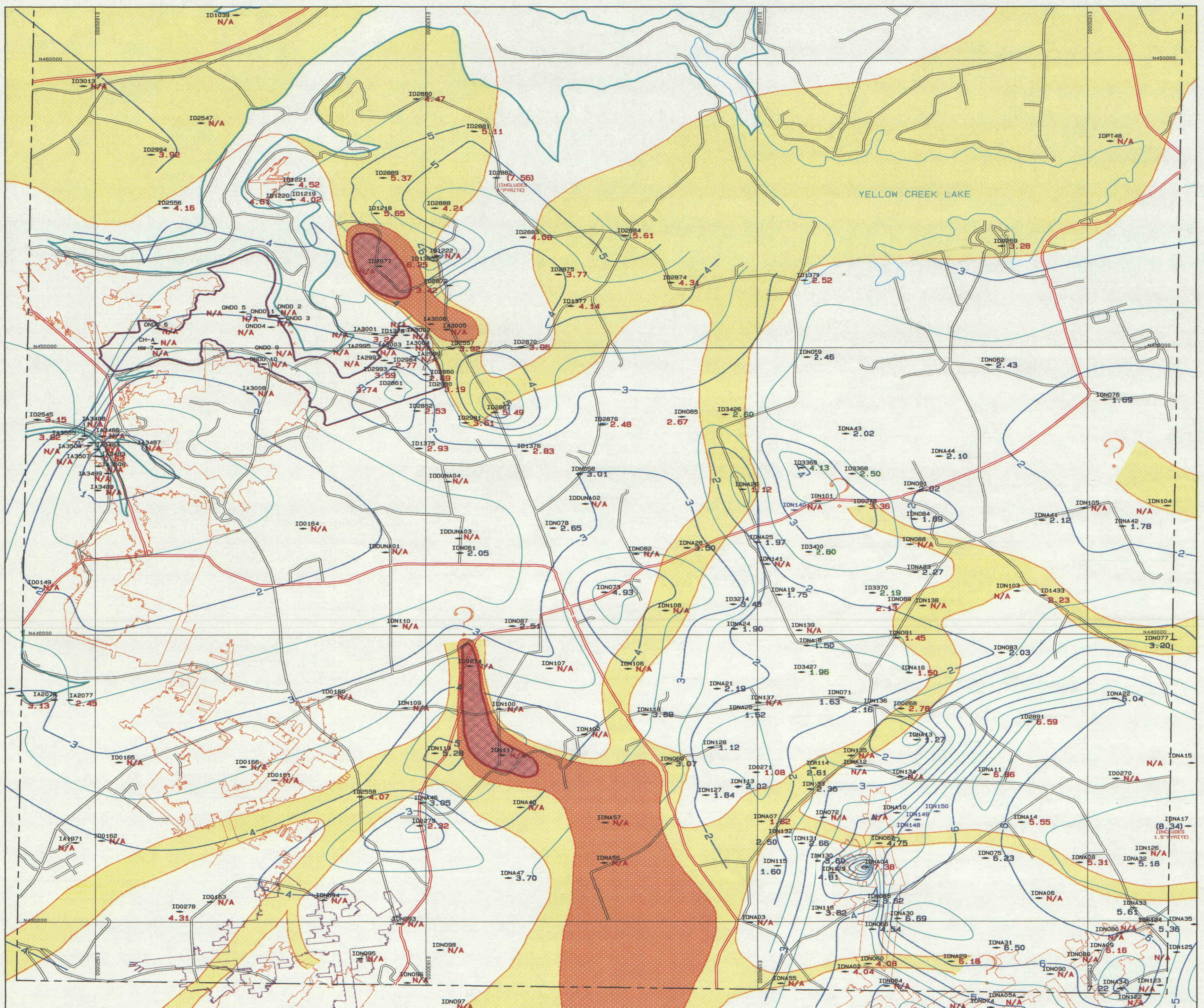


BRUSH VALLEY LOWER KITTANNING



IN-SEAM SULFUR OF MINEABLE SEAM HEIGHT

CONTOUR INTERVAL = 0.5 %

VALUES IN PARENTHESES () HAVE NOT
BEEN CONTOURED (REASON STATED).

WASHABILITY ANALYSIS

NOTE: ALL WASHABILITY ANALYSIS VALUES HAVE BEEN CONTOURED.
3.91 WASHABILITY ANALYSES EXCLUDE OSD.
2.80 WASHABILITY ANALYSES INCLUDE 2 INCHES OSD.

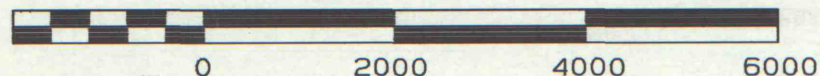
BRUSH VALLEY 7 1/2 MINUTE
QUADRANGLE BOUNDARY

IDN150

INDICATES PARTIAL DRILLHOLE DATA ONLY

- LOWER KITTANNING CROP LINE
- LOWER KITTANNING DEEP MINE
- LOWER FREEPORT DEEP MINE
- ONDO MINE PERMIT BOUNDARY

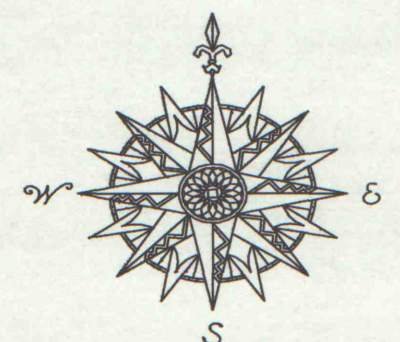
GRAPHIC SCALE 1"=2000'



DATE: MON FEB 24 15:22:31 1997
PROJECT: C:GEOLOGY REGION K:BRUSH VALLEY
TITLE: BRUSH VALLEY 7 1/2 MINUTE QUADRANGLE

POST-DEPOSITIONAL SANDSTONE CHANNELS

- SANDSTONE ON TOP OF COAL SEAM
COAL POSSIBLY DISTURBED. POOR ROOF
- AREAS OF PARTIAL SANDSTONE
CUTOUT. NOT MINEABLE.
- NO COAL AREAS. SEAM REMOVED.



IMAPS# 11691