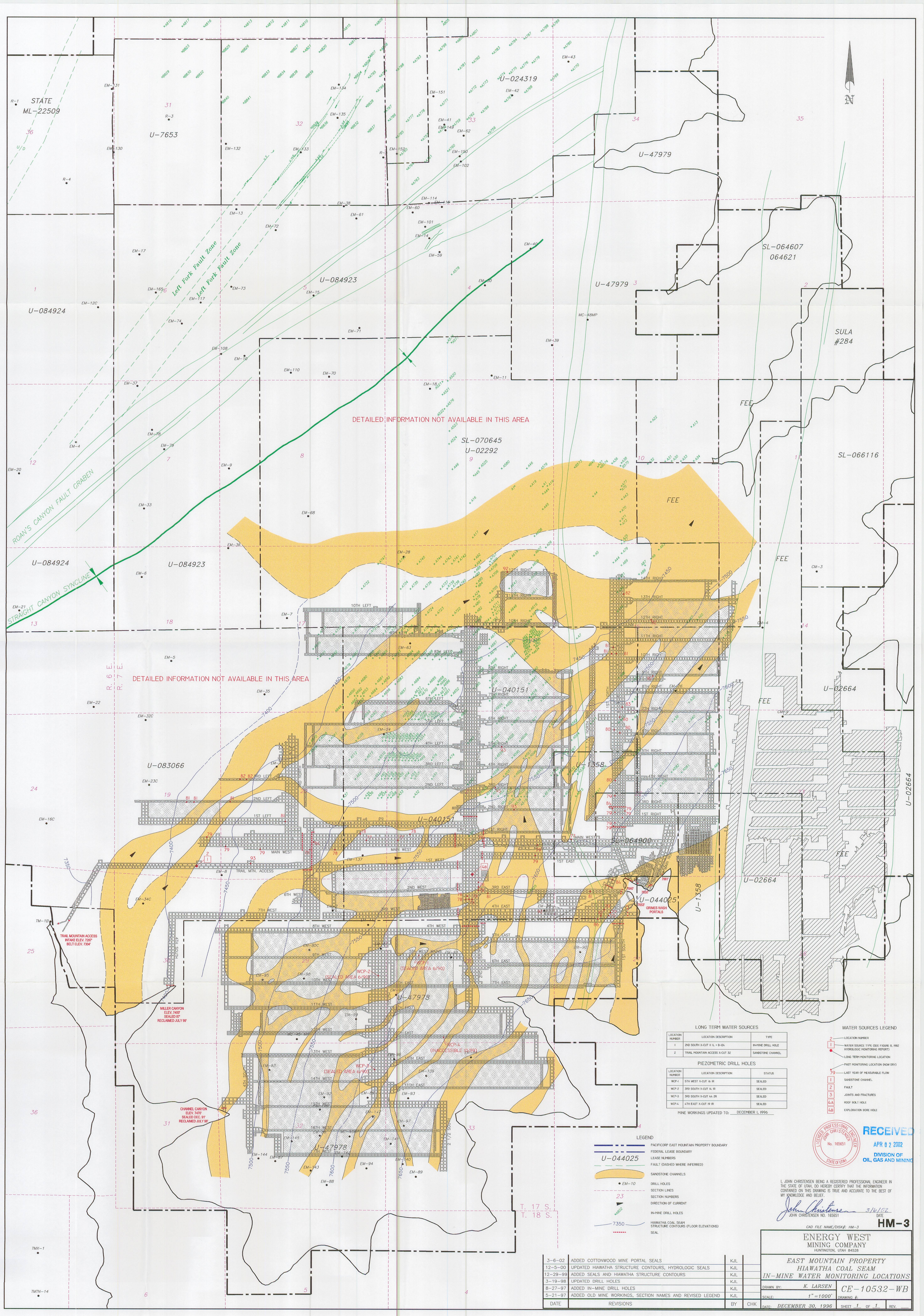

LONG TERM WATER SOURCES

LOCATION NUMBER	LOCATION DESCRIPTION	TYPE
1	2ND SOUTH X-CUT 11 IL = B-124	IN-MINE DRILL HOLE
2	TRAIL MOUNTAIN ACCESS X-CUT 32	SANDSTONE CHANNEL

PIEZOMETRIC DRILL HOLES

LOCATION NUMBER	LOCATION DESCRIPTION	STATUS
WCP-1	5TH WEST X-CUT 16 IR	SEALED
WCP-2	3RD SOUTH X-CUT 14 IR	SEALED
WCP-3	3RD SOUTH X-CUT 44 2R	SEALED
WCP-4	4TH EAST X-CUT 19 IR	SEALED

MINE WORKINGS UPDATED TO: DECEMBER 1, 1996

WATER SOURCES LEGEND

- 2 — LOCATION NUMBER
- 1 — WATER SOURCE TYPE (SEE FIGURE 8, 1982 HYDROLOGIC MONITORING REPORT)
- LONG TERM MONITORING LOCATION
- PAST MONITORING LOCATION (NOW DRY)
- 79 — LAST YEAR OF MEASURABLE FLOW
- 1 — SANDSTONE CHANNEL
- 2 — FAULT
- 3 — JOINTS AND FRACTURES
- 4A — ROOF BOLT HOLE
- 4B — EXPLORATION BORE HOLE

LEGEND

- PACIFICORP EAST MOUNTAIN PROPERTY BOUNDARY
- U-044025 — FEDERAL LEASE BOUNDARY — LEASE NUMBERS
- FAULT (DASHED WHERE INFERRED)
- SANDSTONE CHANNELS
- EM-10 — DRILL HOLES
- SECTION LINES
- 23 — SECTION NUMBERS
- DIRECTION OF CURRENT
- IN-MINE DRILL HOLES
- 7350 — HIAWATHA COAL SEAM STRUCTURE CONTOURS (FLOOR ELEVATIONS)
- SEAL

LICENSED PROFESSIONAL ENGINEER JOHN CHRISTENSEN No. 165651 STATE OF UTAH

RECEIVED APR 02 2002 DIVISION OF OIL, GAS AND MINING

I, JOHN CHRISTENSEN BEING A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED ON THIS DRAWING IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JOHN CHRISTENSEN NO. 165651 — DATE 3/6/02

CAD FILE NAME/DISK#: HM-3

HM-3

DATE	REVISIONS	BY	CHK
3-6-02	ADDED COTTONWOOD MINE PORTAL SEALS	KJL	
12-5-00	UPDATED HIAWATHA STRUCTURE CONTOURS, HYDROLOGIC SEALS	KJL	
12-29-99	ADDED SEALS AND HIAWATHA STRUCTURE CONTOURS	KJL	
3-19-98	UPDATED DRILL HOLES	KJL	
8-27-97	ADDED IN-MINE DRILL HOLES	KJL	
5-21-97	ADDED OLD MINE WORKINGS, SECTION NAMES AND REVISED LEGEND	KJL	

ENERGY WEST MINING COMPANY
HUNTINGTON, UTAH 84528

EAST MOUNTAIN PROPERTY
HIAWATHA COAL SEAM
IN-MINE WATER MONITORING LOCATIONS

DRAWN BY: K. LARSEN
SCALE: 1"=1000'
DATE: DECEMBER 30, 1996
DRAWING #: CE-10532-WB
SHEET 1 OF 1
REV.