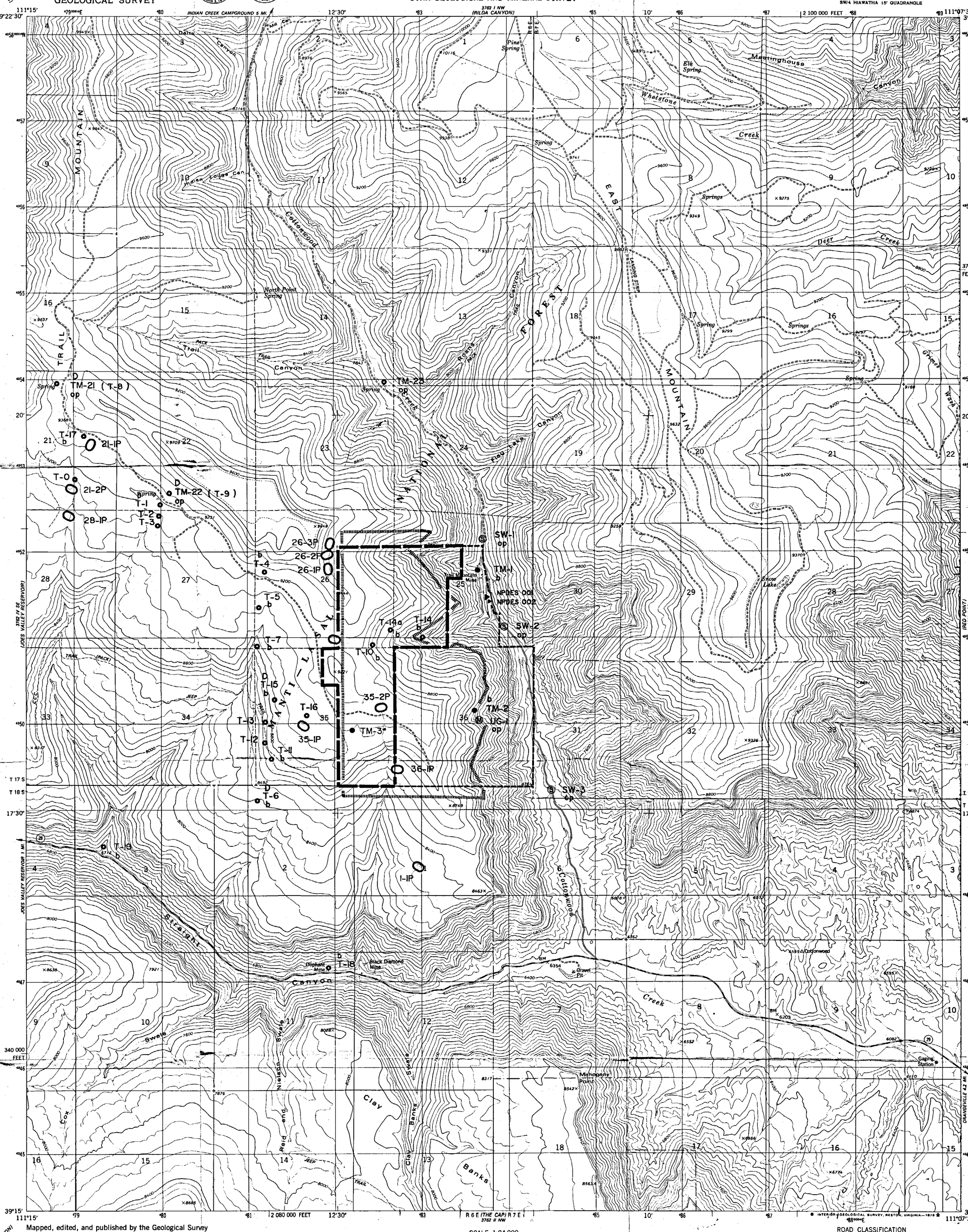
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF UTAH
UTAH GEOLOGICAL AND MINERAL SURVEY

