

QUALITY OF GROUND WATER

SOUTH-CENTRAL ALASKA

MATANUSKA-SUSITNA BOROUGH

613548149201001 -- SA01700106ACAA1007

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 09...	1520	6	9	10.06	11.06	40.0	.10	1	80	6.2	4040	4040	297
SEP 14...	1350	6	9	9.73	10.73	40.0	.10	1	77	14.3	4040	4040	307

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 09...	7.4	-71	--	9.6	762	.3	3	150	50.8	6.21	3.84	1.12	167
SEP 14...	7.6	-82	15.5	9.4	--	.3	--	--	--	--	--	--	--

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 09...	137	.9	4.41	<.1	10.9	166	161	<.002	<.016	.07	.06	.021	E.004
SEP 14...	--	--	--	--	--	--	--	<.002	<.016	.07	.11	.018	.005

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 09...	E.002	<.006	126	348	-124	-15.36	1.9
SEP 14...	E.004	<.006	--	--	-124	-15.46	2.5