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PREFACE

The Geological Survey of Pakistan (GSP) publish professional publications and maps for public and professionals on Geology, Geophysics, Hydrology, Minerals, Geo-hazards, Geochemistry, and Tectonics etc. These publications categorized as **Memoirs, Records, Information Releases (I. R), Mineral Information Series (M. I. S), Mineral Information Circular (M. I. C), Open File Reports (O. F. R), Pre-Publication Issues (P. P. I), P-K Series, Administrative Reports (A. R), Geophysical Notes, Water Resources and Engineering Geology Series and Annual Accomplishment Reports**; all these publications have bulk of geologic information/data, experts interpretations and recommendations.

This catalogue has been necessitated because of the growing demand for GSP's data and information for multifarious uses by universities, research organizations, government departments, industries: mining & oil companies, defense services, land, water & natural resources developers, engineering consultants, contractors, and the NGO's involved in various socio-economic & environmental issues.

GSP has enlisted all the publications in this catalogue; all these publications are available at Publication Library, GSP Headquarters, Quetta and Islamabad (some of them are just for reading section and some for sale) This catalogue and its updates can also be accessed through GSP web site <http://www.qsp.gov.pk>

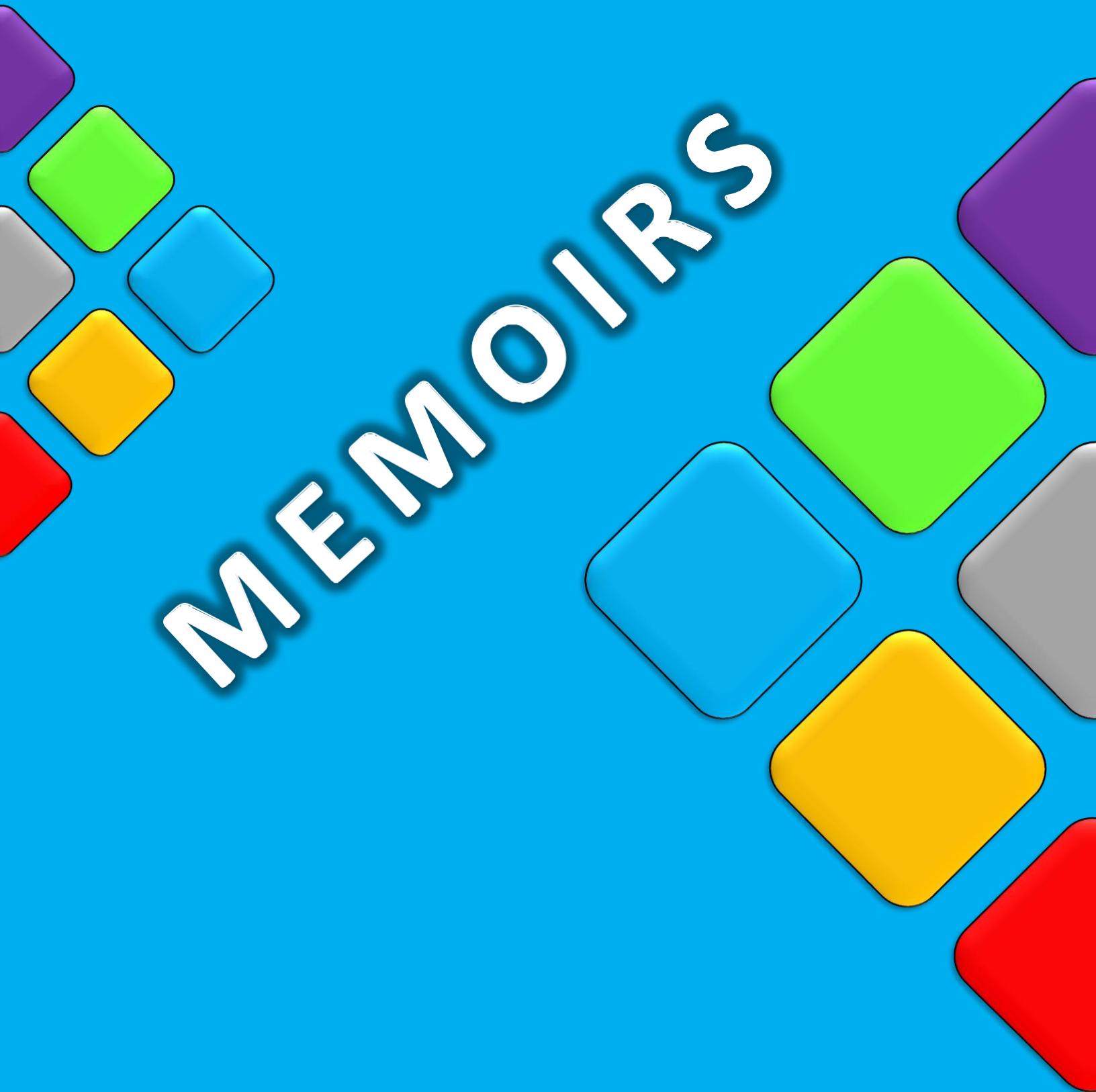


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MEMOIRS





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| | | A Muhammad Abu Bakr | 1963 | Geology of the Western Ras Koh Range Chagai & Kharan Districts, Quetta and Kalat Divisions, West Pakistan. | Map included |
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| | | C S. A. Bilgrami | 1964 | Mineralogy and petrology of the central part of the Hindubagh igneous complex, Hindubagh Mining District, Zhob Valley, West Pakistan | |
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| | | Report-3 | M. A. Zaheer | 1970 | Limestone Deposits of western part of Takerghat area, District Sylhet , Pakistan. | |
| | | Report-4 | M. A. Maroof Khan | 1970 | Gravel and Sand Deposits of Panchagarh and Tetulia Thana, Dinajpur District, Pakistan. | |
| | | Report-5 | Ali Hamza Kazmi, Syed Qamar Raza | 1970 | Water supply of Quetta Basin Balochistan, Pakistan. | |
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| | | Report-6 | Muhammad Muslim, Rafiq Ahmed Khan | 1973 (b) | The Evaluation of Sanni Sulphur Deposit, Kachhi District, Kalat Balochistan, Pakistan. |
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| 22 | 22 | Mir Waseluddin Ahmad Iqbal | 1974 | Biostratigraphy of the Tiyon Formation (Middle Eocene) of Sind, Pakistan. | |
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| 34 | 34 | Richard Henary Sillitoe | 1976 | Metallogenetic Evolution of a Collisional Mountain Belt in Pakistan (A Preliminary analysis). | |
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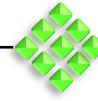
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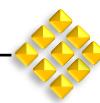
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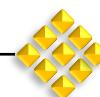
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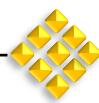


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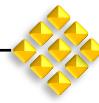




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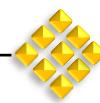


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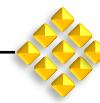
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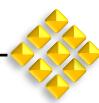


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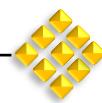


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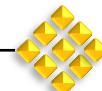




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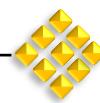


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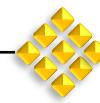




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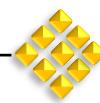
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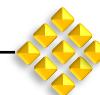
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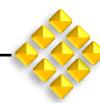


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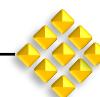




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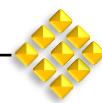


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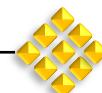




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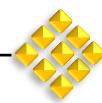


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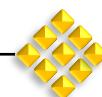




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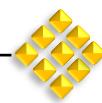
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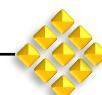
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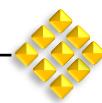
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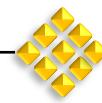
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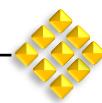


