September 18, 1974

Publication No. 74-e38

WA-22-0030

Memo to: Stan Springer and Bob Bottman

From: Grover Scott Jeane II

Subject: The South Aberdeen Junior High School Wood Waste Fill.

The wood waste landfill was visited by myself and Darrel Anderson on July 15, 1974. The seepage observed was minimal due to very dry weather. Stations #2 and #3 were dry. Stations 1 (upstream) and 4 (downstream) were sampled.

Station	D.O.	pH	Temp °C	Sulfides	Cond.	COD	PBI
1	9.5	6.6	12.5	N.D.	65	16	N.D.
4	---	6.2	12.0	N.D.	85	20	N.D.

	NO_3-N	NO_2-N	NH_3-N	TK-N	O-PO_4-P	T-PO_4-P
1	0.12	N.D.	0.04	0.32	0.07	0.40
4	0.03	N.D.	0.03	0.21	0.03	0.04 ?

The dissolved oxygen sample for Station #4 broke in transit. The 9.5 mg/1 measured at Station #1 would not have been depressed substantially according to the other water quality parameters. No PBI were measured at either station which seems unusual. The nutrient data does not reveal any problems. All nutrient parameters measured decreased at Station #4. Again this is unusual because the water at Station #4 was noticeably colored by leachate. Sulfides analysis was completed in the field using a LaMotte field kit with none detected at either station. Future sampling is tentatively being scheduled in conjunction with the Chehalis River Basin Study.

GSJ:jmh

STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

ORIGINAL TO: G.S. JEANE
COPIES TO: B. BOTTMAN
LAB FILES

DATA SUMMARY

Source: COSMOPOLIS LANDFILL

Collected By: G.S.J.

Date Collected: 7-15-74

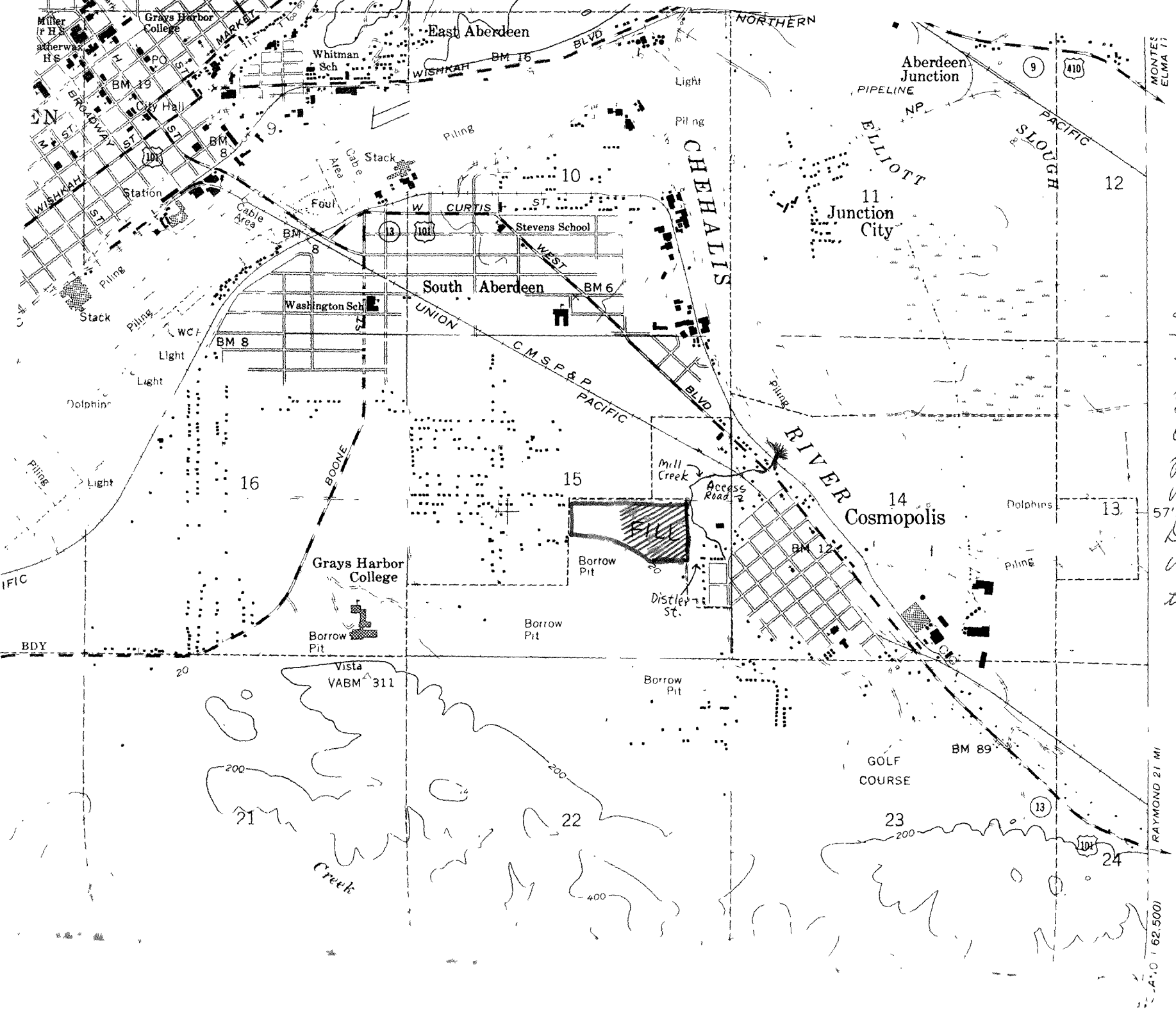
Goal, Pro./Obj.:

