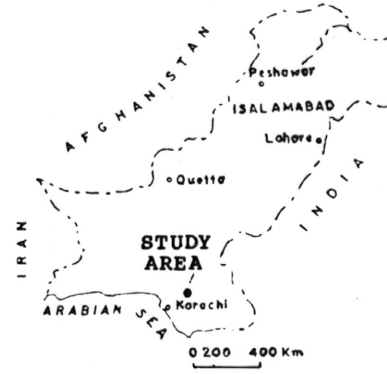


Base map metric grid digitally generated by USGS, Reston, Virginia.
Data points located relative to grid from best available information.
Latitude and longitude adjusted to grid from Survey of Pakistan 1:50,000 scale
topographic maps on paper copy.
Selected drainage and cultural features added later at USGS from same topographic
maps and are shown for reference only.

This report is preliminary and has not been reviewed for conformity with
U.S. Geological Survey editorial standards, the North American Stratigraphic
Code, or the Stratigraphic Code of Pakistan.

| INDEX TO MAPS AND EDITIONS USED IN COMPILATION | | | | | |
|---|-------------------|-------------------|--------------------|-------------------|-------------------|
| 35 9 15 2nd ed. | 40 4 3 3rd ed. | 40 4 7 3rd ed. | 35 9 16 2nd ed. | 40 4 4 3rd ed. | 40 4 8 3rd ed. |
| 35 9 13 2nd ed. | 40 4 1 2nd ed. | 40 4 5 3rd ed. | | | |



SCALE 1:50,000
1 2 3 4 5 6 7 8 9 KILOMETERS
1 2 3 4 5 MILES
PREPARED JOINTLY BY THE GEOLOGICAL SURVEY OF PAKISTAN
AND THE UNITED STATES GEOLOGICAL SURVEY
UNDER THE AUSPICES OF THE UNITED STATES AGENCY FOR INTERNATIONAL DEVELOPMENT



| EXPLANATION | |
|-------------|-------------------|
| --- | DISTRICT BOUNDARY |
| --- | SURFACED ROAD |
| --- | UNSURFACED ROAD |
| --- | RAILROAD |
| --- | POPULATED PLACE |
| --- | COAL DRILL HOLE |
| --- | MINE |
| --- | OK & GAS TEST |

| GRID AND DATA POINT LOCATIONS | |
|-----------------------------------|---|
| PROJECT COAL REAP(GSP/USGS/USAID) | |
| Map title | JHERRUCK AREA |
| Compiled by | JRS |
| Drawn by | Saleem Ahmed, Faheemuddin & Abdul Fatah |
| Processed by | B.Z. Zahid G.R. Soomro H.A. Qaiser M. Gasim |
| Date | 11 March 90 |
| Revised | 18 Feb 92 26 Aug 93 |

ISOPACH MAP OF THE THICKEST INAYATABAD COAL BED, JHERRUCK AREA, SINDH PROVINCE PAKISTAN

By
John R. SanFilipo, Shafique A. Khan, and Altaf H. Chandio
1993