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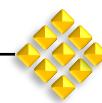
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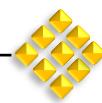
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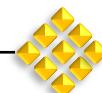
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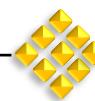
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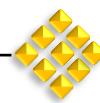
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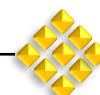
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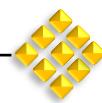
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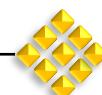
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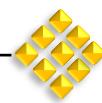
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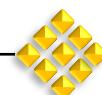
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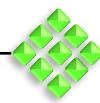
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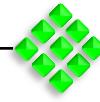
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|--------|-----------------------|--|---------|---|---------|
| 1 | Banu Quadrangle | W. R. Hemphil, Abdul Hai Kidwai, Syed Jamiluddin | 1962-64 | USGS pp 716 B Plate 2, Geologic Map of Banu Quadrangle, Pakistan | |
| 2 | Kohat Quadrangle | C. R. Meissner, Jan Muhammad Master, Abdul Rashid, Muhammad Hussain | 1961-63 | USGS pp 716 D Plate I, Geologic Map Cross Sections of the Kohat Quadrangle, Pakistan | |
| 3 | Parachinar Quadrangle | C. R. Meissner, Muhammad Hussain, M. A. Rashid, U. B Sethi | 1964-65 | USGS PP 716 D Plate I, Reconnaissance Geologic Map and Cross Sections of the Parachinar Quadrangle, Pakistan | |
| 4 | 43 C | Farhat Hussain, Nasir Ali Bhatti, Umer B. Sethi | 1990 | Geologic Map of Attock Area, Punjab & NWFP Province, Pakistan | |
| 5 | | Florian Maldonado, Shahid Hassan Khan, Jan Muhammad Mengal, Jean Claude Thomas | 1998 | Geologic Map and Landsat images of parts of Loralai, Sibi, Quetta and Khuzdar divisions, Balochistan Province, West- Central Pakistan | |
| 6 | 43 B | Ahmed Hussain, Joseph A. Dipietro, Kevin R. Pogue, Irshad Ahmad | 2004 | Geological Map of 43 B, Degree Sheet NWFP, Pakistan | |
| 7 | 39 C | Shahid Hassan Khan | 2009 | Geological Map of Lahri Quadrangle, Balochistan, Pakistan | |
| 8 | 39 D | Shahid Hassan Khan | 2009 | Geological Map of Jacobabad Quadrangle, Balochistan - Sindh Pakistan | |
| 9 | 39 G | Shahid Hassan Khan | 2009 | Geological Map of Fort Munro Quadrangle, Balochistan, Pakistan | |

MAP SECTION

| S. No. | Map/Quad No. | Authors | Year | Title | Remarks |
|---------------------------------|--------------|---|------|---|---------|
| 10 | 39 H | Shahid Hassan Khan | 2009 | Geological Map of Kashmor Quadrangle, Balochistan, Pakistan | |
| 11 | District Map | Shahid Hassan Khan | 2009 | Geological Map of Marri Bugti Area, Balochistan, Pakistan | |
| GEOLOGICAL ROAD LOG MAPS | | | | | |
| S. No. | Map/Quad No. | Authors | Year | Title | Remarks |
| 1 | Map. No. I | Saeed-uz-Zafar | 2000 | Islamabad to Khinjrab | |
| 2 | Map No. 2 | Muhammad Akhtar, Muhammad Anwar, Mustafa Kamal Pasha, Ghulam Sarwar Alam | 2000 | Islamabad - Lahore Motorway | |
| 3 | Map No. 3 | Ahmad Hussain, Muhammad Sabir Hayat, Arbab, Muhammad Sadin Muhammad Aslam, Ashraf Khan, Rab Nawaz Khan, Waliullah | 2000 | Islamabad - Peshawar- Khyber Pass Islamabad - Peshawar Section Peshawar - Khyber Pass Section | |

| AEROMAGNETIC MAPS | | | | | |
|---------------------------|---------------------|--|------|---|---------|
| SCALE: 1 : 250,000 | | | | | |
| S. No. | Map/Quad No. | Authors | Year | Title | Remarks |
| 1 | 30 G, H, K, L, O. P | Allan Spector & Associated Limited, Canada | 1982 | Chagai West, Saindak, Nokkundi Regions. | |
| 2 | 34 C, D, G, H | Allan Spector & Associated Limited, Canada | 1982 | Nushki, Raskoh-Kharan Regions | |
| 3 | 34 K, L, O. P | Allan Spector & Associated Limited, Canada | 1982 | Kalat, Surab Region (Axial Belt) | |
| 4 | 35 I, J, M, N | Allan Spector & Associated Limited, Canada | 1982 | Khuzdar-Bela Regions. (Axial Belt). | |
| 5 | 35 K,O | Allan Spector & Associated Limited, Canada | 1982 | Uthal-Sonmiani Region (Axial Belt) | |

| SCALE: 1 : 50,000 | | | | | | |
|--------------------------|-------------|--------------|---|--------|-------------|--------------|
| S. No. | New Map No. | Map/Quad No. | Allan Spector & Associated Limited, Canada (1982) | S. No. | New Map No. | Map/Quad No. |
| 1 | 10 | 30 G/11 | | 14 | 78 | 30 P/2 |
| 2 | 11 | 30 G/12 | | 15 | 79 | 30 P/3 |
| 3 | 12 | 30 H/9,10 | | 16 | 80 | 30 P/4 |
| 4 | 17 | 30 G/15 | | 17 | 93 | 30 O/8 |
| 5 | 18 | 30 G/16 | | 18 | 94 | 30 P/5 |
| 6 | 19 | 30 H/13 | | 19 | 95 | 30 P/6 |
| 7 | 20 | 30 H/14 | | 20 | 96 | 30 P/7 |
| 8 | 27 | 30 K/4 | | 21 | 97 | 30 P/8 |
| 9 | 38 | 30 K/8 | | 22 | 111 | 30 O/12 |
| 10 | 50 | 30 K/12 | | 23 | 112 | 30 P/9 |
| 11 | 61 | 30 K/16 | | 24 | 113 | 30 P/10 |
| 12 | 76 | 30 O/4 | | 25 | 114 | 30 P/11 |
| 13 | 77 | 30 P/1 | | 26 | 115 | 30 P/12 |

| S. No. | New Map No. | Map/Quad No. |
|--------|-------------|--------------|
| 27 | 128 | 30 O/16 |
| 28 | 129 | 30 P/13 |
| 29 | 130 | 30 P/14 |
| 30 | 131 | 30 P/15 |
| 31 | 132 | 30 P/16 |
| 32 | 145 | 34 C/4 |
| 33 | 146 | 34 D/1 |
| 34 | 147 | 34 D/2 |
| 35 | 148 | 34 D/3 |
| 36 | 149 | 34 D/4 |
| 37 | 163 | 34 C/8 |
| 38 | 164 | 34 D/5 |
| 39 | 165 | 34 D/6 |
| 40 | 166 | 34 D/7 |
| 41 | 167 | 34 D/8 |
| 42 | 180 | 34 C/11 |
| 43 | 181 | 34 C/12 |
| 44 | 182 | 34 D/9 |
| 45 | 183 | 34 D/10 |
| 46 | 184 | 34 D/11 |
| 47 | 185 | 34 D/12 |
| 48 | 199 | 34 C/15 |
| 49 | 200 | 34 C/16 |
| 50 | 201 | 34 D/13 |
| 51 | 202 | 34 D/14 |
| 52 | 203 | 34 D/15 |
| 53 | 204 | 34 D/16 |
| 54 | 217 | 34 G/3 |
| 55 | 218 | 34 G/4 |
| 56 | 219 | 34 H/1 |
| 57 | 220 | 34 H/2 |
| 58 | 221 | 34 H/3 |
| 59 | 222 | 34 H/4 |
| 60 | 235 | 34 G/7 |
| 61 | 236 | 34 G/8 |
| 62 | 237 | 34 H/5 |
| 63 | 238 | 34 H/6 |
| 64 | 239 | 34 H/7 |
| 65 | 240 | 34 H/8 |
| 66 | 253 | 34 G/11 |
| 67 | 254 | 34 G/12 |
| 68 | 255 | 34 H/9 |
| 69 | 256 | 34 H/10 |
| 70 | 257 | 34 H/11 |
| 71 | 258 | 34 H/12 |
| 72 | 272 | 34 G/15 |
| 73 | 273 | 34 G/16 |
| 74 | 274 | 34 H/13 |
| 75 | 275 | 34 H/14 |