Log Number:	74. 2892	93									STORET
Station:	1	4									
pH	7.1	6.7									00403
Turbidity (JTU)											00070
Conductivity (umhos/cm)@25°C	64.	85.									00095
COD	16	20									00340
BOD (5 day)											00310
Total Coliform (Col./100ml)											31504
Fecal Coliform (Col./100ml)											31616
NO3-N (Filtered)	.12	.03									00620
NO2-N (Filtered)	ND	ND									00615
NH3-N (Unfiltered)	.04	.03									00610
T. Kjeldahl-N (Unfiltered)	.32	.21									00625
O-PO4-P (Filtered)	.07	.03									00671
Total Phos.-P (Unfiltered)	.40	.04									00665
Total Solids											00500
Total Non Vol. Solids											
Total Suspended Solids											00530
Total Sus. Non Vol. Solids											
PB1	ND	ND									

Note: All results are in PPM unless otherwise specified. ND is "None Detected"
Convert those marked with a * to PPB (PPM X 10^3) prior to entry into STORET

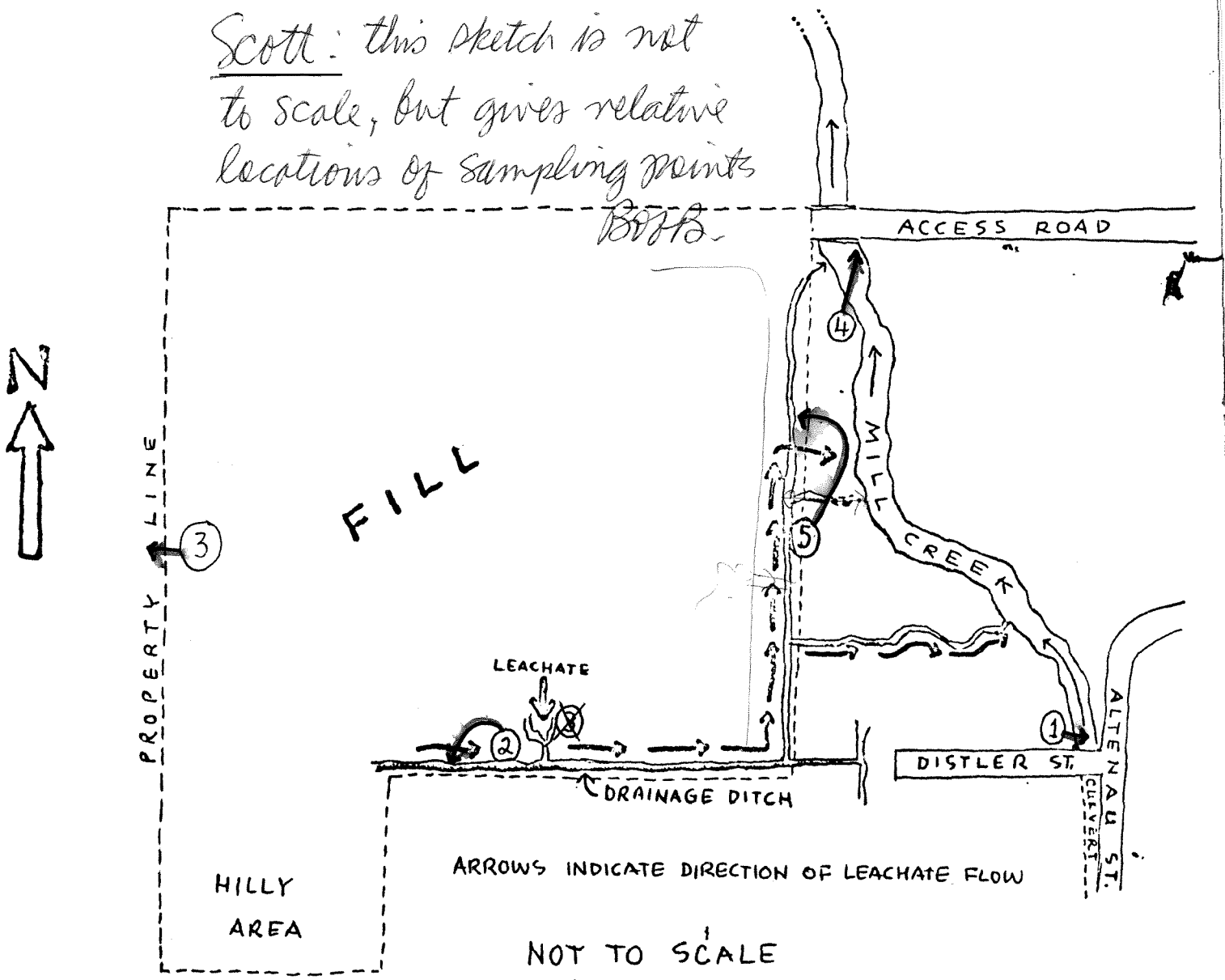
Summary By: Stephen D. Roll

Date: 8-23-74



Scott if access road is closed, you can get onto fill by parking at the west end of Distler St. and walk out on the fill.
Bobb.

Scott: this sketch is not to scale, but gives relative locations of sampling points
Bob B.



Red arrows indicate sampling points used on October 18, 1973.

APRIL 4, 1973

STATION	LOCATION
1	MILL CREEK ABOVE LEACHATE INFLUENCE AT DISTLER ST. AND SOUTH ALTENAU.
2	IN DRAINAGE DITCH ABOVE LEACHATE INFLUENCE.
3	~~LEACHATE.~~ DRAINAGE DITCH ON WEST EDGE OF FILL.
4	MILL CREEK BELOW LEACHATE INFLUENCE.
5	IN DRAINAGE DITCH BELOW LEACHATE INFLUENCE AND BEFORE ENTRY INTO MILL CREEK.

ORIGINAL TO: B. BOHMAN
COPIES TO: M. PRICE
LAB FILES

DEPARTMENT OF ECOLOGY

WATER QUALITY LABORATORY

