

CANADA CENTRE for Inland Waters
UNPUBLISHED MANUSCRIPT

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Delorme



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COLOUR MEASUREMENTS OF WATER SAMPLES COLLECTED
FROM NORTHWESTERN ONTARIO

L. D. DELORME

October, 1976

**UNPUBLISHED REPORT
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1976a

COLOUR MEASUREMENTS OF WATER SAMPLES COLLECTED
FROM NORTHWESTERN ONTARIO

L. D. DELORME

October, 1976

COLOUR MEASUREMENTS
OF
WATER SAMPLES
COLLECTED FROM
NORTHWESTERN ONTARIO

PROJECT 76-PRD-21

Autecology of shelled invertebrates
June, July, 1976

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Paleoenvironmental Research Section
Process Research Division
Canada Centre for Inland Waters
Burlington, Ontario

The colour of water samples, determined in the field, followed the methodology as described in "Standard Methods for the examination of Water and Wastewater" published by the American Public Health Association, Inc., 1965, 12th Edition, p. 127.

The term colour used here refers to the "true colour" - that is, the colour of the water from which the turbidity has been removed.

Method of Collection and Colour Determination

Samples of water were collected at the mud-water interface using a 1 litre van Dorn water bottle held on its side just above the interface. The sample was transferred into a 300 ml glass bottle which had been pre-cooled. The filled bottle was then returned to a chest cooler and maintained at a temperature of less than 10°C for a period of time ranging from 1 to 12 hours. The samples were then placed into a refrigerator at the base camp for 12 to 16 hours at 4.5°C. These samples, which were also used for determining soluble reactive phosphorus and nitrogen, were filtered through Sartorius acetate filters (0.45 microns, 47 mm dia.) by using a vacuum line operated from a water faucet.

The colour of the water was determined by placing the sample into a 50 ml - tall form - Nessler tube and compared to standard colours prepared by diluting a solution of potassium chloroplatinate. The colour results were recorded as colour units produced by 1 mg/l platinum.

The pH of the water samples was also measured at this time and recorded as laboratory pH. Sample numbers 6306 to 6315 inclusive, excluding sample number 6308, and sample numbers 6681 and 6689 measured extremely low laboratory pH values. The cause of these low values has not as yet been determined.

The location of the samples is given in Appendix A.