**Allan Spector & Associated Limited, Canada
(1982)**

| S. No. | New Map No. | Map/Quad No. |
|--------|-------------|--------------|
| 76 | 276 | 34 H/15 |
| 77 | 277 | 34 H/16 |
| 78 | 291 | 34 K/2 |
| 79 | 292 | 34 K/3 |
| 80 | 293 | 34 K/4 |
| 81 | 294 | 34 L/1 |
| 82 | 295 | 34 L/2 |
| 83 | 296 | 34 L/3 |
| 84 | 297 | 34 L/4 |
| 85 | 298 | 35 I/1 |
| 86 | 299 | 35 I/2 |
| 87 | 300 | 35 I/3 |
| 88 | 301 | 35 I/4 |
| 89 | 302 | 35 J/1 |
| 90 | 303 | 35 J/2 |
| 91 | 304 | 35 J/3 |
| 92 | 305 | 35 J/4 |
| 93 | 306 | 35 K/1 |
| 94 | 307 | 35 K/2 |
| 95 | 308 | 35 K/3 |
| 96 | 314 | 35 K/6 |
| 97 | 315 | 35 K17 |
| 98 | 316 | 35 K/8 |
| 99 | 317 | 35 L15 |
| 100 | 318 | 35 L/6 |
| 101 | 319 | 34 L/7 |
| 102 | 320 | 34 L/8 |
| 103 | 321 | 35 I/5 |
| 104 | 322 | 35 I/6 |
| 105 | 325 | 35 J/5 |
| 106 | 326 | 35 J/6 |
| 107 | 327 | 35 J/7 |
| 108 | 328 | 35 J/8 |
| 109 | 329 | 35 K/5 |
| 110 | 330 | 35 K/6&7 |
| 111 | 337 | 34 K/10 |
| 112 | 338 | 34 K/11 |
| 113 | 339 | 34 K/12 |
| 114 | 340 | 34 L/9 |
| 115 | 341 | 34 L/10 |
| 116 | 342 | 34 L/11 |
| 117 | 343 | 34 L/12 |
| 118 | 348 | 35 J/9 |
| 119 | 349 | 35 J/10 |
| 120 | 350 | 35 J/11 |
| 121 | 351 | 35 J/12 |
| 122 | 352 | 35 K/9 |
| 123 | 353 | 35 K/10 |
| 124 | 354 | 35 K/11 |

MAP SECTION

| S. No. | New Map No. | Map/Quad No. | Allan Spector & Associated Limited, Canada (1982) | S. No. | New Map No. | Map/Quad No. |
|---------------|--------------------|---------------------|--|---------------|--------------------|---------------------|
| 125 | 363 | 34 K/14 | | 138 | 390 | 34 O/2 |
| 126 | 364 | 34 K/15 | | 139 | 391 | 34 O/3 |
| 127 | 365 | 34 K/16 | | 140 | 392 | 34 O/4 |
| 128 | 366 | 34 L/13 | | 141 | 393 | 34 P/1 |
| 129 | 367 | 34 L/14 | | 142 | 394 | 34 P/2 |
| 130 | 368 | 34 L/15 | | 143 | 395 | 34 P/3 |
| 131 | 369 | 34 L/16 | | 144 | 396 | 34 P/4 |
| 132 | 376 | 35 J/15 | | 145 | 397 | 35 M/1 |
| 133 | 377 | 35 J/16 | | 146 | 398 | 35 M/2 |
| 134 | 378 | 35 K/13 | | 147 | 405 | 35 O/1 |
| 135 | 379 | 35 K/14 | | 148 | 406 | 35 O/2 |
| 136 | 380 | 35 K/15 | | 149 | 407 | 35 O/3 |
| 137 | 381 | 35 K/16 | | | | |

COLOMBO PLAN MAPS

SCALE: 1 : 253,440

| S. No. | Colombo Plan (Map No.) | Authors | Year | Title | Remarks |
|---------------|-------------------------------|---------------------------------------|-------------|-----------------------------|----------------|
| 1 | 1 | Hunting Survey Corporation | 1962 | Karachi (35 L. P). | |
| 2 | 2 | | | Badin (40 D. H). | |
| 3 | 3 | | | Jiwani (31 C. G). | |
| 4 | 4 | | | Pasni (31 K. O). | |
| 5 | 5 | | | Omara (35 C. G) | |
| 6 | 6 | | | Thano Bulaa Khan (35 K. O). | |
| 7 | 7 | | | Hyderabad (40 C. G) | |
| 8 | 8 | | | Maher (31 B. F). | |
| 9 | 9 | | | Mand (31 J. N). | |
| 10 | 10 | | | Panjgur (35 B. F). | |
| 11 | 11 | | | Bela (35 J. N). | |
| 12 | 12 | | | Nawabshah (40 B. F). | |
| 13 | 13 | | | Qila Ladgasht (31 I. M). | |
| 14 | 14 | | | Mashkai (35 A. E). | |
| 15 | 15 | | | Khuzdar (35 I. M). | |
| 16 | 16 | | | Khairpur (40 A. E) | |
| 17 | 17 | | | Warechah (30 D. H). | |
| 18 | 18 | | | Nokkundi (30 L. P). | |
| 19 | 19 | | | Kharan-Kalat (34 D. H). | |
| 20 | 20 | | | Surab (34 L. P). | |
| 21 | 21 | | | Robat (30 C. G). | |
| 22 | 22 | | | Patkok (30 K. O). | |
| 23 | 23 | | | Ahmad Wal (34 C. G). | |
| 24 | 24 | | | Sibi (34 K. O). | |
| 25 | 25 | | | Lahri (39 C. G). | |
| 26 | 26 | | | Quetta (34 J. N). | |
| 27 | 27 | | | Loralai (39 B. F). | |
| 28 | 28 | | | Ghaluna (34 I. M). | |
| 29 | 29 | | | Fort Sandeman (39 A. E). | |

GEOLOGICAL MAPS OF BALOCHISTAN (Vol-I)

SCALE: 1 : 50,000

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|-----------------------|---|---------|---|--------------|
| 1 | 10 | 30 G/11, Saindak | R.G. Schmidt, Shahid Noor Khan, Waheeduddin Ahmad | 1962-63 | USGS pp 716 A, Plate 1, 18. Amalaf (Saindak). | |
| 2 | 38 | 40 (30 K/8) | Ghulam Sarwar Alam, Saeed Iqbal | 1978 | Mashki Chah | |
| 3 | 39 | 58 (30 L/5) | Syed Anisuddin Ahmad | 1978 | Alam Reg | |
| 4 | - | 30 K/4 | F. Khan, W. Ahmed | 1981 | Koh-i-Dalil | |
| 5 | 181 | 49 (34 C/12) | Muhammad Amin Khan | 1980 | Aminabad | Out of stock |
| 6 | 218 | 51 (34 G/4) | Irshadul Haq Quraishi, Muhammad Javed Akhtar, Hassan Shaheed | 1981 | Padag | |
| 7 | 162 | 29 (34 C/7) | Syed Tahir Ali Mashhadi, Syed Afzal Ahmad, Ghulam Sarwar Alam | 1983 | Ziarat Pir Sultan | |
| 8 | 180 | 30 (34 C/11) | Ghulam Sarwar Alam, Saeed Iqbal | 1983 | Chagai | |
| 9 | 18 | 38 (30 G/16) | Syed Afzal Ahmad, Ishtiaq Ahmad, Firdous Khan, Malik Abdul Hafeez | 1983 | Borghar | |
| 10 | 50 | 41 (30 K/12) | Abdul Latif Khan, Muhammad Javed Akhtar | 1983 | Pachin Koh. | |
| 11 | 76 | 43 (30 O/4) | Firdous Khan, Saeed Iqbal | 1983 | Manzil Ghar. | |
| 12 | 182 | (34 D/9) | Muhammad Amin Khan, Syed Anisuddin Ahmad, Mahmoodul Hassan | 1983 | Pishuk. | |
| 13 | 111 | 45 (30 O/12) | Syed Anisuddin Ahmad, Asad Jalil, Mahmoodul Hassan | 1983 | Amuri. | |
| 14 | 146 | 65 (34 D/1) | Syed Anisuddin Ahmad | 1983 | Talu | |
| 15 | 164 | 66 (34 D/5) | Muhammad Amin Khan, Syed Anisuddin Ahmad, Mahmoodul Hassan | 1983 | Dalbandin. | |
| 16 | 12 | 55 (30 H/9 & 30 H/10) | Malik Abdul Hafeez, Syed Qammar Abbas, Abdul Latif Khan, Syed Afzal Ahmad | 1983 | Koh-i-Taftan. | |
| 17 | 20 | 71 (30 H/14) | Muhammad Aslam, Muhammad Ayub Khan | 1983 | Tahlab. | |
| 18 | 29 | 72 (30 L/2) | Muhammad Aslam, Muhammad Ayub Khan | 1983 | Lulikdan. | |
| 19 | 19 | 56 (30 H/13) | Syed Anisuddin Ahmad, Irshadul Haq Quraishi | 1983 | Warechah | |
| 20 | 129 | 64 (30 P/13) | Mahmoodul Hassan, Muhammad Anwar, Idrees Khanzada | 1983 | Gat-i-Hamun. | |

