

DEEP COAL

TECHNICAL SOURCE: COLORADO LAND USE COMMISSION MAP, DATED JANUARY 1974; P.E. SOISTER REPORT.

HIGHER GRADE SUB-BITUMINOUS COAL DEPOSITS EXIST FROM 500' TO 1600' BELOW THE SURFACE IN CONJUNCTION WITH THE LARAMIE FORMATION FOR THE WESTERN 3/4 OF ADAMS COUNTY AND CONTINUES ON THIS MAP. THE EXTENT AND QUALITY IS UNKNOWN. EXTRACTION, HOWEVER, WOULD HAVE TO BE THROUGH SHAFT MINING, AND IS CONSIDERED UNLIKELY IN THE FORESEEABLE FUTURE.

SHALLOW COAL

TECHNICAL SOURCE: COLORADO LAND USE COMMISSION MAP, DATED JANUARY 1975; STRIPABLE COAL RESOURCES OF COLORADO BY CHARLES SPELTZ; P.E. SOISTER REPORT.

LIGNITE: COAL BEDS IN VEINS 3' TO 50' IN THICKNESS AVERAGE 15' WITHIN 150' OF THE SURFACE, AND WITH A STRIPPING RATIO OF 10 TO 1 OR LESS. COMMERCIAL EXTRACTION AND COAL GASIFICATION IS PROBABLY FEASIBLE THROUGH OPEN-PIT MINING, IF MINED IN A LARGE ENOUGH OPERATION, ALTHOUGH TECHNOLOGY AND FRONT-END INVESTMENTS ARE STILL MAJOR PROBLEMS. SOME POSSIBILITY OF EXTRACTION ALUMINA FROM OVERBURDEN ALSO EXISTS.


 SHALLOW COAL RESOURCE BOUNDARIES

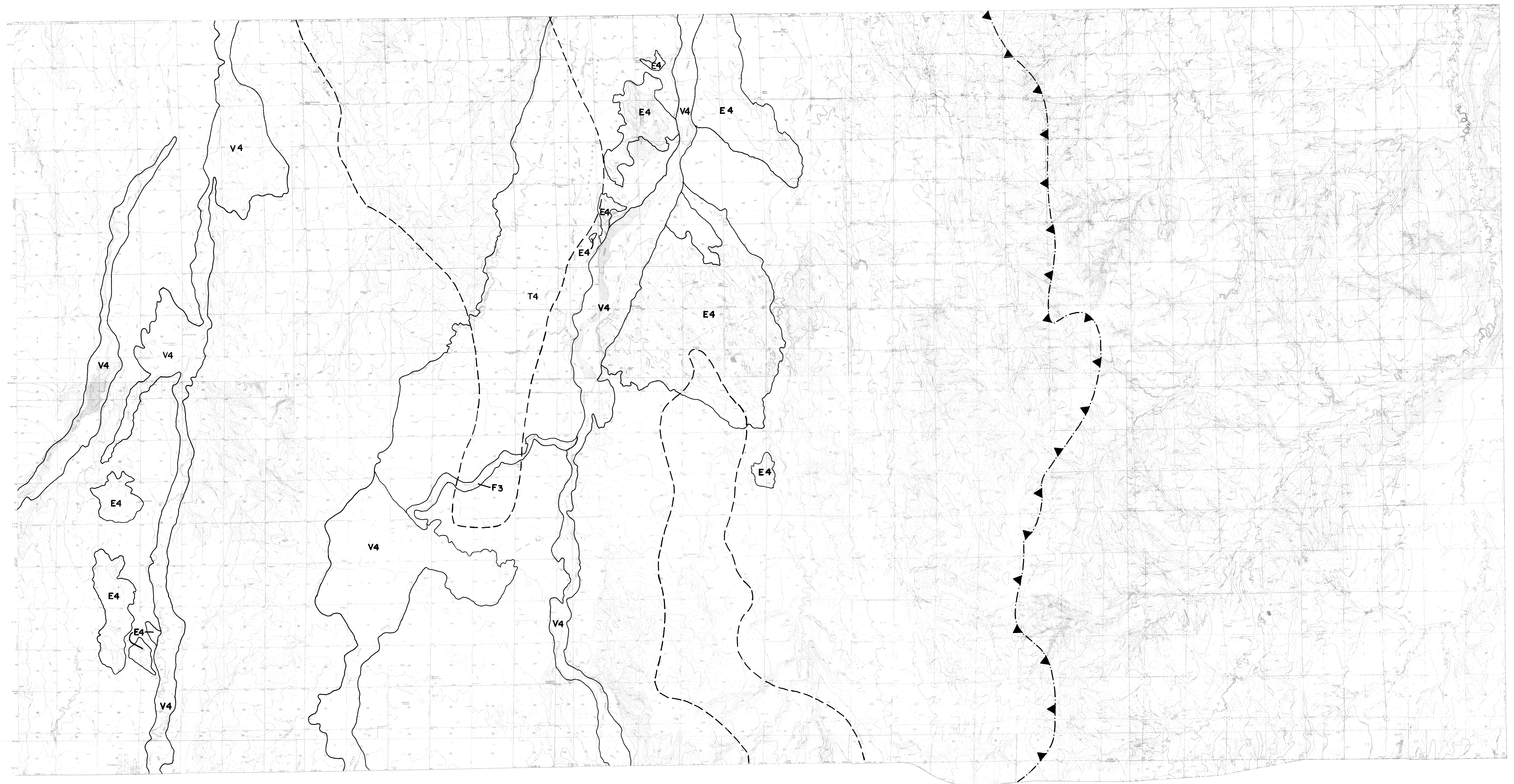
NATURAL RESOURCES MAP NO. ONE SAND, GRAVEL, AND COAL

