COTTONWOOD/WILBERG MINE PERMIT AREA

1ST LEFT BLOCK, 2022–2026

4TH EAST BLOCK, 2022–2026

U–084924 | U–084923 | U–083066 | U–040151 | U–1358 | U–044025 | U–37641 | U–37642

SL–070645 U–02292

SL–070645 U–02292 RELINQUISHED APRIL 24, 1992

SL–066116 RELINQUISHED APRIL 24, 1992

SL–064900

U–02664

U–02664 RELINQUISHED APRIL 24, 1992

U–02664 RELIN. 5–24–92

U–1358 RELINQUISHED JUNE 12, 1995

U–1358 RELINQUISHED APRIL 24, 1992

U–47978 RELINQUISHED APRIL 24, 1992

U–47978 RELINQUISHED OCTOBER 16, 1992

U–47978 RELINQUISHED APRIL 24, 1992

U–47978 RELINQUISHED APRIL 24, 1992

McKINNON FEE

U.P.&L. CO. FEE

L.D.S. FEE

OLD JOHNSON MINE

FOREST SERVICE SPECIAL USE PERMIT

FOREST SERVICE SPECIAL USE PERMIT

MILLER CANYON BREAKOUTS RECLAIMED 6/99

CHANNEL CANYON BREAKOUTS RECLAIMED 8/97

U–37641 SEWER ABSORPTION FIELD

SEDIMENTATION POND

S.U.L.A. 1195

WASTE ROCK STORAGE SITE UTU–65027

EM–5 EM–6 EM–7 EM–8 EM–16C EM–21 EM–22 EM–23C EM–24 EM–26 EM–28 EM–29 EM–32C EM–34C EM–35 EM–36 EM–63 EM–80C EM–83 EM–84 EM–88 EM–89 EM–90 EM–91 EM–92 EM–93 EM–94 EM–96 EM–97 EM–98 EM–99 EM–137 EM–139 EM–140 EM–141 EM–142 EM–143 EM–144 EM–145 EM–146 EM–147 MC–45–46 MC–46NP CM–3 CM–4 CM–5

R. 6 E. R. 7 E.

T. 14 S. T. 15 S.

13 18 19 24 25 29 30 32 33 35 14 23 26

LEGEND

- COTTONWOOD MINE PERMIT BOUNDARY
- U–024317 — FEDERAL COAL LEASE NUMBER
- FEDERAL COAL LEASE BOUNDARY
- COAL OUTCROP
- > 5' / < 5' — 5' MINEABLE COAL ISOPACH CONTOUR (>=Greater Than, <=Less Than)
- FAULT (DASHED WHERE INFERRED)
- 2022–2026 — LIFE–OF–MINE COAL RESERVES

RECEIVED
JUN 01 2012
DIV. OF OIL, GAS & MINING

DATE	REVISIONS	BY	CHK.
4–10–12	REVISED TO REFLECT PHASE 3 BOND RELEASE OF THE COTTONWOOD WASTE ROCK SITE	KJL	
6–29–05	REVISED PERMIT BOUNDARY	KJL	
1–8–04	ADDED TIMING TO LIFE–OF–MINE RESERVES	KJL	
1–22–03	REVISED COTTONWOOD MINE PERMIT BOUNDARY	KJL	

LICENSED PROFESSIONAL ENGINEER — JOHN CHRISTENSEN — 5/1/12 — No. 156824 — STATE OF UTAH

MINE WORKINGS UPDATED TO: AUGUST 1, 1997 (KJL)

CAD FILE NAME/DISK#: CM10807WB

3-1

ENERGY WEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP

COTTONWOOD COAL MINE
LIFE OF MINE PLAN
HIAWATHA COAL SEAM

DRAWN BY:	K. LARSEN	CM–10807–WB	
SCALE:	1" =1000'	DRAWING #:	
DATE:	APRIL 10, 2012	SHEET 1 OF 1	REV. ___