◆ MAP SECTION ◆

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|-----------------|---------|
| 21 | 128 | 46 (30 O/16) | Abdul Latif Khan, Syed Afzal Ahmad, Malik Abdul Hafeez, Faiz ur Rehman, Akhtar Mahmood Subhani | 1983 | Malik Siah Koh | |
| 22 | 37 | 73 (30 L/6) | Irshad ul Haq Quraishi, Akhtar Ahmad Kakepoto, Shah Nasir, Syed Anisuddin Ahmad, Malik Abdul Hafeez | 1983 | Ware Pat. | |
| 23 | 41 | 85 (30 L/7) | Irshad ul Haq Quraishi, Akhtar Ahmad Kakepoto, Shah Nasir, Syed Anisuddin Ahmad, Malik Abdul Hafeez | 1983 | Yar Muhammad. | |
| 24 | 77 | 61 (30 P/1) | Jan Muhammad, Abdul Hai Kidwai, Ikramuddin Ali | 1984 | Jawan Billa | |
| 25 | 78 | 76 (30 P/2) | Jan Muhammad, Abdul Hai Kidwai, Ikramuddin Ali | 1984 | Azad | |
| 26 | 79 | 88 (30 P/3) | Jan Muhammad, Abdul Hai Kidwai, Ikramuddin Ali | 1984 | Buhair Damb. | |
| 27 | 96 | 89 (30 P/7) | Jan Muhammad, Abdul Hai Kidwai, Ikramuddin Ali | 1984 | Hamun-i-Mashkel | |
| 28 | 112 | 63 (30 P/9) | Mahmoodul Hassan, Akhtar Ahmad Kakepoto, Shah Nasir, Syed Tahir Ali Mashhadi, Saeed Iqbal | 1984 | Noli Koh. | |
| 29 | 144 | 28 (34 C/3) | Abdul Latif Khan | 1984 | Barab Chah. | |
| 30 | 200 | 50 (34 C/16) | Muhammad Amin Khan, Masood Tariq, Ajeeb Ali Shahani | 1984 | Yadgar. | |
| 31 | 235 | 33 (34 G/7) | Syed Qamar Abbas, Masood Tariq | 1984 | Zahro | |
| 32 | 235 | 52 (34 G/8) | Mahmoodul Hassan, Tariq Shakoor, Shahid Javed | 1984 | Bilao | |
| 33 | 253 | 34 (34 G/11) | Syed Qamar Abbas, Masood Tariq | 1984 | Jangi | |
| 34 | 130 | 79 (30 P/14) | Syed Afzal Ahmad, Wazir Khan, Mohsin Anwar Kazim, Riaz Ahmad, Akhtar Ahmed Kakepoto | 1985 | Yak Mach | |
| 35 | 63 | 75 (30 L/14) | Akhtar Ahmed Kakepoto, Riaz Ahmad, Muhammad Farooq | 1985 | Batil Kaur | |
| 36 | 62 | 60 (30 L/13) | Malik Abdul Hafeez, Muhammad Younas, Zafarullah | 1986 | Gharibabad | |
| 37 | 51 | 59 (30 L/9) | Malik Abdul Hafeez, Muhammad Younas, Zafarullah | 1987 | Nokkundi | |

MAP SECTION

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|--|------|--------------|----------|
| 38 | 147 | 80 (34 D/2) | Syed Afzal Ahmad, Mohsin Anwar Kazim, Riaz Ahmad, Akhtar Ahmad Kakepoto, Wazir Khan | 1989 | Khargoshkan | |
| 39 | 131 | 91 (30 P/15) | Syed Afzal Ahmad, Riaz Ahmad, Akhtar Ahmed Kakepoto, Wazir Khan, Mohsin Anwar Kazim | 1989 | Gau Koh | |
| 40 | 114 | 90 (30 P/11) | Riaz Ahmad, Akhtar Ahmad Kakepoto, Muhammad Farooq | 1989 | Gohar Khan | |
| 41 | 137 | 70 (34 H/5) | Rehanul Haq Siddiqui, Munirul Haq. | 1995 | Banup | IR # 480 |
| 42 | 61 | 42 (30 K/16) | Masood Iqbal, Karam Khan, Muhammad Arshad Rasheed, Tahseenullah Khan, Munirul Haq, Syed Shahid Ghani | 1992 | Koh-i-Sultan | IR # 545 |
| 43 | - | 34 H/9 / 169 | Mohsin Anwar Kazim, Muhammad Younas, Ghulam Mustafa | 2001 | Nauroz | |
| 44 | - | 34 H/10 / 256 | Akhtar Ahmed Kakepoto, Zafarullah, Ajeeb Ali Shahani | 2001 | Sarwan | |
| 45 | - | 30 G/12 / 11 | Muzaffar Sultan, Syed Afzal Ahmad, Riaz Ahmad | 2001 | Amalaf | |
| 46 | - | 30 G/8 | Tahir Karim, Syed Afzal Ahmad, Riaz Ahmad | 2002 | Badgawat Koh | |
| 47 | - | 34 C/4 / 145 | Syed Tahir Ali Mashhadi, Syed Afzal Ahmad | 2002 | Chilghazi | |
| 48 | - | 34 L/11 / 342 | Sarwar Azam, Muhammad Aqleem Pasha, Irshadul Haq Quraishi | 2002 | Gazan | |

GEOLOGICAL MAPS OF BALOCHISTAN (Vol-II)

SCALE: 1 : 50,000

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|--|------|---------|---------|
| 1 | 542 | 118 (39 C/5) | Shahid Hassan Khan | | Kandi | |
| 2 | 575 | 119 (39 C/9) | Shahid Hassan Khan | | Pazha | |
| 3 | 607 | 120 (39 C/13) | Shahid Hassan Khan, Malik Abdul Hafeez, Mohsin Anwar Kazim | | Jatabad | |
| 4 | 348 | 410 (35 K/9) | Syed Abbas Ali Shah, Syed Navyer Ahsan | 1980 | Uthal | |
| 5 | 298 | 251 (35 I/1) | Asad Jaleel, Abdul Rahim Memon, Tamana Husnain | 1985 | Parikoh | |

◆ MAP SECTION ◆

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|------------------------|--|--|------|--|--------------------------|
| 6 | 360 & 361 387 & 388 | 34 N/3, 34 N/4 & 34 J/15, 34 J/16 (81, 82, 96,97) | Mohsin Anwar Kazim, Muhammad Younas, Syed Anwar Hussain | 1987 | Urban Geologic Map of Quetta Valley | |
| 7 | | | | | Gravel and Sand Resources of Quetta Valley | IR # 384 34 N/3 |
| 8 | | | | | Bed Rock Resources of Quetta Valley | |
| 9 | 347 | 386 (35 J/12) | Bhagwan Das, Syed Mukhtar Abbas Zaidi, Muhammad Ali Tagar, Syed Nayyer Ahsan | 1988 | Wayaro | |
| 10 | 346 | 364 (35 J/11) | Muhammad Fariduddin, Muhammad Aqleem Pasha, Syed Nayyer Ahsan, Syed Ghazanfar Abbas | 1988 | Kanrach | |
| 11 | 370 | 254 (35 I/13) | Irshadul Haque Quraishi, Muhammad Javed Akhtar, Akhtar Iqbal Bhutta | 1990 | Goru | |
| 12 | 371 | 273 (35 I/14) | Muhammad Javaid, Akhtar, Irshadul Haq Quraishi, Akhtar Iqbal Bhutta | 1990 | Zidi | |
| 13 | 443 | 84 (34 N/11) | Syed Afzal Ahmad, Malik Sikandar Bakht, Rehanul Haq, Zahid Hussain | 1992 | Ziarat | |
| 14 | 205 | 246 (35 A/13) | Karam Khan, Masood Iqbal | 1995 | Sheikh Sadi | IR # 589 Out of stock |
| 15 | 223 | 247 (35 E/1) | Hassan Shaheed, Zafarullah, Masood Iqbal, Syed Anisuddin Ahmad | 1995 | Shimsi | IR # 624 |
| 16 | 259 | 249 (35 E/9) | Munirul Haq, Riaz Ahmad, Zahid Hussain | 1995 | Shireza | |
| 17 | 278 | 250 (35 E/13) | Syed Anwar Hussain, Muhammad Younas, Irshadul Haq Quraishi | 1995 | Basima | IR # 482 |
| 18 | 82 | 258 (31 M/2) | Karam Khan, Masood Iqbal | 1995 | Dinarchah | IR # 587 |
| 19 | 151 | 262 (35 A/2) | Karam Khan, Masood Iqbal | 1995 | Palantak | IR # 585 |
| 20 | 169 | 263 (35 A/6) | Muhammad Sadiq Malkani, Syed Anwar Hussain, Muhammad Younas, Malik Abdul Hafeez | 1995 | Wazhdad | IR # 583 |
| 21 | 189 | 264 (35 A/10) | Masood Iqbal, Karam Khan | 1995 | Sabzkoh | IR # 591 |
| 22 | 206 | 265 (35 A/14) | Masood Iqbal, Karam Khan | 1995 | Washuk | |
| 23 | 224 | 266 (35 E/2) | Masood Iqbal, Karam Khan, Hassan Shaheed | 1995 | Greshag | IR # 586 |
| 24 | 260 | 268 (35 E/10) | Hassan Shaheed, Ali Muhammad, Syed Anisuddin Ahmad | 1995 | Ziarat Sheikh Pali | IR # 622 |

