

# QUALITY OF GROUND WATER

## SOUTH-CENTRAL ALASKA

### MATANUSKA-SUSITNA BOROUGH

613728149252801 -- SB01800127ADBA1034

#### 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, uS/cm 25 degC (00095)
AUG 03...	1600	6	9	42.10	45.02	100	.10	1	80	11.2	4040	4040	269
SEP 09...	1340	6	9	42.16	45.08	100	.10	1	43	11.6	4040	4040	277
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 03...	7.2	-100	18.0	8.2	--	.8	--	110	31.4	8.68	4.28	1.17	156
SEP 09...	7.1	-129	11.5	7.5	752	.3	3	--	--	--	--	--	--
Date	Alka-linity, wat flt inc tit 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)	Nitrite water, fltrd, mg/L as N (00613)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Total nitro-gen, wat flt by anal ysis, mg/L (62854)	Total nitro-gen, wat unf by anal ysis, mg/L (62855)	Ammonia water, fltrd, mg/L as N (00608)	Phos-phorus, water, unfltrd mg/L (00665)	Phos-phorus, water, fltrd, mg/L (00666)
AUG 03...	129	<.2	1.95	<.1	27.3	157	<.002	<.016	1.89	1.86	1.81	.091	.094
SEP 09...	--	--	--	--	--	--	.008	<.016	2.02	1.87	1.80	.092	.008
Date	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, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Organic carbon, water, fltrd, mg/L (00681)							
AUG 03...	<.006	7960	531	-108	-12.10	2.2							
SEP 09...	.006	--	--	-110	-12.13	2.3							