

**LIST OF PUBLICATION OF NORTHERN AREAS**  
**DIRECTORATE GEOLOGICAL SURVEY OF PAKISTAN**  
**ISLAMABAD**

**Engineering Geological Reports**

1. Pattan earthquake of December 28, 1974, and reconstruction programme in the affected areas of Swat, Hazara and Kohistan district, North West Frontier Province, Pakistan. Geological Survey of Pakistan. 1980 (Rec., Vol 47).

Kanwar Sabir Ali Khan

2. Developments of cracks in mountain around Sermik village Skardu sub-division, Northern Areas, Pakistan. 1984 (Inf. Rel. 223)

Arshad Fayaz, Mohammad Latif

3. Landslide evaluation and stabilization between Gilgit and Thakot along Karakoram Highway. 1985 (Inf. Rel. 253)

Arshad Fayaz, Mohammad Latif, Kanwar Sabir Ali Khan

4. Mud flows and avalanches along the Karakoram Highway. 1986 (Inf. Rel. 247)

Arshad Fayaz, Kanwar Sabir Ali Khan, Mohammad Latif

5. Study of landslide problems in rural and urban areas of Murree Tehsil. 1986 (Inf. Rel. 270)

Arshad Fayaz, Kanwar Sabir Ali Khan, Mohammad Latif

6. Rock and debris slides between Khunjerab pass and Gilgit along the Karakoram Highway. 1986 (Inf. Rel 272)

Kanwar Sabir Ali Khan, Arshad Fayaz,  
Mohammad Latif, Amir Khan Wazir

7. Landslides investigation at the site of Cereal Diseases Research Institute, Pakistan. Agricultural Research Council Murree. 1986 (Inf. Rel 271)

Kanwar Sabir Ali Khan, Ibrar ul Hasan Khan,  
M. Zaheer u din babar, Tariq Shakoor

8. Geologic appraisal of Malam Jabba Ski-Lift and tourist resort site, Swat, Pakistan. Geological Survey of Pakistan. 1987. (Inf Rel. No. 281)

Kanwar Sabir Ali Khan, Arshad Fayaz

9. Study of landslide problem along the Rawalpindi – Murree – Kohala Road, Kashmir Highway. 1987 (Inf. Rel. 279).

Kanwar Sabir Ali Khan, Arshad Fayaz,  
Mohammad Latif, Saeed-u- Zafar Khan

10. Description and evaluation of the soil material along the Margala and Faisal Avenue near the Faisal Mosque, Islamabad. 1987 (Inf. Rel. 319)

Kanwar Sabir Ali Khan, Arshad Fayaz, Firdous Khan

11. Road alignment studies along Gilgit Gupis road, Northern Areas, Pakistan. 1987 (Inf. Rel. 292)

Mohammad Latif, Arshad Fayaz

12. Geology and slope stability studies along Gilgit Skardu road, Northern Area, Pakistan. 1988 (Inf. Rel. 379)

Arshad Fayaz, Mohammad Latif, Kanwar Sabir Ali Khan

13. Rocks excavation problems along Gilgit – Gupis road, Northern Areas, Pakistan. 1988 (Inf. Rel. 364)

Arshad Fayaz, Mohammad Latif

14. Study of cracks near the village Bara, Khaplu sub-division, district Baltistan, Northern Areas Pakistan. 1988 (Inf. Rel. 363)

Arshad Fayaz, Kanwar Sabir Ali Khan

15. A short note on movement of Dih Glacier causing blockage of the Karakoram Highway. 1988 (Inf. Rel. 329)

Arshad Fayaz

16. Development of cracks in village Danser, Kharmong sub-division, Baltistan. 1988 (Inf. Rel No. 276)

Kanwar Sabir Ali Khan, Arshad Fayaz,  
Mohammad Latif, Saeed-u- Zafar Khan

17. Road alignment studies along the Rakhiot-Astor road, District Diamir, Northern Areas, Pakistan. Geological survey of Pakistan. 1988 (Inf. Rel. No. 378)

Kanwar Sabir Ali Khan, Arshad Fayaz, Mohammad Latif

18. Construction of gravity irrigation system for Northang Maidan on Indus River, Skardu, Baltistan. 1988 (Inf. Rel No. 365)

Kanwar Sabir Ali Khan, Arshad Fayaz, Ibrar ul Hasan Khan

19. Engineering geology and geohydrological studies in and around Kalmat Khor area, Gwadar district, Balochistan. Geological survey of Pakistan. 1988 (Inf Rel. No. 401)