Sample No.	Field pH	Lab. pH	Lab. Color	Day/Mon/Year
6279	7.30	7.20	60	28/ 5/ 1976
6280	7.10	7.30	64	28/ 5/ 1976
6281	7.20	7.10	50	28/ 5/ 1976
6282	7.40	6.80	60	28/ 5/ 1976
6283	7.35	6.80	20	28/ 5/ 1976
6284	5.60	7.20	25	28/ 5/ 1976
6285	7.40	7.20	40	28/ 5/ 1976
6286	7.30	6.90	25	28/ 5/ 1976
6287	6.90	7.20	150	28/ 5/ 1976
6288	8.10	7.30	20	29/ 5/ 1976
6289	5.70	6.40	90	29/ 5/ 1976
6290	6.20	7.20	5	29/ 5/ 1976
6291	7.20	7.20	10	29/ 5/ 1976
6292	5.40	6.10	5	29/ 5/ 1976
6293	5.40	6.80	60	29/ 5/ 1976
6294	5.30	5.90	30	29/ 5/ 1976
6295	6.40	7.10	10	29/ 5/ 1976
6296	7.20	8.20	5	31/ 5/ 1976
6297	7.60	8.30	10	31/ 5/ 1976
6298	6.60	7.10	35	31/ 5/ 1976
6299	5.90	6.90	70	31/ 5/ 1976
6300	6.20	7.20	55	31/ 5/ 1976
6301	7.50	7.10	45	31/ 5/ 1976
6302	7.80	7.30	25	31/ 5/ 1976
6303	7.60	7.20	35	31/ 5/ 1976
6304	7.40	7.10	35	31/ 5/ 1976
6305	7.60	7.20	25	31/ 5/ 1976
6306	8.30	2.80	0	1/ 6/ 1976
6307	8.10	3.10	0	1/ 6/ 1976
6308	7.30	7.00	25	1/ 6/ 1976
6309	6.30	3.00	15	1/ 6/ 1976
6310	5.90	3.00	25	1/ 6/ 1976
6311	6.30	3.40	10	1/ 6/ 1976
6312	7.10	2.80	10	1/ 6/ 1976
6313	7.80	3.20	10	1/ 6/ 1976
6314	6.80	3.00	15	1/ 6/ 1976
6315	7.50	3.30	10	1/ 6/ 1976
6316	6.30	6.20	5	2/ 6/ 1976
6317	6.30	5.60	10	2/ 6/ 1976
6318	6.00	6.10	15	2/ 6/ 1976
6319	7.50	7.00	15	2/ 6/ 1976
6320	7.60	6.80	30	2/ 6/ 1976
6321	6.10	6.50	90	2/ 6/ 1976
6322	8.10	7.20	20	2/ 6/ 1976
6323	6.20	6.30	100	2/ 6/ 1976
6324	6.70	6.60	60	2/ 6/ 1976
6325	8.20	6.90	0	2/ 6/ 1976
6326	6.90	7.60	100	3/ 6/ 1976
6327	7.20	7.15	30	3/ 6/ 1976
6328	7.50	7.20	20	3/ 6/ 1976
6329	7.20	7.20	35	3/ 6/ 1976
6330	7.80	7.50	35	3/ 6/ 1976
6331	7.40	7.40	60	3/ 6/ 1976
6332	7.60	7.60	40	3/ 6/ 1976
6333	7.30	7.30	70	3/ 6/ 1976
6334	7.20	7.30	45	3/ 6/ 1976
6335	7.60	7.40	20	3/ 6/ 1976
6336	7.60	7.55	30	4/ 6/ 1976
6337	7.10	7.70	70	4/ 6/ 1976
6338	7.30	7.50	15	4/ 6/ 1976
6339	6.90	7.05	10	4/ 6/ 1976
6340	7.20	7.40	5	4/ 6/ 1976
6341	7.00	7.20	5	4/ 6/ 1976
6342	7.10	7.40	0	4/ 6/ 1976
6343	7.00	6.80	5	4/ 6/ 1976
6344	7.20	7.20	50	4/ 6/ 1976

Sample No.	Field pH	Lab. pH	Lab. Color	Day/Mon/Year
6345	8.20	7.75	5	5/ 6/ 1976
6346	7.60	7.50	15	5/ 6/ 1976
6347	6.50	6.80	180	5/ 6/ 1976
6348	6.90	7.10	15	5/ 6/ 1976
6349	7.20	6.85	20	5/ 6/ 1976
6350	7.60	7.30	40	5/ 6/ 1976
6351	7.70	7.40	20	5/ 6/ 1976
6352	8.60	8.25	10	5/ 6/ 1976
6353	6.40	7.10	35	5/ 6/ 1976
6354	7.60	7.25		5/ 6/ 1976
6355	7.10	7.30	25	5/ 6/ 1976
6356	7.50	7.30	30	7/ 6/ 1976
6357	7.40	7.40	25	7/ 6/ 1976
6358	6.80	7.30	15	7/ 6/ 1976
6359	7.10	7.20	20	7/ 6/ 1976
6360	7.70	7.20	10	7/ 6/ 1976
6361	7.50	7.40	0	7/ 6/ 1976
6362	7.40	7.30	5	7/ 6/ 1976
6363	7.30	7.20	0	7/ 6/ 1976
6364	8.30	7.90	10	7/ 6/ 1976
6365	6.70	6.90	40	8/ 6/ 1976
6366	7.00	7.40	20	8/ 6/ 1976
6367	7.40	5.30	5	8/ 6/ 1976
6368	8.40	7.20	0	8/ 6/ 1976
6369	8.60	7.30	5	8/ 6/ 1976
6370	8.10	7.20	5	8/ 6/ 1976
6371	7.20	7.20	25	8/ 6/ 1976
6372	7.90	7.50	10	8/ 6/ 1976
6373	6.80	7.20	10	8/ 6/ 1976
6374	6.50	6.60	40	8/ 6/ 1976
6375	7.70	7.00	15	8/ 6/ 1976
6376	7.30	7.00	35	9/ 6/ 1976
6377	6.70	7.00	30	9/ 6/ 1976
6378	7.10	7.10	10	9/ 6/ 1976
6379	7.20	7.10	5	9/ 6/ 1976
6380	6.90	6.40	10	9/ 6/ 1976
6381	7.00	7.20	10	9/ 6/ 1976
6382	7.40	7.30	5	9/ 6/ 1976
6383	7.20	7.10	10	9/ 6/ 1976
6384	6.30	6.70	10	9/ 6/ 1976
6385	7.10	7.00	35	9/ 6/ 1976
6386	7.60	7.10	5	9/ 6/ 1976
6387	7.10	7.30	20	11/ 6/ 1976
6388	6.70	7.00	40	11/ 6/ 1976
6389	7.70	7.60	10	11/ 6/ 1976
6390	8.10	7.80	5	11/ 6/ 1976
6391	7.80	7.60	5	11/ 6/ 1976
6392	7.60	7.50	30	11/ 6/ 1976
6393	7.70	7.50	15	11/ 6/ 1976
6394	6.80	6.90	35	11/ 6/ 1976
6395	7.20	6.90	45	11/ 6/ 1976
6396	7.60	7.50	50	11/ 6/ 1976
6397	6.90	6.80	10	12/ 6/ 1976
6398	7.10	7.20	20	12/ 6/ 1976
6399	7.80	7.60	20	12/ 6/ 1976
6400	7.60	7.50	25	12/ 6/ 1976
6401	7.60	7.70	40	12/ 6/ 1976
6402	6.60	7.00	45	12/ 6/ 1976
6403	6.30	6.70	25	12/ 6/ 1976
6404	7.00	7.10	10	12/ 6/ 1976
6405	6.60	7.30	20	12/ 6/ 1976
6406	7.20	7.30	25	12/ 6/ 1976