MAHOGANY POINT QUADRANGLE
UTAH—EMERY CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)
SW/4 HIAWATHA 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and U.S. Forest Service

Topography by photogrammetric methods from aerial photographs taken 1970. Field checked 1974. Map edited 1979

Projection and 10,000-foot grid ticks: Utah coordinate system, central zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 12
1927 North American datum

Fine red dashed lines indicate selected fence lines

There may be private inholdings within the boundaries of the National or State reservations shown on this map

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT 40-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

UTAH
QUADRANGLE LOCATION

MAHOGANY POINT, UTAH
SW/4 HIAWATHA 15' QUADRANGLE
N3915—W11107.5/7.5
1979
DMA 3762 I SW—SERIES V897

RECEIVED
MAR 27 1987
DIVISION OF
OIL, GAS & MINING

EXPLANATION

- T-1 — SPRINGS WITH STATION NUMBERS
- D — DEVELOPED SPRINGS (WITH STOCK WATERING TROUGH)
- b — SPRINGS THAT ARE CURRENTLY BEING MONITORED FOR BASELINE DATA (USING DOGM 1986 REVISED WATER QUALITY MONITORING GUIDELINES) SEE APPENDIX 7-D(13) TRACT 2 MRP
- op — SPRINGS THAT ARE CURRENTLY BEING MONITORED FOR OPERATIOAL PHASE DATA (USING DOGM 1986 REVISED WATER MONITORING GUIDELINES) SEE APPENDIX 7-D(13) TRACT 2 MRP
- 35-IP — POND PUNOFF FED
- POND - SPRING FED - CONSIDERED DEVELOPED BY THE USFS
- (M) — IN-MINE GROUND WATER MONITORING LOCATION WITH STATION NUMBER (UG-1)
- NPDES DISCHARGE LOCATIONS WITH STATION NUMBERS
  - LOCATION 001 IS A DISCHARGE LOCATION FROM A SEDIMENTATION POND
  - LOCATION 002 IS AN IN-MINE DISCHARGE LOCATION AND IS METERED FOR FLOW (NOT IN SERVICE)
- (S) — SURFACE WATER MONITORING LOCATION (COTTONWOOD CREEK) WITH STATION NUMBERS SW-1, SW-2, SW-3
- b — LOCATION THAT IS CURRENTLY BEING MONITORED FOR BASELINE DATA (USING DOGM 1986 REVISED WATER QUALITY MONITORING GUIDELINES) SEE APPENDIX 7-D(13) TRACT 2 MRP
- op — LOCATION THAT IS CURRENTLY BEING MONITORED FOR OPERATIONAL PHASE DATA (USING DOGM 1986 REVISED WATER QUALITY MONITORING GUIDELINES) SEE APPENDIX 7-D(13) TRACT 2 MRP
- MONITORING WELL WITH STATION NUMBERS TM-1, TM-2
- TRACT 1 PERMIT AREA (PERMIT NUMBER ACT/015/009)
- TRACT 2 PERMIT AREA (LEASE NUMBER U 09332)
- THE PROJECT MAXIMUM AREA OF SUBSIDENCE AT THE SURFACE - THIS PROJECTION CONFORMS WITH THE ANGLE-OF-DRAW VALUES FOUND IN CHAPTER 12 OF TRAIL MOUNTAIN COAL CO. TRACT 2 MRP
- TM-3* — TM-3* IS A PROPOSED IN-MINE MONITORING WELL AND WILL BE DRILLED AFTER AREA IS MINED

TRAIL MOUNTAIN COAL CO.
WATER MONITORING LOCATIONS AND DISCHARGE LOCATIONS

REVISION DATE	BY		
		GEOLOGY BY	
		ENGINEERING BY APC	
2/86	APC	SURVEYED BY	
11/86	APC	PREPARED BY APC	
1/87	APC	APPROVED BY APC	
3/87	APC	SCALE 0 2000	SHEET ____ OF ____
3/25/87	APC		DWG. NO.

FIGURE 7-3