HB-1041 TECHNICAL IDENTIFICATION

SAND AND GRAVEL

TECHNICAL SOURCE: DEPARTMENT OF NATURAL RESOURCES, COLORADO GEOLOGICAL SURVEY, DATED JUNE 30, 1974.

E3 - WIND DEPOSITED SAND (EOLIAN) - SAND
F1 - FLOODPLAIN DEPOSIT (GRAVEL) - RELATIVELY CLEAN AND SOUND
F3 - FLOODPLAIN DEPOSIT (SAND)
T3 - STREAM TERRACE DEPOSIT (SAND)
T4 - STREAM TERRACE DEPOSIT - PROBABLE AGGREGATE RESOURCE
U2 - UPLAND DEPOSITS (GRAVEL) - SIGNIFICANT FINES, DECOMPOSED ROCK, AND CALCIUM CARBONATE
U4 - UPLAND DEPOSITS - PROBABLE AGGREGATE RESOURCE
V3 - VALLEY FILL (F&T) - SAND
V4 - VALLEY FILL - PROBABLE AGGREGATE RESOURCE
F4 - FLOODPLAIN DEPOSIT - PROBABLE AGGREGATE RESOURCE
 SAND AND GRAVEL DEPOSIT BOUNDARIES



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◀ BOTH DEEP AND SHALLOW COAL DEPOSITS
EXIST WEST OF THIS BOUNDARY.

SHALLOW COAL

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--- SHALLOW COAL RESOURCE BOUNDARIES

NATURAL RESOURCES MAP NO. TWO SAND, GRAVEL, AND COAL

HB-1041 TECHNICAL IDENTIFICATION

SAND AND GRAVEL

TECHNICAL SOURCE: DEPARTMENT OF NATURAL RESOURCES, COLORADO GEOLOGICAL SURVEY, DATED JUNE 30, 1974.

E4 - WIND DEPOSITED SAND (EOLIAN) - PROBABLE AGGREGATE RESOURCE
F3 - FLOODPLAIN DEPOSIT (SAND)
T4 - STREAM TERRACE DEPOSIT - PROBABLE AGGREGATE RESOURCE
V4 - VALLEY FILL - PROBABLE AGGREGATE RESOURCE

--- SAND AND GRAVEL DEPOSIT BOUNDARIES