Sample No.	Field pH	Lab. pH	Lab. Color	Day/Mon/Year
6407	6.90	7.50	70	14/ 6/ 1976
6408	7.30	7.20	50	14/ 6/ 1976
6409	7.70	7.60	35	14/ 6/ 1976
6410	7.80	8.00	35	14/ 6/ 1976
6411	8.00	8.00	50	14/ 6/ 1976
6412	8.40	8.40	40	14/ 6/ 1976
6413	7.80	8.10	40	14/ 6/ 1976
6414	7.70	7.90	60	14/ 6/ 1976
6415	7.10	7.20	70	14/ 6/ 1976
6416	7.80	7.80	35	14/ 6/ 1976
6417	8.00	7.90	20	14/ 6/ 1976
6418	7.60	7.70	5	15/ 6/ 1976
6419	6.70	6.90	10	15/ 6/ 1976
6420	7.40	7.20	10	15/ 6/ 1976
6421	7.60	7.40	20	15/ 6/ 1976
6422	7.30	7.20	30	15/ 6/ 1976
6423	7.20	7.20	25	15/ 6/ 1976
6424	7.60	7.30	15	15/ 6/ 1976
6425	7.60	7.50	20	15/ 6/ 1976
6426	7.70	7.40	15	15/ 6/ 1976
6427	7.80	7.60	5	15/ 6/ 1976
6428	7.60	7.60	10	15/ 6/ 1976
6429	8.10	7.80	35	16/ 6/ 1976
6430	7.80	7.80	35	16/ 6/ 1976
6431	8.10	7.90	25	16/ 6/ 1976
6432	7.30	7.50	60	16/ 6/ 1976
6433	7.70	7.40	20	16/ 6/ 1976
6434	8.10	7.80	40	16/ 6/ 1976
6435	8.10	8.00	10	16/ 6/ 1976
6436	7.60	7.60	15	16/ 6/ 1976
6437	7.20	7.40	50	16/ 6/ 1976
6438	7.60	7.40	25	16/ 6/ 1976
6439	8.00	7.80	15	16/ 6/ 1976
6440	7.30	7.40	5	17/ 6/ 1976
6441	6.70	7.10	50	17/ 6/ 1976
6442	7.80	7.40	5	17/ 6/ 1976
6443	7.80	7.60	0	17/ 6/ 1976
6444	7.80	7.80	60	17/ 6/ 1976
6445	7.50	6.90	5	17/ 6/ 1976
6446	7.70	7.00	20	17/ 6/ 1976
6447	8.00	7.70	30	17/ 6/ 1976
6448	7.70	7.50	20	17/ 6/ 1976
6449	7.60	7.30	45	17/ 6/ 1976
6450	7.70	7.50	40	17/ 6/ 1976
6451	7.20	7.20	40	18/ 6/ 1976
6452	7.50	7.40	50	18/ 6/ 1976
6453	7.30	7.10	60	18/ 6/ 1976
6454	7.50	7.30	15	18/ 6/ 1976
6455	7.80	7.60	10	18/ 6/ 1976
6456	7.70	7.60	30	18/ 6/ 1976
6457	7.30	7.20	80	18/ 6/ 1976
6458	7.70	7.40	50	21/ 6/ 1976
6459	7.60	6.30	40	21/ 6/ 1976
6460	8.00	7.80	20	21/ 6/ 1976
6461	7.80	7.80	60	21/ 6/ 1976
6462	8.20	8.00	20	21/ 6/ 1976
6463	7.60	7.70	50	21/ 6/ 1976
6464	8.00	8.00	45	21/ 6/ 1976
6465	7.70	7.70	10	21/ 6/ 1976
6466	8.60	8.50	10	28/ 6/ 1976
6467	7.80	7.50	35	28/ 6/ 1976
6468	7.40	7.30	40	28/ 6/ 1976
6469	8.10	7.60	45	28/ 6/ 1976
6470	7.60	7.50	120	28/ 6/ 1976
6471	7.80	7.60	30	28/ 6/ 1976
6472	7.60	7.60	80	29/ 6/ 1976

