—Hydrogeologic section shown in figure 3 MAP SHOWING ALTITUDE OF THE PIERRE SHALE OF UPPER CRETACEOUS AGE UNDERLYING THE

ALLUVIAL AQUIFERS AT THE PUEBLO DEPOT ACTIVITY NEAR PUEBLO, COLORADO