Kanwar Sabir Ali Khan, Arshad Fayaz, Javed Akhtar

20. River bed erosion problem in Hunza, Ishkuman and Yasin River valleys, Gilgit and Ghizar districts, Northern Areas, Pakistan. 1990 (Inf. Rel. 475)

Kanwar Sabir Ali Khan, Mohammad Latif,  
Javed Akhtar, Arshad Fayaz

21. Engineering geology appraisal of ground cracks and zonation of areas for future construction in Maripur area, Karachi 1991 (Inf. Rel 495)

Kanwar Sabir Ali Khan, Mohammad Latif, Arshad Fayaz

22. Geotechnical report on proposals for the future planning of Astore valley road, Northern Areas, Pakistan. 1997 (Inf. Rel. 642)

Arshad Fayaz, Hamid Hussain

23. Reconnaissance survey of slope stability and river bed erosion control along Naltar valley road, Northern Areas, Pakistan. 1998 (Inf. Rel. 674)

Arshad Fayaz, Hamid Hussain, Kanwar Sabir Ali Khan

24. Engineering geological suggestions for improvements of road links in and around Chilas district Diamir, Northern Areas, Pakistan. 1998 (Inf. Rel. 673)

Kanwar Sabir Ali Khan, Arshad Fayaz,  
Mohammad Latif, Naseer Ali Khan

25. Geomorphological mapping and engineering geological appraisal of the road links of Skardu-Shigar area, Northern Areas, Pakistan. 1999(Inf.Rel. 693)

Kanwar Sabir Ali Khan, Mohammad Latif,  
Javed Akhtar, Arshad Fayaz

26. Engineering geological studies for road alignment and slope stability along Gupis – Shandur Pass road, Ghizar valley, Northern Areas, Pakistan. 1999 (Inf. Rel. 682)  
Arshad Fayaz, Hamid Hussain
27. Site appraisal of the proposed Rawalpindi Medical complex and hospital, Takht Pari Forest Land, Rawalpindi. 2000 (Inf. Rel. 713)  
Kanwar Sabir Ali Khan, Mohammad Latif, Arshad Fayaz
28. Landslide and their control along the Karakoram Highway. 2001(In Press)  
Kanwar Sabir Ali Khan, Arshad Fayaz,  
Hamid Hussain, Mohammad Latif
29. Limestone Quarry sites around Islamabad and Kohat. 2002 (Inf. Rel. 721)  
Mohammad Latif, Hamid Hussain

#### **Ground Water Investigation**

30. Ground water investigation in Pearl valley, Rawala Kot, Azad Kashmir. 2002 GSP (Record, Vol. 113).  
Kanwar Sabir Ali Khan, M. Hafiz Butt,  
Mohammad Latif, S. Qumar Abas, Asmatullah, M. Saeed
31. Hydrogeological studies of the Pearl valley Rawalakot, Azad Kashmir. 2004. GSP. (Inf. Rel No. 761)  
Mohammad Latif, S.Qumar Abas, Masud Tariq,  
Sajid Hussain Shah, Firdous Khan
32. Ground water investigations in Palandari and Thorar area, Azad Jammu Kashmir (Under Publication)  
Muhammad Latif, Hamid Hussain,  
Kanwar Sabir Ali Khan, Asmatullah
33. Hydrogeological studies of Nandna Kas Basin, quadrangle No. 43 C/10, district Attock, Pakistan. (Under Publication)