MAP SECTION

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|------------------------|----------|
| 25 | 279 | 269 (35 E/14) | Naseer Mughal, Zafarullah | 1995 | Greshak | |
| 26 | 242 | 271 (35 E/6) | Hassan Shaheed, Ali Muhammad, Syed Anisuddin Ahmad | 1995 | Ziarat Sheikh Hussain | IR # 623 |
| 27 | 83 | 276 (31 M/3) | Masood Iqbal, Karam Khan | 1995 | Nok Chah | IR # 588 |
| 28 | 100 | 277 (31 M/7) | Riaz Ahmad, Hassan Shaheed, Syed Anisuddin Ahmad | 1995 | Tump | IR # 563 |
| 29 | 118 | 278 (31 M/11) | Malik Abdul Hafeez, Muhammad Sadiq Malkani, Syed Anwar Hussain, Muhammad Younas | 1995 | Zurati | IR # 578 |
| 30 | 135 | 279 (31 M/15) | Muhammad Younas, Muhammad Sadiq Malkani, Syed Anisuddin Ahmad, Ghulam Mustafa | 1995 | Bibi Jan | IR # 579 |
| 31 | 152 | 280 (35 A/3) | Syed Anwar Hussain, Muhammad Younas, Irshadul Haq Quraishi | 1995 | Palantak Post | IR # 580 |
| 32 | 170 | 281 (35 A/7) | Muhammad Younas, Syed Anwar Hussain, Irshadul Haq Quraishi | 1995 | Mazarap | IR # 575 |
| 33 | 188 | 282 (35 A/11) | Muhammad Sadiq Malkani, Asif Nazeer Rana | 1995 | Jauder | IR # 592 |
| 34 | 207 | 283 (35 A/15) | Akhtar Ahmed Kakepoto, Khawar Akbar | 1995 | Zahargan | IR # 621 |
| 35 | 225 | 284 (35 E/3) | Munirul Haq, Syed Shahid Ghani | 1995 | Nag | IR # 568 |
| 36 | 101 | 293 (31 M/8) | Hassan Shaheed, Riaz Ahmad, Syed Anisuddin Ahmad | 1995 | Grawag | IR # 562 |
| 37 | 119 | 294 (31 M/12) | Muhammad Younas, Malik Abdul Hafeez, Muhammad Sadiq Malkani, Syed Anwar Hussain | 1995 | Dastak | IR # 576 |
| 38 | 136 | 295 (31 M/16) | Muhammad Younas, Muhammad Sadiq Malkani, Ghulam Mustafa, Syed Anwar Hussain | 1995 | Waro | IR # 571 |
| 39 | 153 | 296 (35 A/4) | Muhammad Younas, Syed Anwar Hussain, Irshadul Haq Quraishi | 1995 | Wash bud | IR # 574 |
| 40 | 171 | 297 (35 A/8) | Syed Anwar Hussain, Muhammad Younas, Irshadul Haq Quraishi | 1995 | Ziarat Langar Pir Umar | IR # 569 |
| 41 | 189 | 298 (35 A/12) | Ghulam Mustafa, Syed Anwar Hussain, Muhammad Younas, Muhammad Sadiq Malkani | 1995 | Sabzab | IR # 573 |

◆ MAP SECTION ◆

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|----------------|----------|
| 42 | 208 | 299 (35 A/16) | Munirul Haq | 1995 | Chitri | IR # 567 |
| 43 | 226 | 300 (35 E/4) | Riaz Ahmad, Karam Khan | 1995 | Saka Kalat | IR # 564 |
| 44 | 244 | 300 (35 E/8) | Karam Khan, Riaz Ahmad | 1995 | Koh-i-Patandar | |
| 45 | 262 | 302 (35 E/12) | Mushtaq Ahmed Chaudry, Munirul Haq, Syed Shah id Ghani, Ghulam Mustafa, Riaz Ahmad | 1995 | Mashkai | IR # 610 |
| 46 | 281 | 303 (35 E/16) | Mushtaq Ahmad Chaudhry, Syed Shahid Ghani, Tehseenullah Khan, Munirul Haq | 1995 | Gabbar | IR # 590 |
| 47 | 120 | 310 (31 N/9) | Munirul Haq, Mushtaq Ahmad Chaudhry | 1995 | Ghar | IR #626 |
| 48 | 137 | 311 (31 N/13) | Muhammad Younas, Syed Anwar Hussain, Malik Abdul Hafeez, Muhammad Sadiq Malkani | 1995 | Kalag | IR # 582 |
| 49 | 154 | 312 (35 B/1) | Muhammad Sadiq Malkani, Ghulam Mustafa, Syed Anwar Hussain, Muhammad Younas | 1995 | Panjgur | IR # 584 |
| 50 | 172 | 313 (35 B/5) | Masood Iqbal, Hassan Shaheed, Munirul Haq | 1995 | Gwargo | IR # 593 |
| 51 | 88 | 372 (31 N/4) | Syed Anwar Hussain, Muhammad Younas, Malik Abdul Hafeez, Muhammad Sadiq Malkani | 1995 | Turbat | IR # 581 |
| 52 | 89 | 396 (31 O/1) | Malik Abdul Hafeez, Muhammad Younas, Mohsin Anwar Kazim | 1995 | Kohi Murad | IR # 625 |
| 53 | - | 280 (35 E/15) | Masood Iqbal, Karam Khan | 2001 | Bahri | |
| 54 | - | 416 (34 O/6) | Syed Afzal Ahmad, Mohsin Anwar Kazim, Intizar Hussain Khan, Muhammad Ahmad | 2001 | Bibi Nani | |
| 55 | - | 337 (34 K/10) | Muhammad Sadiq Malkani, Masood Tariq, Ali Muhammad, Syed Anisuddin Ahmad | 2001 | Shirinab | IR # 543 |
| 56 | - | 238 (34 H/6) | Akhtar Ahmed Kakepoto, Muhammad Farooq | 2001 | Kharan | |
| 57 | - | 377 (35 J/16) | Sarwar Azam, Muhammad Ali Tariq, Akhtar Mahmood Subhani, Nayyar Ahsan | 2002 | Duddar | |
| 58 | - | 319 (34 L/7) | Muhammad Javed Akhtar, Muhammad Ali Tariq, Irshadul Haq Quraishi | 2002 | Anjira | IR # 421 |
| 59 | - | 307 (35 K/2) | Saleem Rasheed, Mukhtar Abbas Zaidi | 2002 | Phor Nai | |

MAP SECTION

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|--------------|----------|
| 60 | - | 308 (35 K/3) | Saleem Rasheed, Mukhtar Abbas Zaidi | 2002 | Sumar Bandar | |
| 61 | - | 257 (34 H/11) | Akhtar Ahmad Kakepoto, Zafarullah | 2006 | Garruk | |
| 62 | - | 508 (39 B/3) | Ghulam Sarwar Lashari, Muhammad Naseer Mughal, Shahid Hassan Khan | 2006 | Pui | |
| 63 | - | 277 (34 H/16) | Muhammad Younas, Syed Anwar Hussain, Hassan Shaheed, Zafarullah | 2006 | Drug | IR # 570 |
| 64 | - | 328 (35 J/8) | Syed Nayyer Ahsan, Bhagwan Das, Ghulam Sarwar Lashari | 2007 | Bela | |
| 65 | - | 441 (34 N/9) | Altaf Ali Khan, Syed Afzal Ahmad | 2007 | Muslim Bagh | IR # 752 |

