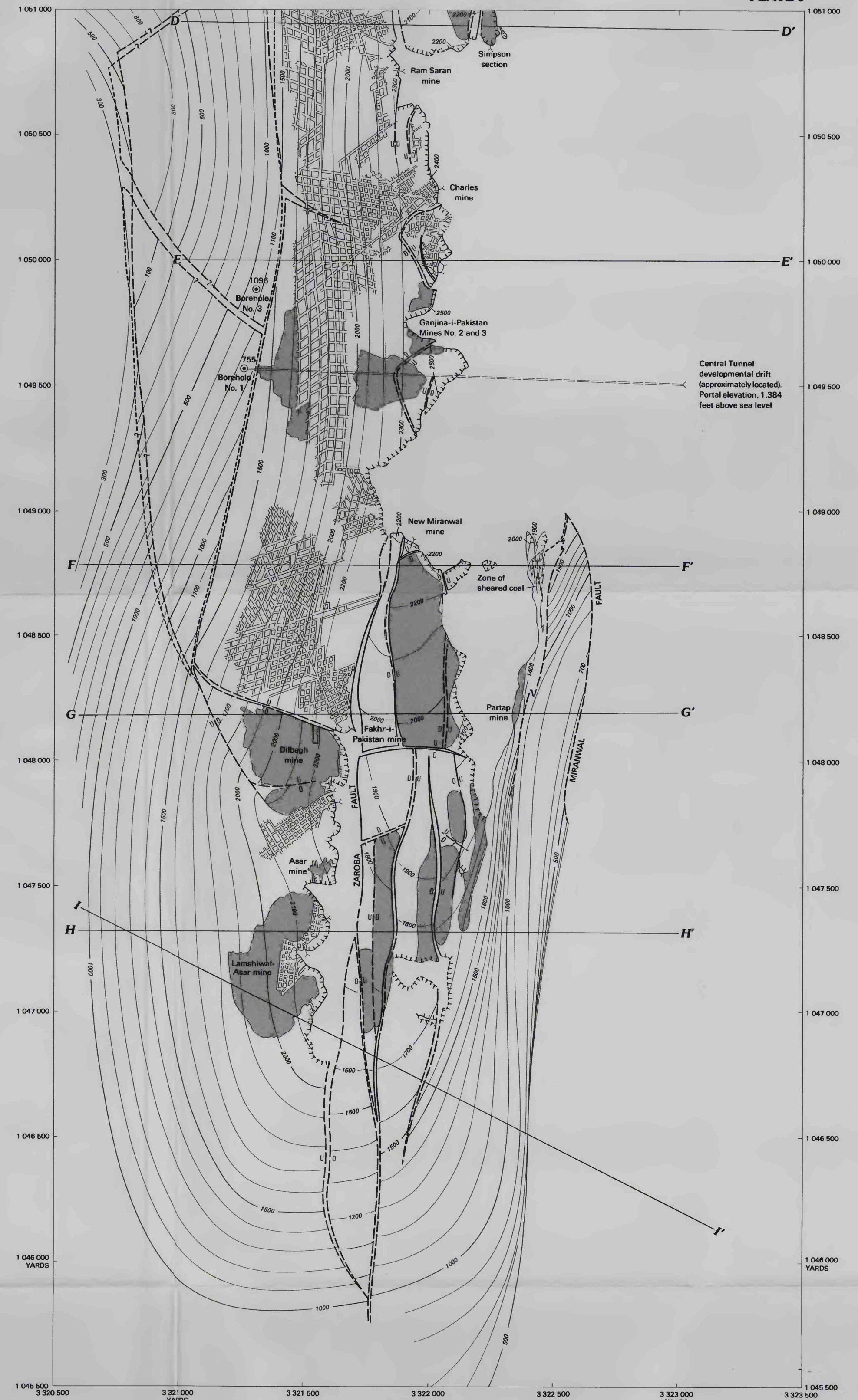
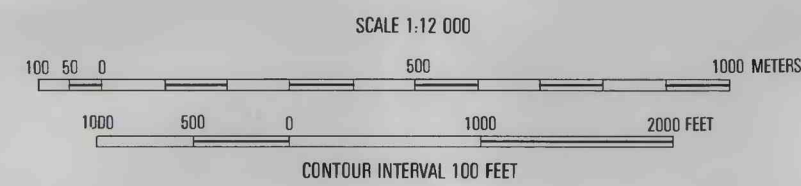


NORTH HALF

- EXPLANATION**  
(Note: Cross section lines correspond to plate 2)
- Coal outcrop—Solid where exposed, dashed where inferred, dotted where concealed
  - Structure contour—In feet above sea level; drawn on base of Makarwal coal bed (contours of coal-bearing areas east of Miranwal fault not shown)
  - Fault—Solid where position is substantiated by surface geology or other evidence, long-dashed where inferred, short-dashed where trace of fault occurs on coal where it extends beneath upthrown block of coal (U, upthrown block; D, downthrown block), queried where fault or extension of fault is based on conjecture
  - Goaf—Area where pillars have been mined out. Limits taken from old mine maps compiled largely from sketch maps and estimates; locally, boundaries do not coincide with geologic structures
  - Mine workings—Adapted from tracings provided by Pakistan Development Cooperation Collieries, Makarwal
  - Access drift
  - Portal in coal
  - Borehole showing elevation of coal (in feet)



SOUTH HALF



**STRUCTURAL MAP, MAKARWAL COAL FIELD, PAKISTAN**