T.A. Shuja, Malik Skinder Bakht, Masud Tariq

**Geological Survey Reports**

34. Geology and geochemistry of part of Hunza area, Gilgit Agency 1980 (Inf. Rel. 115)  
Sajid Hussain Shah, Sikandar Khan
35. Geology and mineral investigation of Parri quadrangle (43 1/9), Gilgit district, Northern Areas, Pakistan. 1984 (Inf. Rel. 224)  
Sajid Hussain Shah, Saeed Shah
36. Geology and pegmatite of the Gilgit, Jaglot, Hanuchal area, Gilgit district, Northern Areas, Pakistan. 1986 (Inf. Rel. 273)  
Sajid Hussain Shah, Naseer Ali Khan, Mohammad Latif
37. Geology and mineral investigation of Skardu quadrangle (43 M/11), Baltistan district, Northern Areas, Pakistan. 1987 (Inf. Rel. 290)  
Sajid Hussain Shah, Naseer Ali Khan, M. Saeed-u- Zafar Khan
38. Geology along the Karakoram Highway from Hasanabdal to Khunjerab pass 1987 (Inf. Rel. 314)  
Kanwar Sabir Ali Khan, Ibrar ul Hasan Khan,  
M. Saeed-u- Zafar Khan, Abdul Latif Leghari
39. Geology and mineral investigation of Hunza and Nagar areas, Northern Areas, Pakistan. 1987 (Inf. Rel. 291)  
Firdous Khan, Mohammad Latif, Arshad Fayaz,  
M. Saeed-u- Zafar Khan
40. Geology and mineral investigation of the Thor quadrangle (Topographic Map, 43-E/15; Scale 1:50,000), Diamir district, Northern Areas, Pakistan. 1987 (Inf. Rel. 289.)  
Sajid Hussain Shah, Kanwar Sabir Ali Khan, Naseer Ali Khan
41. Reconnaissance geology along Khar Mong valley road, District Baltistan, 1988 (Inf. Rel 377)  
Kanwar Sabir Ali Khan, Mohammad Latif, Arshad Fayaz
42. Geology and mineral investigation of the Single quadrangle (Toposheet No. 42 H/16), Gilgit district, Northern Areas, Pakistan. 1988 (Inf. Rel 362)

Naseer Ali Khan, Sajid Husain Shah, M. Saeed-u- Zafar Khan

43. A short note on the occurrence of turbidite at Sikanderabad along Karakoram Highway. Northern Areas, Pakistan. 1988 (Inf. Rel. 387)

Tahseenullah Khan, Naseer Ali Khan, M. Saeed-u-Zafar Khan

44. Preliminary study for geothermal development project in Pakistan. 1989 (Inf. Rel. 407)

Todaka. N, Tauqir Ahmad Shuja, Syed Jamiluddin, Naseer Ali Khan

45. Geology and petrography of the rock outcrops in Shinghai Gah and Kiner Gah, Gilgit –Chilas district, Northern Areas, Pakistan. 1989(Inf. Rel. 446)

Tahseenullah Khan, Naseer Ali Khan,  
Mohammad Latif, Sajid Hussain Shah

46. Geology and mineral investigation of the Yasin quadrangle, Northern Areas, Pakistan. 1991 (Inf. Rel. 494)

Firdous Khan, Mohammad Latif, Rafiullah Khan

47. Geology of Tangir Darel-Khanbari area, Diamir district, Northern Areas, Pakistan. 1992 (Rec., Vol 78)

Sajid Hussain Shah, M. Zadi, M. Shafiq

48. Geology and mineral investigation of the Jaglot,-Bunji quadrangle (43 1/10), Northern Areas, Pakistan. 1993 (Inf. Rel. 547.)

Sajid Hussain Shah, Rafiullah Khan

49. Geology of the Thurgo Gol quadrangle (Toposheet No. 43 M/15), Skardu district, Northern Areas, Pakistan. 1993 (Inf. Rel 687)

Naseer Ali Khan, Mohammad Latif, Sajid Hussain Shah

50. Geology and mineral investigation of the Gupis quadrangle (Toposheet No. 42 H/8), Northern Areas, Pakistan. 1993 (Inf. Rel. 546)

Naseer Ali Khan, Tahseenullah Khan, Ghulam Mujtaba

51. Geology of Kar Gah quadrangle, District Gilgit, Northern Areas, Pakistan. 1998 (Inf. Rel. 675)

Mohammad Latif, Tahseenullah Khan,  
Arshad Fayaz, Sajid Hussain Shah

52. Geology of the Chilas quadrangle (Toposheet No. 43 1/3), Diamir district, Northern Areas, Pakistan. 1998, (Inf. Rel. 548)

Naseer Ali Khan, Tahseenullah Khan

53. Geology of the Satpara quadrangle (43 M/12), Skardu district, Northern Areas, Pakistan. 1999 (Inf. Rel. 689)

Sajid Hussain Shah, Rafiullah Khan,  
Naseer Ali Khan, Mohammad Latif

54. Geology of the Mehdiabad quadrangle (43 M/16), Skardu district, Northern Areas, Pakistan. 1999 (Inf. Rel. 686)

Sajid Hussain Shah, Rafiullah Khan

55. Geology of the Baghicha quadrangle (43M/6), Skardu district, Northern Areas, Pakistan. 1999 (Inf. Rel. 688)

Sajid Hussain Shah, Rafiullah Khan

56. Geology of the Gunner Farm quadrangle (Toposheet No. 43 1/7), Diamir district, Northern Areas, Pakistan. 1999 (Inf. Rel. 683)

Naseer Ali Khan, Mohammad Latif, M. Sikandar Bakhat,  
Arshad Fayaz

57. Geological Map of Gahkuch-Roshan quadrangle (Toposheet No. 42 H/12 Scale 1:50,000) district Ghizer, Northern Areas, Pakistan. 1999, Geol Map Series No. 1227.

