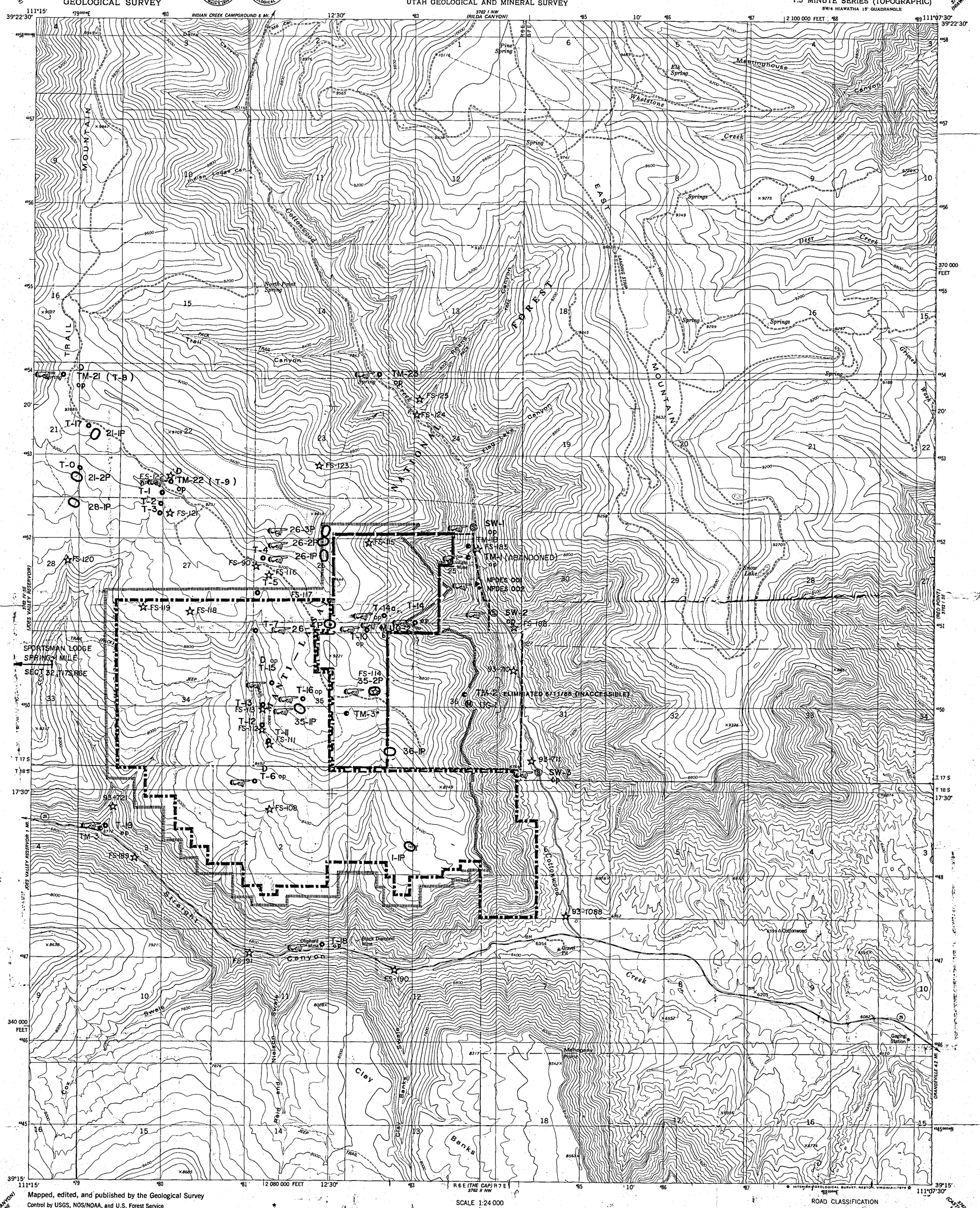
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF UTAH
UTAH GEOLOGICAL AND MINERAL SURVEY

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



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 RUNOFF 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)

WATER MONITORING LOCATIONS

- PERMIT APPLICATION AREA (UTU-64375)
- (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 - 49332)
- 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
- ☆ — WATER RIGHTS LOCATION — FS-112 = U.S FOREST SERVICE WATER RIGHT; 93-709 = WATER RIGHT DESIGNATION

LICENSED PROFESSIONAL ENGINEER No. 1 STATE OF UTAH

REGISTERED PROFESSIONAL ENGINEER No. 4549 GUY 3/11/91 STATE OF UTAH

SUPERSEDED
EFFECTIVE:
AUG 02 1997
UTAH DIVISION OIL, GAS AND MINING

ENERGY WEST MINING COMPANY
TRAIL MOUNTAIN MINE
WATER MONITORING LOCATIONS
DISCHARGE LOCATIONS

PLATE 7-2

REVISION DATE	BY		
2/86	APC	GEOLOGY BY	
11/86	APC	ENGINEERING BY	APC
1/87	APC	SURVEYED BY	
3/87	APC	PREPARED BY	APC
3/25/87	APC	APPROVED BY	APC
6/87	APC	SCALE 0 2000	SHEET ___ OF ___
2/90	DWG		DWG. NO. TMS1450D
5/90	K.S.F.		
3-1-91	L.W.J.		
1/95	PKB		