DATA SUMMARY

Source Bell Dev. Co. Wood Waste Fill (SW) Collected By B. B.

Date Collected 10-18-73 Goal, Pro./Obj.

Log Number: 73-	3846	47	48	49	50						STORET
	MILL CREEK ABOVE FILL AT DISTLER ST.	DRAINAGE DITCH ON SOUTH SIDE OF FILL ABOVE LEACHATE INFLUENCE	DRAINAGE DITCH ON WEST EDGE OF FILL	MILL CREEK BELOW FILL AT ACCESS BRIDGE	DRAINAGE DITCH ON EAST SIDE OF FILL BELOW LEACHATE INFLUENCE						
Station:	1	2	3	4	5						
pH	6.8	7.4	5.8	6.6	5.4						00403
Turbidity (JTU)	2	5	2	3	3						00070
Conductivity (umhos/cm)@25°C	77.	104.	170.	130.	650.						00095
COD	11	19	180	27	740						00340
BOD (5 day)			14		420						00310
Total Coliform (Col./100ml)											31504
Fecal Coliform (Col./100ml)											31616
NO3-N (Filtered)											00620
NO2-N (Filtered)											00615
NH3-N (Unfiltered)											00610
T. Kjeldahl-N (Unfiltered)											00625
O-PO4-P (Filtered)											00671
Total Phos.-P (Unfiltered)											00665
Total Solids	84	115	242	93	636						00500
Total Non Vol. Solids	38	57	99	70	300						
Total Suspended Solids	19	16	10	18	55						00530
Total Sus. Non Vol. Solids	10	8	3	6	13						
Color	90	56	1020	160	820						
PBI	9	14	340	59	2900						
DISSOLVED OXYGEN	10.9	10.6	1.3	9.3	0.5						

Note: All results are in PPM unless otherwise specified. ND is "None Detected"
Convert those marked with a * to PPB (PPM X 10^3) prior to entry into STORET

Summary By Stephen D. Noll Date 11-1-73

Sample point 1. Looking downstream on Mill Creek from Distler St. (This is above the influence of leachate from the fill.)

Sample point 4. (Above the influence of leachate from the fill.) Looking downstream on Mill Creek from the northeast [illegible]