Mohammad Latif, Naseer Ali Khan

58. Geological Map of Bara Pani quadrangle (Toposheet No. 43 M/8, Scale 1:50,000) district Skardu, Northern Areas, Pakistan. 1999. Geol Map Series No. 1404.

Mohammad Latif, Naseer Ali Khan

59. Geology of the Kiner Gah quadrangle (Toposheet No. 43 ½), Diamir district, Northern Areas, Pakistan. 1999, (Inf. Rel. 684)

Naseer Ali Khan, Tahseenullah Khan, Ghulam Mujtaba,

Hamid Hussain, Rafiullah Khan

60. Geological Map of Gilgit quadrangle (Toposheet No. 43-1/5; 1:50,000), Northern Areas, Pakistan. 1999 (Geol Map Series No. 1310).

M.Saeed-u- Zafar Khan, Sajid Hussain Shah, Naseer Ali Khan,  
Mohammad Latif, Kanwar Sabir Ali Khan

61. Geological Map of Islamabad and its surroundings (Scale 1:50,000). 2000 (Spec Map Ser No. 1)

Sajid Hussain Shah, Naseer Ali Khan, M. A. Bhatti

62. Geological Roadlog along the Karakoram Highway from Islamabad to Khunjerab pass. 2000 (Map ser No. 1)

Kanwar Sabir Ali Khan, Mohammad Latif,  
Arshad Fayaz, Naseer Ali Khan, M. Saeed-u- Zafar Khan

63. Geological Map of Chatorkand quadrangle 42 H/15, district Ghahkuch Northern Areas, Pakistan. 2004 (Map Series No.1254)

Firdous Khan, Mohammad Latif

64. Geological Map of Darmadaro quadrangle 42 H/11, district Ghizer, Northern Areas, Pakistan. 2004. Map series No. 1226

Ayub Khan, Sajid Hussain Shah, Masud Tariq, Mohammad Latif

65. Geological Map of Khanbari quadrangle 43 E/14 district Diamir, Northern Areas, Pakistan. 2004. GSP, Map Serial No. 1257

Sajid Hussain Shah, Naseer Ali Khan

66. Geological Map of Skardu quadrangle 43 M/11 district Baltistan, Northern Areas, Pakistan. 2004. GSP Map Series No. 1423

Sajid Hussain Shah, Naseer Ali Khan

67. Geological Map of Alchori quadrangle 43 M/10, district Skardu, Northern Areas, Pakistan. 2005 (Map Series No. 1422)

Mohammad Latif , Firdous Khan, Sajid Hussain Shah

### **Economic Geological Reports**

68. Lead investigation in Thelichi area, Gilgit district. 1980 (Inf. Rel. 114)  
Sajid Hussain Shah
69. Cement raw material in Gilgit Agency 1982 (Inf. Rel. 168)  
Sajid Hussain Shah, Kanwer Sabir Ali Khan
70. A preliminary report on occurrence of sulphide mineralization in singal area (Toposheet No. 42 H/16), Gilgit district, Pakistan. 1987 (Inf. Rel 288)  
Naseer Ali Khan, Sajid Husain Shah, Ghulam Mujtaba
71. Occurrence of Gold in Garesh area, Gilgit district, Northern Areas, Pakistan. 1999 (Inf. Rel. 692)  
Naseer Ali Khan, Sajid Husain Shah,  
Firdous Khan, Abdul Latif Leghari
72. Geochemistry of the sulphide bearing zones in Shigar – Skardu, district Baltistan, Northern Areas, Pakistan. 1999 (Inf. Rel. 691)  
Sajid Hussain Shah, Naseer Ali Khan
73. Minerals Map of Northern Areas of Pakistan. 2005. (In Press).  
Kanwar Sabir Ali Khan, Sajid Hussain Shah,  
Mohammad Latif, Naseer Ali Khan