Sample No. Field pH Lab. pH Lab. Color Day/Mon/Year

Sample No.	Field pH	Lab. pH	Lab. Color	Day/Mon/Year
6473	7.80	8.00	30	29/ 6/ 1976
6474	7.20	7.40	30	29/ 6/ 1976
6475	8.70	8.90	25	29/ 6/ 1976
6476	8.40	8.30	25	29/ 6/ 1976
6477	8.40	8.40	20	29/ 6/ 1976
6478	7.20	7.30	160	29/ 6/ 1976
6479	6.40	7.00	280	29/ 6/ 1976
6480	6.90	7.40	140	29/ 6/ 1976
6481	6.90	7.00	40	29/ 6/ 1976
6482	7.10	7.40	50	29/ 6/ 1976
6483	6.90	7.30	140	29/ 6/ 1976
6484	* .	7.70	70	29/ 6/ 1976
6485	6.90	7.90	10	30/ 6/ 1976
6486	7.10	7.60	35	30/ 6/ 1976
6487	7.20	7.50	60	30/ 6/ 1976
6488	6.90	7.40	60	30/ 6/ 1976
6489	7.90	7.70	45	30/ 6/ 1976
6490	7.70	7.90	40	30/ 6/ 1976
6491	7.30	7.70	50	30/ 6/ 1976
6492	6.90	7.40	25	30/ 6/ 1976
6493	7.20	7.30	60	30/ 6/ 1976
6494	6.90	7.20	50	30/ 6/ 1976
6495	6.60	7.10	180	30/ 6/ 1976
6496	7.20	7.60	35	30/ 6/ 1976
6497	6.90	7.20	35	1/ 7/ 1976
6498	7.20	7.40	15	1/ 7/ 1976
6499	5.90	6.60	120	1/ 7/ 1976
6500	7.20	7.30	25	1/ 7/ 1976
6501	8.30	8.10	5	1/ 7/ 1976
6502	5.20	6.30	70	1/ 7/ 1976
6503	7.00	7.40	40	1/ 7/ 1976
6504	7.00	7.20	20	1/ 7/ 1976
6505	6.90	7.30	30	1/ 7/ 1976
6506	6.70	7.10	20	1/ 7/ 1976
6507	6.60	7.00	30	1/ 7/ 1976
6508	7.20	6.60	10	1/ 7/ 1976
6509	7.30	7.50	40	2/ 7/ 1976
6510	7.50	7.80	5	2/ 7/ 1976
6511	6.10	6.60	30	2/ 7/ 1976
6512	6.70	7.00	20	2/ 7/ 1976
6513	4.90	5.60	100	2/ 7/ 1976
6514	6.10	6.60	160	2/ 7/ 1976
6515	6.60	6.70	30	2/ 7/ 1976
6516	6.80	7.00	40	2/ 7/ 1976
6517	6.60	7.10	30	2/ 7/ 1976
6518	6.90	7.10	20	2/ 7/ 1976
6519	7.80	7.50	70	2/ 7/ 1976
6520	8.30	7.90	45	2/ 7/ 1976
6521	7.40	7.80	30	2/ 7/ 1976
6522	7.50	7.50	15	2/ 7/ 1976
6523	7.00	7.10	20	2/ 7/ 1976
6524	7.10	7.30	20	2/ 7/ 1976
6525	6.60	6.80	30	3/ 7/ 1976
6526	7.90	8.20	5	3/ 7/ 1976
6527	7.80	8.10	5	3/ 7/ 1976
6528	6.80	7.30	15	3/ 7/ 1976
6529	8.00	8.20	5	3/ 7/ 1976
6530	7.60	7.90	20	5/ 7/ 1976
6531	7.10	7.50	40	5/ 7/ 1976
6532	5.20	7.00	180	5/ 7/ 1976
6533	6.70	7.40	100	5/ 7/ 1976
6534	6.80	7.60	100	5/ 7/ 1976
6535	6.30	6.90	180	5/ 7/ 1976
6536	7.00	7.70	160	5/ 7/ 1976
6537	7.20	7.60	120	5/ 7/ 1976
6538	7.10	7.60	90	6/ 7/ 1976