GEOLOGICAL MAPS OF KHYBER PAKHTUNKHWA (Vol-III)

SCALE: 1 : 50,000

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|--------------------------------------|---|------|---|----------|
| 1 | 1109 | USGS PP, 716C Plate 3, 94, (42 B/12) | Terry Wolf Offield, James.A. Calkins, Asad Ali | 1964 | Reconnaissance Geological Map and Cross Section of Tarbela area, Pakistan | |
| 2 | 775 | 170 (39 I/2) | Said Rahim Khan, Tahir Karim | 1989 | Dranzinda | |
| 3 | 933 | 90 (38 N/8) | Ashraf Khan, Muhammad Aslam, Rab Nawaz Khan | 1995 | Kamrud | |
| 4 | 1072 | 58 (43 B/5) | Abdul Ghaffar Khan Affridi | 1995 | Charbagh | |
| 5 | 1106 | 59 (43 B/9) | Abdul Ghaffar Khan Affridi, Saeed Iqbal, Sadin Khan | 1995 | Shangla | |
| 6 | 1038 | 70 (43 B/2) | M. S. Khan, Hazrat Shah, Ghulam Saeed | 1995 | Thana | IR # 476 |
| 7 | 1073 | 71 (43 B/6) | Rab Nawaz Khan, Saeed Iqbal, Sikander Khan, Muhammad Aslam | 1995 | Murghzar | |
| 8 | 1107 | 72 (43 B/10) | Ahmed Hussain, J. A. Diepetro, Ihteshamul Haq | 1995 | Choga | |
| 9 | 1109 | 94 (43 B/12) | Said Rahim Khan, Ghulam Saeed, Firdous Khan | 1984 | Tarbela | |
| 10 | 1142 | 95 (43 B/12) | Said Rahim Khan, Kevin Pogue, Ahmed Hussain, Ghulam Saeed, F. Babar | 1995 | Topi | |
| 11 | 1005 | 107 (38 O/13) | Hussain | 1995 | Cherat | |
| 12 | 970 | 117, (38 O/10) | Muhammad Sabir Hayat Arbab, Muhammad Raza Shah | 1995 | Kohat | |

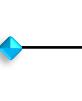
◆ MAP SECTION ◆

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|-------------|---------|
| 13 | 1006 | 118 (38 O/14) | Ahmed Hussain, Ahmed Ali Turi, Ihteshamul Haq | 1995 | Mazari Tang | |
| 14 | 936 | 125 (38 O/7) | Faizur Rahman, Ashraf Khan, Wahabuddin | 1995 | Lachi | |
| 15 | - | 43 F/3 /96 | Waliullah, M. Ashraf, Abdul Ghaffar Khan Affridi | 2006 | Mansehra | |
| 16 | - | 38 N/2 /66 | Muhammad Sadin, Muhammad Ashraf | 2006 | Lakarai | |
| 17 | - | 38 N/5 /54 | Muhammad Sadin, Abdul Latif | 2006 | Bajaur | |
| 18 | - | 38 M/12 /44 | Ihteshamul Haq, Hazrat Shah, Shah Nasir | 2006 | Shahikot | |
| 19 | - | 38 M/10 /25 | Ihteshamul Haq, Abdul Ghaffar Khan Affridi, Muhammad Hafeez Paracha | 2006 | Bumboret | |

GEOLOGICAL MAPS OF PUNJAB (Vol-IV)

SCALE: 1 : 50,000

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|----------------------------|---------------------|--|------|----------------|----------|
| 1 | 937,974, 1009 & 1010 | 38 P/9, 10, 13 & 14 | E. R. Gee | 1980 | Salt Range | |
| 2 | 1010 & 1011 | 38 P/14 & 15 | E. R. Gee | 1980 | Salt Range | |
| 3 | 1046, 1047, 1081 & 1082 | 43 D/2, 3,6 & 7 | E. R. Gee | 1981 | Salt Range | |
| 4 | 1080, 1081, 1114 & 1115 | 43 D/5, 6, 9 & 10 | E. R. Gee | 1981 | Salt Range | |
| 5 | 1147,1148, 1179 & 1180 | 43 D/13,14 & H/1,2 | E. R. Gee | 1981 | Salt Range | |
| 6 | 1179, 1180 1210 & 1211 | 43 H/1, 2,5 & 6 | E. R. Gee | 1981 | Salt Range | IR # 878 |
| 7 | 1176 | 9 (43 G/2) | Mian Muhammad Naeem, Muhammad Akram Bhatti | 1985 | Islamabad | |
| 8 | 7 (43 C/10) | 7 (43 C/10) | Muhammad Akram Bhatti, Muhammad Saleem Bajwa, Allah Baksh Kausar, Altaf Ali Khan | 1985 | Fatah Jhang | |
| 9 | 1112 | 15 (43 C/11) | Muhammad Akram Bhatti, Muhammad Saleem Bajwa, Allah Baksh Kausar, Abdul Latif Khan | 1985 | Kot Fateh Khan | |
| 10 | 1110 | 2 (43 C/9) | Ghulam Saeed, Walliullah, Abdul Latif, Ahmad Hussain, Hylland M. D | 1995 | Dharchitti | |
| 11 | 1007 | (38 O/15) | Ashraf Khan, Faizur Rehman Muhammad Raza Shah | 1995 | Khushalgarh | |
| 12 | 781 | 208 (39 J/4) | Altaf Ali Khan, Jamshed Ali Gillani, Muhammad Akhtar | 1986 | Gulu Sheikh | |

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| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|-------------|----------|
| 13 | 815 | 157 (39 J/5) | Muhammad Akram Bhatti, Muhammad Akhter, Mansoorul Huda Abbas | 1986 | Dhodhak | |
| 14 | 816 | 176 (39 J/6) | Altaf Ali Khan, Muhammad Akhter, Mansoorul Huda Abbas | 1986 | Bharti | |
| 15 | 817 | 193 (39 J/7) | Ghulam Mujtaba, Muhammad Akhter, Khalid Mahmood Khan, Muhammad Afaq Khan | 1986 | Zindapir | |
| 16 | 818 | 209 (39 J/8) | Muhammad Saleem Bajwa, Muhammad Akhter, Tasawar Ali Khan | 1986 | Dalana | |
| 17 | 847 | 177 (39 J/10) | Mahmoodul Hassan, Muhammad Iqbal Sheikh, Riaz Ahmad Rana | 1986 | Taunsa | IR # 607 |
| 18 | 1207 | 10 (43 G/6) | Allah Baksh Kauser, Ghulam Mujtaba | 1987 | Karor | |
| 19 | - | 39 K/3 /268 | Mahmoodul Hassan, Muhammad Anwar, Tasawar Ali Khan | 1998 | Fatehpur | |
| 20 | - | 39 K/2 / 254 | Mahmoodul Hassan, Muhammad Anwar, Tasawar Ali Khan | 1998 | Harrand | |
| 21 | - | 39 I/8 /814 | Muhammad Akram Bhatti, Syed Hamid Hussain | 2001 | Litra | |
| 22 | - | 39 J/2 / 779 | Muhammad Iqbal Sheikh, Riaz Ahmad Rana, Mahmoodul Hassan | 2001 | Sarati | IR # 611 |
| 23 | - | 43 D/1 / 1045 | Muhammad Iqbal Sheikh, Khalid Pervaiz | 2001 | Mial | |
| 24 | - | 43 G/5 / 1206 | Muhammad Kaleem Akhtar, Syed Qarnar Abbas, Altaf Ali Khan | 2001 | Murree | |
| 25 | - | 39 J/12 / 849 | Muhammad Iqbal Sheikh, Muhammad Afaq Khan & Syed Qamar Abbas | 2001 | D. G. Khan | |
| 26 | - | 39 J/11 / 848 | Muhammad Iqbal Sheikh, Mahmoodul Hassan | 2001 | Shadan Lund | IR # 612 |
| 27 | - | 39 J/3 / 780 | Muhammad Kaleem Akhtar, Syed Qamar Abbas, Rasheed Ahmad Chaudhrv | 2001 | Hinglun | |
| 28 | - | 39 J/1 /778 | Altaf Ali Khan, Syed Qamar Abbas, Muhammad Kaleem Akhter | 2001 | Drug | |
| 29 | - | 43 G/8 / 1209 | Muhammad Akhtar, Waheeduddin, Ahmad, Mujeebur Rehman Cheema, Sved Qamar Raza | 2002 | Sohawa | |

