

***SECTOR F***

***TABLES***

Table F.1 River Water Quality

Location No.	Date of Sampling	Time Hrs	Flow Rate (m <sup>3</sup> /sec)	Temp (°C)	pH	DO (mg/l)	Cond (µS/cm)	Odor (TON)	Turb. (NTU)	Color (TCU)	BOD <sub>5</sub> (mg/l)	COD (mg/l)	TSS (mg/l)	OkG (mg/l)	T-N (mg/l)	E-Coli (MPN/100ml)	As (ppb)	Cu (ppm)	Cr (ppm)	Cd (ppm)	Pb (ppm)	Zn (ppm)	
National Environmental Quality Standards																							
1	04/04/00	1230	0.1	25.4	7.3	3.8	560.0	64.0	49.0	70.0	60.1	101.3	16,154.0	ND	12.3	18+							
F-8/2 Before Faizma Jimnah Park,																							
2	04/04/00	1400	0.5	18.2	7.4	5.7	210.0	4.0	13.7	0.0	6.8	25.6	4,041.0	ND	ND	18+							
E-8 Near Navy House Karakoram Road																							
3	04/05/00	1000	0.1	16.0	7.4	5.8	200.0	1.0	9.3	0.0	17.0	18.4	107.0	ND	ND	0.0							
F-6/2 Near Akhizar Mosque Margalla Road																							
4	04/05/00	1100	0.1	18.8	7.6	4.6	230.0	4.0	11.4	1.0	12.2	20.9	42.0	ND	ND	18+							
F-5/2 Near Azad Jamun Kashmiri Secretariat																							
5	04/06/00	1000	0.5	17.5	7.8	6.5	590.0	1.0	4.0	10.0	16.3	19.3	47.0	ND	ND	18+							
Near American Embassy																							
6	04/06/00	1145	0.1	22.3	7.6	2.2	850.0	16.0	6.4	70.0	31.3	58.2	146.0	ND	1.7	18+							
I-10 Pirwadhai crossing, Peshawar Road																							
7	04/07/00	1100	2.1	20.8	7.9	0.5	930.0	16.0	6.4	70.0	57.6	83.7	355.0	ND	10.1	18+	<10.0	<0.5	<0.1	<0.1	<0.2	<0.2	<0.2
I-10 Pirwadhai crossing, Nullah 1																							
8	04/07/00	1200	7.1	20.4	7.4	0.8	910.0	16.0	18.5	70.0	59.5	114.3	89.0	ND	3.4	18+	<10.0	<0.5	<0.1	<0.1	<0.2	<0.2	<0.2
I-10 Pirwadhai crossing, Nullah 2																							
9	04/07/00	1300	2.7	20.3	7.6	0.1	960.0	16.0	17.0	70.0	34.2	81.0	210.0	ND	5.1	18+	<10.0	<0.5	<0.1	<0.1	<0.2	<0.2	<0.2
I-10 Pirwadhai crossing, 200M after Joining																							
10	04/07/00	1500	0.8	20.8	8.1	6.1	600.0	1.0	0.5	0.0	14.2	34.8	43.0	ND	ND	18+							
Chattar Park																							
11	04/10/00	1330	10.8	23.8	7.1	0.3	1,320.0	64.0	41.5	70.0	139.1	357.5	284.0	ND	6.7	18+	<10.0	<0.5	<0.1	<0.1	<0.2	<0.2	0.3
Nallah Leh Near Guwalmond Bridge.																							
12	04/10/00	1445	7.8	24.4	7.1	0.1	1,340.0	64.0	65.1	70.0	139.3	215.4	272.0	ND	5.6	18+							
Jahanda Chichi, Air Port Road																							
13	04/11/00	1025	9.6	24.2	7.6	2.1	1,590.0	64.0	59.3	50.0	81.7	147.1	255.0	ND	51.0	18+	<10.0	3.0	<0.5	<0.1	0.3	0.3	
Nallah Leh before joining River Swan																							
13*	04/11/00																						
Nallah Lai before joining River Swan																							
14	04/11/00	1245	10.1	26.3	8.2	7.6	770.0	4.0	6.1	20.0	26.9	45.6	94.0	ND	ND	18+							
River Swan before Swan Bridge																							
15	04/11/00	1130	10.5	25.4	7.6	5.4	1,140.0	16.0	43.5	20.0	42.6	68.7	22.0	ND	5.0	18+	<10.0	0.5	<0.5	<0.1	0.2	0.2	0.2
Mix of Swan and Nallah Lai																							
16	04/13/00	1220	1.2	19.8	7.8	6.0	410.0	1.0	2.6	10.0	ND	7.0	106.0	ND	ND	18+							
Rawal Dam																							
17	04/12/00	1300	1.9	26.9	7.6	2.4	58.0	4.0	22.6	70.0	10.9	15.8	77.0	ND	ND	18+							
Stream water Korang Nallah Lehtar road																							
18	04/13/00	400	0.0	20.5	7.7	0.7	760.0	16.0	9.9	10.0	58.0	89.3	50.0	ND	18.5	18+							
E-7 Hill Side Road opp St:16																							
19	04/12/00	1015	1.2	27.6	8.1	4.8	680.0	2.0	7.7	0.0	16.0	18.4	36.0	ND	ND	18+	<10.0	<0.5	<0.1	<0.1	<0.2	<0.2	<0.2
Nallah Kura, Shahrahe-Islamabad																							
19*	04/12/00																						
Nallah Kura, Shahrahe-Islamabad																							
20	04/13/00	1045	8.6	30.0	7.3	1.9	1,260.0	64.0	64.5	70.0	118.8	209.6	127.0	ND	37.5	18+							
Nallah Leh at Gullisian Colony line-1																							

Source : 3 cities investigation of Air & Water Quality June 2001

Pakistan Environmental Protection Agency, Japan International Cooperation Agency

Remark : Water quality is analyzed at HBP's Environmental Monitoring Laboratory. (HBP: Hagler Bailly Pakistan)

But in 13\*, 19\*, water quality is analyzed by Laboratories of PCSIR or NUST.

PCSIR : Pakistan Council of Scientific and Industrial Research

NUST : National University of Science and Technology

ND : Not detected