* Undetermined

Sample No.	Field pH	Lab. pH	Lab. Color	Day/Mon/Year
6539	6.40	6.90	120	6/ 7/ 1976
6540	7.00	7.50	70	6/ 7/ 1976
6541	7.00	7.50	90	6/ 7/ 1976
6542	7.40	7.80	30	6/ 7/ 1976
6543	6.30	7.00	180	6/ 7/ 1976
6544	6.80	7.30	240	6/ 7/ 1976
6545	7.70	7.40	40	6/ 7/ 1976
6546	6.30	7.00	80	6/ 7/ 1976
6547	7.30	7.60	100	6/ 7/ 1976
6548	7.40	7.50	100	6/ 7/ 1976
6549	7.00	7.40	90	6/ 7/ 1976
6550	6.10	6.80	160	6/ 7/ 1976
6551	7.40	7.70	60	6/ 7/ 1976
6552	7.30	8.30	5	7/ 7/ 1976
6553	7.60	8.10	15	7/ 7/ 1976
6554	7.20	7.70	30	7/ 7/ 1976
6555	7.30	7.80	35	7/ 7/ 1976
6556	7.90	8.40	10	7/ 7/ 1976
6557	6.80	7.50	70	7/ 7/ 1976
6558	7.60	8.00	20	7/ 7/ 1976
6559	8.00	8.30	5	7/ 7/ 1976
6560	6.90	7.50	60	7/ 7/ 1976
6561	7.70	8.10	5	7/ 7/ 1976
6562	7.80	7.90	20	8/ 7/ 1976
6563	7.10	7.80	60	8/ 7/ 1976
6564	7.20	7.50	70	8/ 7/ 1976
6565	7.60	7.90	35	8/ 7/ 1976
6566	7.40	7.80	45	8/ 7/ 1976
6567	7.20	7.80	70	8/ 7/ 1976
6568	7.00	8.00	60	8/ 7/ 1976
6569	7.70	8.20	35	8/ 7/ 1976
6570	7.80	8.30	25	9/ 7/ 1976
6571	7.80	8.20	5	9/ 7/ 1976
6572	6.70	8.00	70	9/ 7/ 1976
6573	6.90	7.50	45	9/ 7/ 1976
6574	6.70	7.40	70	9/ 7/ 1976
6575	7.30	7.70	35	9/ 7/ 1976
6576	7.30	7.90	25	9/ 7/ 1976
6577	6.70	7.20	5	10/ 7/ 1976
6578	6.40	7.20	15	10/ 7/ 1976
6579	6.50	7.20	20	10/ 7/ 1976
6580	6.50	7.30	15	10/ 7/ 1976
6581	7.70	7.40	10	10/ 7/ 1976
6582	6.10	7.00	20	10/ 7/ 1976
6583	7.20	7.10	40	10/ 7/ 1976
6584	7.60	7.20	25	10/ 7/ 1976
6585	7.70	7.40	45	10/ 7/ 1976
6586	6.40	7.30	60	12/ 7/ 1976
6587	6.80	7.60	25	12/ 7/ 1976
6588	7.30	7.80	40	12/ 7/ 1976
6589	6.00	9.10	180	12/ 7/ 1976
6590	7.00	7.50	35	12/ 7/ 1976
6591	7.00	7.60	40	12/ 7/ 1976
6592	6.60	7.50	45	12/ 7/ 1976
6593	8.20	7.60	20	12/ 7/ 1976
6594	6.40	7.20	60	12/ 7/ 1976
6595	6.70	7.20	35	12/ 7/ 1976
6596	8.50	7.90	0	12/ 7/ 1976
6597	7.00	7.20	60	12/ 7/ 1976
6598	6.40	7.30	45	12/ 7/ 1976
6599	6.50	7.50	10	13/ 7/ 1976
6600	6.70	7.50	25	13/ 7/ 1976
6601	6.80	7.50	25	13/ 7/ 1976
6602	6.80	7.50	25	13/ 7/ 1976
6603	8.70	7.80	30	13/ 7/ 1976