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| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|---------------|----------|
| 30 | - | 43 C/8 /1079 | Muhammad Akhtar, Muhammad Akram Bhatti, Muhammad Iqbal Sheikh | 2002 | Pindi Gheb | IR # 177 |
| 31 | - | 43 G/4 / 1178 | Muhammad Akhtar, Muhammad Saleem Bajwa | 2002 | Jatli | IR # 162 |
| 32 | - | 43 C/4 / 1044 | Muhammad Akram Bhatti, Iqbal H. Hyderi | 2002 | Tut-Tamman | |
| 33 | - | 38 P/5 / 779 | Muhammad Iqbal Sheikh, Khalid Pervaiz | 2002 | Kamar Mashani | |
| 34 | - | 39 G/6 / 673 | Mustaq Ahmed Chaudhry, Muhammad Sadiq Malkani | 2002 | Vitakri | IR # 733 |
| 35 | - | 43 G/3 / 1177 | Muhammad Akhtar, Muhammad Saleem Bajwa | 2006 | Mandra | |
| 36 | - | 43 C/3 / 104 | Muhammad Kaleem Akhtar, Iqbal Muhammad Sheikh, Intizar Hussain | 2007 | Jand | IR # 185 |
| 37 | - | 43 G/10 / 22 | Muhammad Ahmad, Syed Qamar Abbas, Muhammad Akram Bhatti, A. Hussain, Walliullah. | 2004 | Palandri | |
| 38 | - | 43 G/11 / 25 | S. S. Akhter, uhammad Ahmad, Ahmad Hussain, Muhammad Akram Bhatti | 2004 | Dadial | |

GEOLOGICAL MAPS OF SINDH (Vol-V)

SCALE: 1 : 50,000

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|-------------------------------|---|------|---|-----------------|
| 1 | 526 & 527 | 40 C/1, 2 (104,116) | Waheeduddin Ahmad, Muhammad Ishaque Durrazai, Farhat Hussain, Akhtar Mahmood Subhani, Asad Jalil | 1984 | Isopach Map of the Lailian Coal Seams, Lakhra, Sindh, Pakistan. | |
| 2 | 529 & 520 | 40 C/4 & 40 D/1 (146, 164) | Waheeduddin Ahmad, Farhat Hussain, Iqbaj Ahmed Khan | 1984 | Geology and Subsurface Details of Sonda-Thatta coal Field, Sindh, Pakistan. | |
| 3 | 462 | 114 (35 O/10) | Muhammad Amin Khan | 1984 | Dumbar. | |
| 4 | 494 | 115 (35 O/14) | Muhammad Amin Khan, Muhammad Ishaque Ghaznavi | 1984 | Thano Arab. | |
| 5 | 460 | 91, (35 N/12) | Irshadul Haq Quraishi | 1984 | Bandni. | IR # 383 |
| 6 | - | 40 C/1 &2 (104, 116) | Rafique Ahmed Khan, Shahid Noor Khan, Muhammad Jafer Qureshi | 1989 | Structure Contour Map on top of Lailian Coal Seam, Lakhra, Sindh. | Out of stock |

MAP SECTION

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|--|------|--|----------------|
| 7 | - | - | Farhat Hussain, Siddique Khan, Iqbal Ahmed Khan | 1989 | Geology, Isopach and reserves Distribution Map of Sonda, Thatta, Jherruk - East of Indus Coal Fields, Sindh. | Out of stock |
| 8 | - | 35 O/12 | Irshadul Haq Quraishi, Asad Jalil, Arshad Mahmood Bhutta | 2001 | Goth Taj Muhammad | IR # 676 & 889 |
| 9 | - | 35 N/11 /459 | Irshadul Haque Qurashi, Arshad Mahmood Bhutta, Sarwar Azam, Muhammad Idrees Khanzada | 2001 | Manchhar Lake | |
| 10 | - | 35 N/7 /429 | Muhammad Idrees Khanzada, Syed Shujat Hussain, Muhammad Riaz Khan, Irshadul Haque Quraishi | 2001 | Tando Rahim Khan | |
| 11 | - | 35 N/5 /427 | Irshadul Haq Quraishi, Akhtar Mahmood Bhutta, Muhammad Idrees Khanzada | 2001 | Gajnai | |
| 12 | - | 35 N/1 /401 | Muhammad Ali Tariq, Muhammad Siddique Khan, Irshadul Haque Quraishi, Muhammad Javed Akhtar | 2001 | Gorag | |
| 13 | - | 35 N/6 /428 | Muhammad Idrees Khanzada, Irshadul Haq Quraishi | 2002 | Nali Nai | |

GEOLOGICAL MAPS OF JAMMU & KASHMIR, NORTHERN AREAS (Vol-VI)

SCALE: 1 : 50,000

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|-----------|---------|
| 1 | - | 43 F/11 /14 | Saeed Iqbal, Shah Nasir, Ahmed Hussain | 2004 | Nauseri | |
| 2 | - | 43 F/10, / 88 | Terry WolfOffield, James A. Calkins, Abdullah, S.K.M. Revalidated by Shah Nasir, Abdul Latif, Ahmed Hussain | 2004 | Manandri | |
| 3 | - | 43 G/15, /26 | Sardar Saeed Akhtar, Muhammad Ahmad, Ahmed Hussain | 2004 | Gulpur | |
| 4 | - | 43 F/16, / 17 | Muhammad Anwar Chaudhry, Akhter Iqbal Bhutta, Ahmed Hussain | 2004 | Chakothi | |
| 5 | - | 43 K/3, / 27 | Syed Hamid Hussain, Ihteshamul Haq, Ahmed Hussain | 2004 | Khuiratta | |

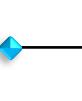
MAP SECTION

| S. No. | New Map No. | Old Map/Quad No. | Authors | Year | Title | Remarks |
|--------|-------------|------------------|---|------|------------------|----------------|
| 6 | - | 43 F/7, / 13 | James. Calkins, & A. S. A. Matin, Re-interpreted by Hussain, Ahmed Hussain, Muhammad Naseer Mughal, Ihteshamul Haq, Abdul Latif | 2004 | Garhi Habibullah | |
| 7 | - | 43 F/14, / 9 | European Community & AKMIDC, Revalidated by, Shah Nasir, Abdul Latif, Muhammad Aslam | 2004 | Kundalshai | |
| 8 | - | 43 G/13, / 20 | Sardar Saeed Akhtar, Ghulam Saeed, Ahmed Hussain | 2004 | Rawalakot | |
| 9 | - | 43 K/1, / 21 | Syed Sadaqat Ali Jaffri, Muhammad Sadin | 2004 | Kahuta | IR # 353 |
| 10 | - | F/15, / 15 | Muhammad Naseer Mughal, R. Khan, Ahmed Hussain | 2004 | Reshian | |
| 11 | - | 43 G/14, / 23 | Mohammad Naseer Mughal, R. Khan, Ahmed Hussain | 2004 | Kotli | |
| 12 | - | 43 A/4 / 46 | Ihteshamul Haq, Shah Nasir, Hazrat Shah | 2006 | Nashnamal | |
| 13 | - | 43 M/11 / 1423 | Syed Hamid Hussain, Naseer Ali Khan | 2007 | Skardu | IR # 290 & 693 |
| 14 | - | 43 E/14 / 1257 | Syed Hamid Hussain, Naseer Ali Khan | 2007 | Khanbari Gah | |

