United States Department of the Interior,
Geological Survey

Table 6.--Quality of water entering drain wells from miscellaneous sources

Open-File Rept. 76-673
Prepared in cooperation with the
Idaho Department of Water Resources

Well number	Date of sample	Instantaneous discharge (ft^3/s)	Dissolved silica (SiO_2) (mg/l)	Dissolved calcium (Ca) (mg/l)	Dissolved magnesium (Mg) (mg/l)	Dissolved sodium (Na) (mg/l)	Dissolved potassium (K) (mg/l)	Bicarbonate (HCO_3) (mg/l)	Carbonate (CO_3) (mg/l)	Dissolved sulfate (SO_4) (mg/l)	Dissolved chloride (Cl) (mg/l)	Dissolved fluoride (F) (mg/l)	Dissolved nitrite plus nitrate (N) (mg/l)	Total Kjeldahl nitrogen (N) (mg/l)	Total nitrogen (N) (mg/l)	Total phosphorus (P) (mg/l)	Dissolved ortho. phosphorus (P) (mg/l)	Hardness (Ca, Mg) (mg/l)	Noncarbonate hardness (mg/l)	Specific conductance (µmhos)	pH (units)	Temperature (°C)	Turbidity (JTU)	Immediate coliform (col/100 ml)	Fecal coliform (col/100 ml)	Fecal streptococci KF AGAR (col/100 ml)	Total organic carbon (C) (mg/l)	Oil and grease (mg/l)	Dissolved lead (Pb) (mg/l)	Suspended sediment (mg/l)
Urban Runoff																														
06S-17E-02bad1	73-02-15	.01	5.3	13	1.8	34	4.9	65	0	11	39	.2	.38	2.1	2.5	.69	.34	40	0	264	7.2	.0	130	6,200	< 50	7,000	--	53	6	384
06S-17E-02bad2	73-02-15	.01	3.1	13	1.0	38	2.6	46	0	12	53	.1	.22	1.7	1.9	.47	.07	37	0	282	7.2	.0	40	5,400	< 50	5,600	--	41	8	117
	73-04-17	<.01	--	--	--	--	--	--	--	9.5	6.3	--	2.1	--	--	--	.27	--	--	120	--	--	50	--	--	--	--	--	--	69
06S-17E-02bbd1	73-02-15	.01	7.3	22	3.1	26	6.5	88	0	16	34	.2	.01	2.8	2.8	.57	.11	68	0	281	6.8	.0	80	B600	< 50	B3,800	--	--	7	551
07S-13E-14accl	72-09-20	E.04	46	67	33	43	9.1	344	0	74	22	1.0	2.5	.58	3.1	1.6	.74	300	21	734	7.8	16.0	15	70,000	30,000	1,700	5.0	--	--	2
	72-10-31	E.05	--	--	--	--	--	--	--	--	--	--	1.6	--	--	1.8	--	--	--	631	--	--	--	B300,000	B110,000	B2,000	--	--	--	--
07S-13E-14cad2	72-10-31	E.01	40	46	28	42	5.2	265	0	60	28	.7	2.5	.98	3.5	.26	.24	230	13	614	7.6	--	2	B3,000	B1,000	B100	4.0	--	--	70
07S-15E-33cadl	72-10-05	<.01	9.4	28	3.6	8.2	6.2	96	0	23	7.3	.5	.92	3.4	4.3	1.2	.62	85	6	238	6.8	12.0	80	160,000	B18,000	60,000	45	--	15	112
	73-04-17	<.01	--	--	--	--	--	--	--	5.5	2.0	--	.66	--	--	--	1.6	--	--	93	--	--	40	--	--	--	--	--	--	47
07S-15E-33dbb1	72-12-18	E.01	3.9	54	6.5	110	6.4	65	0	18	250	.2	.53	2.1	2.6	.76	.11	160	110	924	6.9	.0	1,100	2,400	460	74,000	22	2,300	6	247
Septic-Tank Effluent																														
07S-13E-14cadl	72-10-31	<.01	39	41	23	64	13	369	0	46	38	.9	.01	19	19	4.9	3.1	200	0	788	7.2	--	33	20,000,000	72,000	17,000	82	--	--	26