Sample No.	Field pH	Lab. pH	Lab. Color	Day/Mon/Year
6604	7.90	7.70	45	13/ 7/ 1976
6605	7.20	7.80	30	13/ 7/ 1976
6606	6.90	7.50	60	13/ 7/ 1976
6607	7.10	7.60	5	13/ 7/ 1976
6608	6.90	7.40	50	13/ 7/ 1976
6609	7.20	7.50	40	13/ 7/ 1976
6610	7.10	7.10	70	13/ 7/ 1976
6611	7.00	7.60	5	14/ 7/ 1976
6612	6.80	7.30	50	14/ 7/ 1976
6613	7.50	7.20	30	14/ 7/ 1976
6614	6.50	7.10	50	14/ 7/ 1976
6615	6.90	7.20	35	14/ 7/ 1976
6616	6.90	7.30	45	14/ 7/ 1976
6617	6.90	7.30	40	14/ 7/ 1976
6618	7.10	7.40	25	14/ 7/ 1976
6619	6.90	7.10	15	14/ 7/ 1976
6620	6.90	7.10	5	14/ 7/ 1976
6621	6.90	7.00	0	14/ 7/ 1976
6622	6.70	6.80	5	14/ 7/ 1976
6623	5.40	6.40	45	15/ 7/ 1976
6624	6.60	7.10	60	15/ 7/ 1976
6625	7.10	7.30	5	15/ 7/ 1976
6626	7.20	7.50	0	15/ 7/ 1976
6627	7.60	7.70	40	15/ 7/ 1976
6628	7.60	8.10	5	15/ 7/ 1976
6629	7.10	7.60	50	16/ 7/ 1976
6630	6.90	7.50	90	16/ 7/ 1976
6631	5.40	6.40	180	16/ 7/ 1976
6632	6.10	7.20	35	16/ 7/ 1976
6633	6.60	7.30	70	16/ 7/ 1976
6634	5.60	6.60	60	16/ 7/ 1976
6635	6.70	7.30	80	16/ 7/ 1976
6636	7.80	8.30	10	16/ 7/ 1976
6637	7.50	7.80	5	16/ 7/ 1976
6638	7.60	7.90	60	16/ 7/ 1976
6639	7.20	8.00	35	16/ 7/ 1976
6640	7.30	7.90	10	17/ 7/ 1976
6641	7.20	8.00	10	17/ 7/ 1976
6642	7.30	8.00	15	17/ 7/ 1976
6643	7.20	8.00	10	17/ 7/ 1976
6644	7.40	8.10	15	17/ 7/ 1976
6645	7.20	7.80	10	17/ 7/ 1976
6646	7.10	7.40	25	19/ 7/ 1976
6647	6.50	7.00	15	19/ 7/ 1976
6648	7.20	7.60	0	19/ 7/ 1976
6649	7.20	7.60	45	19/ 7/ 1976
6650	6.30	6.90	35	19/ 7/ 1976
6651	5.80	7.00	25	19/ 7/ 1976
6652	6.10	6.90	50	19/ 7/ 1976
6653	6.20	7.00	320	20/ 7/ 1976
6654	6.90	7.50	90	20/ 7/ 1976
6655	7.00	7.60	180	20/ 7/ 1976
6656	6.40	7.15	200	20/ 7/ 1976
6657	6.70	7.20	200	20/ 7/ 1976
6658	6.80	7.25	45	20/ 7/ 1976
6659	6.80	7.40	20	20/ 7/ 1976
6660	4.60	5.60	0	20/ 7/ 1976
6661	6.50	6.30	25	20/ 7/ 1976
6662	5.00	6.40	240	20/ 7/ 1976
6663	7.70	6.90	0	20/ 7/ 1976
6664	5.80	6.50	340	20/ 7/ 1976
6665	6.50	6.80	25	20/ 7/ 1976
6666	7.00	7.10	25	21/ 7/ 1976
6667	6.50	7.00	0	21/ 7/ 1976