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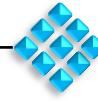
| S. No. | Map No. | Authors | Year | Title | Remarks |
|--------|--|---|------|--------------------|---------|
| 1 | 38 N/13 Series Vol. 3 Map No. 56 | Ihteshamulhaq, Muhammad Awais Khan, Yousuf Haroon | 2015 | Timargarha | IR # 81 |
| 2 | 38 N/9 Series Vol. 3 Map No. 55 | Ihteshamulhaq, Abdul Latif, Khalid Khan | 2015 | Samarbag | IR # 79 |
| 3 | 43 B/13 Series Vol. 3 Map No.60 | Muhammad Sadin Khan, Shah Nasir, Ihteshamulhaq | 2001 | Besham | |
| 4 | 38 M/11 Series Vol. 3 Map No.35 | Ihteshamulhaq, Muhammad Ayub Khan Dawar, Abdul Ghaffar Khan Afridi, Muhammad Hafeez Paracha | 2006 | Mirkhani | |
| 5 | 38 N/14 Series Vol. 3 Map No. 69 | Rab Nawaz Khan, Muhammad Sadin, Muhammad Ashraf | 2006 | Dargai | |
| 6 | 43 B/8 Series Vol. 3 Map No. 94 | Ahmed Hussain, Kevin R. Pogui, Said Raheem and Muhammad Hafeez Paracha | 2004 | Sawabi | |
| 7 | 38 M/13 Series Vol.3 Map No.25 | Ihteshamulhaq, Abdul Latif, Naveed Anjum, Muhammad Awais Khan, Yousuf Hussain | 2015 | Chitral Quadrangle | |

 MAP SECTION 

| S. No. | Map No. | Authors | Year | Title | Remarks |
|--------|---|---|---------|----------------------|----------|
| 8 | 38 N/10 Series Vol. 3 Map No. 68 | Muhammad Sadin Khan, Muhammad Raza Shah | 2004 | Agra Quadrangle | |
| 9 | 43 B/4 Series Vol. 3 Map No. 93 | Ahmed Hussain, Kevin R. Pogui, Said Raheem | 2004 | Noshera Quadrangle | |
| 10 | 43 A/3 Series Vol. III Map No.37 | Shah Naseer, Ihtashamulhaq | 2001 | Sheringal Quadrangle | |
| 11 | 38 P/7 Map Series No. 940 | Muhammad Anwar, Ghulam Sabir, Mohasin Munir, Muhammad Naeem | 2007 | Chashma Kundian | IR # 854 |
| 12 | 38 K/16 Series Vol. 3 Map No. 131 | Ashraf Khan, Faizur rehman, Muhammad Hafeez Paracha | 2004 | Bahadur Khel | |
| 13 | 43 F/1 Series Vol. 3 Map No. 62 | Abdul Ghafar Khan Afridi, Muhammad Ayub Khan Dawar, Tahir Karim, Wahabuddin | 2005 | Bana Allai | |
| 14 | 43 F/15 Series Vol-6 Map No. 15 | M Naseer Mughal, Tahir Shakor, Ahmed Hussain | 2004 | Reshien | |
| 15 | 43 F/12 Series Vol-6 Map No. 16 | Sardar Saeed Akhtar, Waliullah, Ahmed Hussain, Raja Muhammad Naseem Khan | 2004 | Dhir Kot | |
| 16 | 43 B/3 Series Vol. 3 Map No. 81 | Ghulam Saeed, Ahmed Hussain, Muhammad Ayub Khan, J. A. Dipietro | 2004 | Katalang Quadrangle | |
| 17 | 38 M/14 Series Vol. 3 Map No. 29 | Ihteshamulhaq, Muhammad Hafeez Paracha | 2004 | Durash | |
| 18 | 43 A/7 Series Vol. 3 Map No. 38 | Muhammad Ayub Khan Dawar, Ihteshamulhaq, Abdul Ghafar Khan Afridi | 2004 | Utror | |
| 19 | 38 M/15 Series Vol. 3 Map No. 36 | Ihteshamulhaq, Wahabuddin | 2004 | Lowarai | |
| 20 | 43 A/11 Series Vol. 3 Map No. 39 | Abdul Ghafar Khan Afridi, Muhammad Ayub Khan Dawar and Abdul Latif | 2004 | Kalam Quadrangle | |
| 21 | 43 G/9 Series Vol. 6 Map No. 19 | Waliullah, Shah Nasir, Ahmed Hussain, Sardar Syed Akhtar | 2004 | Thorar | |
| 22 | 35 J/7 | Mehboob Akhtar Subhani | 1978 | Kanar Quadrangle | |
| 23 | 35 N/16 Map No.8 | M. M. Abdullah | 1980 | Amri Bara Quadrangle | |
| 24 | 38 P/6 Map Series No.939 | Muhammad Anwar, Ghulam Sabir Khan Afridi, Mohsin Munir, Muhammad Naeem | 2007 | Kundal Kafir Kot | |
| 25 | 30 K/4 Map No. 6 | Firdous Khan, Waheeduddin Ahmed | 1978-79 | Koh-I-Dalil | |

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| S. No. | Map No. | Authors | Year | Title | Remarks |
|--------|----------------------------------|--|---------|---|-----------------------|
| 26 | 43 E/7 | Hafeez ur rehman, Tehsinullah Khan, Fida Ali, Allah bux Kausar, Muhammad Latif, Simon Sadiq | 2010 | Lutar | IR # 508 |
| 27 | 34 L/3 | Arshad M. Bhutta, A. R. Memon, and G. Mustafa | 2002 | Giddar | IR # 933 |
| 28 | 43 C/7 | Altaf Ali Khan, S Habib Abbas, Chaudhary Asghar Ali | 2006 | Khaur | |
| 29 | 34 N/4 (97) | Reinemund, J. A., Khan, M. Y., Hussain, F., and . Usmani A.H. | 1985 | Daghari | |
| 30 | 39 B/16 (104-A) | Akhram Bhatti, Jan Muhammad Mengal, Muhammad Ahmed, Mustafa Kamal Pasha Compiled by: S. Ghazanfar Abbas and Shahid Noor Khan | 1984 | Anambar | |
| 31 | 39 B/16 (104-B) | Akhram Bhatti, Jan Muhammad Mengal, Muhammad Ahmed, Mustafa Kamal Pasha Compiled by: S. Ghazanfar Abbas and Shahid Noor Khan | 1984 | Gumbaz | |
| 32 | 39 B/12 (103-A) | Muzzaffar Sultan, Irfan-ul-haq, Intezar Hussain Khan Compiled by: S. Ghazanfar Abbas and Shahid Noor Khan | 1984 | Duki | IR # 484 |
| 33 | 39 B/12 (103-B) | Muzzaffar Sultan, Irfan-ul-haq, Intezar Hussain Khan Compiled by: S. Ghazanfar Abbas and Shahid Noor Khan | 1984 | Yaru Shahr | IR # 620 |
| 34 | 39 B/8 (102-A) | Shahid Hussan Khan, Muzzaffar Sultan, Irfan ul haq, Intezar Hussain Khan Compiled by: S. Ghazanfar Abbas and Shahid Noor Khan | 1984 | Thingiani | |
| 35 | 39 B/8 (102-B) | Shahid Hussan Khan, Muzzaffar Sultan, Irfan ul haq, Intezar Hussain Khan Compiled by: S. Ghazanfar Abbas and Shahid Noor Khan | 1984 | Khara Shang | IR # 463, 517 and 852 |
| 36 | 39 K/1 Series Vol. 4 Map No. 782 | Muhammad Akram Bhatti, Chuadrary Rasheed Ahmed, Hamid Hussain, Shahid Javed | 2001 | Choti Bala Quardangle D.G. Khan | |
| 37 | PP 716-C Plate 5 | Calkins, J.A., Matin A.S.A., | 1962-64 | Geological map of the Kakul, Galdanian area, Hazara District. | |
| 38 | 39 I PP 716-B Plate 3 | W. R. Hemphill, A. H. Kidawai, and Sibghautullah | 1960-62 | Geological map and section of the D.I Khan, Pakistan | |
| 39 | 38 K PP 716-F Plate 1 | Charles R. Meissner, U.S. Muzaffar Hussain, M.A. Rashid, and U. B. Sethi | 1964-65 | Reconnaissances geological map and cross section of Parachinar quardangle | |



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| S. No. | Map No. | Authors | Year | Title | Remarks |
|--------|--------------------------------------|--|------|-----------------|---------|
| 40 | 39 J | Mehboob ul hassan, Akram Bhatti, Arshad M Bhutta, S. Qamar Abbas | 2002 | Dera Ghazi Khan | |
| 41 | 39 K | Mehboob ul hassan, Akram Bhatti, Arshad M Bhutta, S. Qamar Abbas | 2002 | Rajanpur | |
| 42 | 38 P/16 Series Vol.3 Map No.20 | Ihteshamulhaq, Muhammad Awais Khan, Muhammad Ashraf | 2016 | Shoghor | |

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