Industrial Waste																														
08S-16E-24aacl	72-11-01	1.0	32	44	19	26	4.3	180	0	49	32	.7	1.0	.12	1.1	.16	.17	190	40	475	7.7	34.5	1	0	0	20	3.0	--	--	3
Miscellaneous Wasteways																														
Location																														
08S-25E-20cad	72-07-26	E18	--	46	21	--	--	--	--	--	--	--	.52	.46	.98	.18	--	200	--	566	--	16.5	45	9,500	900	5,100	.0	--	--	47
09S-18E-02ccb	73-01-16	E.30	--	--	--	--	--	--	--	--	--	--	--	3.5	3.5	--	--	--	--	705	--	--	--	--	--	--	--	--	--	--
09S-23E-10bcb	73-05-08	--	15	47	15	20	3.7	193	0	48	20	.8	.06	.42	.44	.05	.01	180	21	428	7.4	17.5	--	5	B2	240	--	--	--	--
	73-06-26	--	--	--	--	--	--	--	--	41	18	--	.02	--	--	--	.00	--	--	324	--	30.0	--	--	--	--	--	--	--	--
	73-07-25	--	9.1	42	16	19	4.4	179	0	44	20	.7	.00	.43	.44	.07	.01	170	24	412	8.0	27.0	3	500	23	260	--	--	--	<1
	73-08-16	--	15	45	16	20	4.5	189	0	41	20	.6	.01	.55	.58	.11	.09	189	34	434	8.1	22.5	5	10,000	210	1,400	--	--	--	10
09S-24E-05bcc	72-05-09	19	32	62	25	47	7.7	239	0	75	71	.5	1.7	.33	2.0	.50	.12	260	62	746	8.1	12.5	67	580	400	1,400	6.0	--	--	149
	72-07-13	20	25	59	22	40	6.2	228	0	65	51	.8	1.8	1.2	3.0	.49	.03	240	51	648	7.4	18.0	80	7,400	1,600	4,000	3.5	--	--	148
	72-10-04	10	20	54	21	35	5.3	217	0	47	43	.8	1.4	.33	1.7	.08	.02	220	43	574	8.2	11.5	30	6,100	110	1,500	3.0	--	--	34
	73-01-17	38	16	34	10	28	20	218	0	18	25	.6	.87	4.6	5.5	3.4	1.2	130	0	428	7.5	.5	--	--	--	--	--	--	--	--
	73-05-08	2.7	15	32	9.8	17	4.9	139	0	27	15	.6	.63	1.8	2.4	.83	.22	120	6	319	7.7	11.5	--	B1,900	1,100	B52,000	--	--	--	--
	73-05-22	34	35	61	25	58	7.9	263	0	79	76	.7	1.7	1.2	3.0	.67	.16	260	40	760	7.9	--	220	B800	B47	8,800	--	--	--	396
	73-06-26	35	--	--	--	--	--	--	--	75	70	--	1.8	--	--	--	.11	--	--	733	--	19.5	180	--	--	--	--	--	--	448
	73-07-24	40	28	58	24	45	6.2	221	0	67	63	.5	1.4	.65	2.1	.22	.07	240	62	668	8.3	--	60	20,000	460	6,000	--	--	--	108
	73-08-16	21	31	57	24	47	7.0	198	15	65	65	.5	1.7	.61	3.1	.26	.10	240	54	688	8.4	18.0	70	86,000	B1,700	14,000	--	--	--	106
	73-08-30	18	31	63	24	49	7.4	254	0	57	68	.5	1.5	.25	1.9	.36	.09	260	48	653	8.3	14.0	--	58,000	2,900	7,500	--	--	--	77
	73-09-19	33	--	--	--	--	--	--	--	75	76	--	1.6	--	--	--	.10	--	--	755	--	15.5	15	--	--	--	--	--	--	88
	73-10-16	.90	--	--	--	--	--	--	--	48	25	--	.01	--	--	--	.04	--	--	428	--	9.0	--	--	--	--	--	--	--	3
09S-24E-05bcc	72-05-09	E5.6	12	49	14	15	6.8	192	0	45	16	.6	.03	.35	.38	.26	.26	180	23	443	7.4	19.5	3	E230	E8	E2,800	--	--	--	29
	72-12-19	<.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	205	--	--	--	--	--	--	--	--	--	--