Sample No.	Field pH	Lab. pH	Lab. Color	Day/Mon/Year
6668	6.40	6.90	40	21/ 7/ 1976
6669	6.60	6.95	10	21/ 7/ 1976
6670	6.50	6.50	140	21/ 7/ 1976
6671	6.20	6.70	20	21/ 7/ 1976
6672	6.60	6.90	5	21/ 7/ 1976
6673	7.20	6.80	10	21/ 7/ 1976
6674	6.20	6.70	15	21/ 7/ 1976
6675	6.90	6.70	0	21/ 7/ 1976
6676	6.90	7.20	5	21/ 7/ 1976
6677	6.80	7.30	0	21/ 7/ 1976
6678	6.70	7.15	25	21/ 7/ 1976
6679	6.70	7.20	160	21/ 7/ 1976
6680	7.30	7.70	70	21/ 7/ 1976
6681	6.90	3.90	45	22/ 7/ 1976
6682	6.80	7.00	70	22/ 7/ 1976
6683	7.30	7.20	0	22/ 7/ 1976
6684	7.10	7.20	10	22/ 7/ 1976
6685	6.70	7.20	20	22/ 7/ 1976
6686	7.70	7.10	5	22/ 7/ 1976
6687	7.70	7.40	5	22/ 7/ 1976
6688	7.20	7.30	5	22/ 7/ 1976
6689	6.80	3.30	20	22/ 7/ 1976
6690	6.70	6.30	35	22/ 7/ 1976
6691	7.60	7.30	20	22/ 7/ 1976
6692	6.80	7.00	45	23/ 7/ 1976
6693	7.10	7.30	20	23/ 7/ 1976
6694	6.20	7.00	24	23/ 7/ 1976
6695	5.80	6.60	150	23/ 7/ 1976
6696	6.70	7.30	120	23/ 7/ 1976
6697	5.40	6.50	320	23/ 7/ 1976
6698	5.90	7.00	200	23/ 7/ 1976
6699	6.60	7.15	80	23/ 7/ 1976
6700	6.40	7.10	50	23/ 7/ 1976
6701	6.10	7.05	50	23/ 7/ 1976
6702	6.80	7.30	0	23/ 7/ 1976
6703	5.90	6.60	20	24/ 7/ 1976
6704	6.70	7.40	0	24/ 7/ 1976
6705	6.80	7.60	25	24/ 7/ 1976
6706	6.50	7.50	25	24/ 7/ 1976
6707	6.60	7.60	30	24/ 7/ 1976
6708	6.20	7.10	120	24/ 7/ 1976
6709	5.80	6.60	140	24/ 7/ 1976
6710	6.40	7.30	60	24/ 7/ 1976
6711	6.40	6.90	120	26/ 7/ 1976
6712	6.30	7.00	50	26/ 7/ 1976
6713	6.30	6.75	90	26/ 7/ 1976
6714	6.60	7.10	40	26/ 7/ 1976
6715	7.10	7.30	5	26/ 7/ 1976
6716	6.40	7.25	70	26/ 7/ 1976
6717	6.80	7.50	45	26/ 7/ 1976
6718	6.50	7.30	40	26/ 7/ 1976
6719	6.70	7.45	5	26/ 7/ 1976
6720	6.10	7.00	5	26/ 7/ 1976

