

QUALITY OF GROUND WATER

SOUTH-CENTRAL ALASKA

MATANUSKA-SUSITNA BOROUGH

613717149393101 -- SB01800228CBBB1001

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August to September 2005.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Medium code	Sample type	Depth to water level, feet below LSD (72019)	Water level, depth below MP, feet (61055)	Depth of well, feet below LSD (72008)	Sam-pling condi-tion, code (72006)	Sample treat-ment, code (00115)	Pump or flow period prior to sam-pling, minutes (72004)	Flow rate, instan-taneous gal/min (00059)	Sam-pling method, code (82398)	Sampler type, code (84164)	Specif. conduc-tance, wat un f, uS/cm 25 degC (00095)
AUG 12...	1700	6	9	28.77	31.13	39	.10	1	47	10.6	4040	4040	301
SEP 13...	1140	6	9	28.61	30.97	39	.10	1	32	11.2	--	4040	304

Date	pH, water, unfltrd field, std units (00400)	Oxi-dation re-duction poten-tial, mV (00090)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Baro-metric pres-sure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of sat-uration (00301)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Sodium, water, fltrd, mg/L (00930)	Potas-sium, water, fltrd, mg/L (00935)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)
AUG 12...	7.1	24	27.1	4.8	--	1.0	--	160	52.9	7.00	3.10	1.10	181
SEP 13...	7.1	-55	12.7	4.6	756	.7	6	--	--	--	--	--	--

Date	Alka-linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Sulfate water, fltrd, mg/L (00945)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Residue on evap. at 180degC, wat flt mg/L (70300)	Residue water, Nitrite sum of water, consti-tuents mg/L (70301)	Nitrite + nitrate water, fltrd, mg/L as N (00613)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	Total nitro-gen, wat un f by anal ysis, mg/L (62855)	Ammonia water, fltrd, mg/L as N (00608)	Phos-phorus, water, unfltrd field, mg/L (00665)	
AUG 12...	148	3.9	1.81	E.1	13.2	164	173	<.002	.127	.15	.08	<.010	<.004
SEP 13...	--	--	--	--	--	--	--	<.002	.121	.14	.12	<.010	.006

Date	Phos-phorus, water, fltrd, mg/L (00666)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, ug/L (01046)	Mangan-ese, water, fltrd, ug/L (01056)	Deu-terium/ Protium ratio, unfltrd per mil (82082)	O-18 / O-16 ratio, unfltrd per mil (82085)	Organic carbon, water, fltrd, mg/L (00681)
AUG 12...	.005	<.006	22	.8	-131	-16.56	--
SEP 13...	.005	<.006	--	--	-131	-16.61	.8