Geographic Location of Sample Station

SAMP	-----	UTM-----		LAT	LONG	NTS
6279	17	435900	5253200	47.431	* -81.850	COMPUTED 411605
6280	17	442425	5240250	47.315	-81.762	411605
6281	17	444500	5230750	47.230	-81.733	411604
6282	17	448450	5215750	47.095	-81.679	411604
6283	17	451900	5203225	46.983	-81.632	410913
6284	17	452300	5188520	46.850	-81.626	410913
6285	17	455550	5175000	46.729	-81.582	410912
6286	17	465600	5163475	46.626	-81.449	410911
6287	17	479125	5157250	46.570	-81.272	410911
6288	17	416225	5120225	46.232	-82.086	411001
6289	17	408700	5127750	46.299	-82.185	411008
6290	17	409200	5142375	46.431	-82.182	411008
6291	17	400800	5147800	46.478	-82.292	411008
6292	17	398650	5144550	46.449	-82.320	411008
6293	17	411000	5154650	46.541	-82.161	411009
6294	17	405500	5165250	46.636	-82.235	411009
6295	17	403000	5177500	46.746	-82.270	411009
6296	17	432225	5094250	46.000	-81.875	410904
6297	17	440350	5101400	46.066	-81.771	410904
6298	17	443600	5112075	46.162	-81.730	410904
6299	17	442025	5121325	46.245	-81.752	410904
6300	17	432700	5116975	46.205	-81.872	410904
6301	17	423225	5113600	46.174	-81.930	410904
6302	17	430450	5109475	46.137	-81.900	410904
6303	17	442975	5132025	46.341	-81.741	410905
6304	17	433300	5131750	46.338	-81.867	410905
6305	17	430050	5122525	46.255	-81.908	410905
6306	17	420000	5191500	46.874	-82.050	411016
6307	17	424250	5184250	46.809	-81.993	410913
6308	17	418400	5185750	46.822	-82.070	411016
6309	17	413750	5191000	46.869	-82.132	411016
6310	17	405500	5202000	46.967	-82.242	411016
6311	17	423700	5164800	46.634	-81.997	410912
6312	17	424650	5154950	46.546	-81.983	410912
6313	17	427350	5145150	46.458	-81.946	410905
6314	17	427050	5135900	46.375	-81.949	410905
6315	17	427900	5129600	46.318	-81.936	410905
6316	17	406650	5094225	46.003	-81.431	410903
6317	17	481550	5099950	46.055	-81.239	410903
6318	17	493750	5106250	46.112	-81.081	410903
6319	17	505700	5111000	46.155	-80.926	410902
6320	17	517300	5118250	46.220	-80.776	410902
6321	17	525325	5106700	46.115	-80.672	410902
6322	17	532995	5096275	46.021	-80.574	410902
6323	17	514650	5134325	46.364	-80.810	410907
6324	17	506660	5128750	46.314	-80.914	410907
6325	17	507000	5142525	46.438	-80.909	410907
6326	17	545300	5129825	46.322	-80.412	410908
6327	17	543850	5115375	46.193	-80.432	410901
6328	17	544100	5102750	46.079	-80.430	410901

* Disregard negative sign

6329	17	557000	5105600	46.104	-80.263	410901
6330	17	553250	5118475	46.220	-80.310	410901
6331	17	563700	5129650	46.319	-80.173	410908
6332	17	559350	5141875	46.430	-80.228	410908
6333	17	543720	5144625	46.456	-80.431	410908
6334	17	530800	5150550	46.510	-80.599	410910
6335	17	516525	5147875	46.486	-80.785	410907
6336	17	567650	5145125	46.458	-80.119	410908
6337	17	564650	5157475	46.570	-80.156	410909
6338	17	552700	5165875	46.646	-80.311	410909
6339	17	553750	5179750	46.771	-80.296	410916
6340	17	554500	5190250	46.866	-80.285	410916
6341	17	552250	5199400	46.948	-80.313	410916
6342	17	552500	5198000	46.935	-80.310	410916
6343	17	540600	5167230	46.659	-80.469	410909
6344	17	544200	5149860	46.503	-80.424	410909
6345	17	514550	5157270	46.571	-80.810	410910
6346	17	518050	5166275	46.652	-80.764	410910
6347	17	510800	5166100	46.650	-80.859	410910
6348	17	505540	5175600	46.736	-80.927	410910
6349	17	500330	5186100	46.830	-80.989	410915
6350	17	499325	5162975	46.622	-81.009	410911
6351	17	491630	5154150	46.543	-81.109	410911
6352	17	485675	5138300	46.400	-81.186	410906
6353	17	486610	5136825	46.387	-81.174	410906
6354	17	466800	5146225	46.471	-81.432	410906
6355	17	454960	5131430	46.337	-81.585	410905
6356	17	340300	5222175	47.136	-83.106	411503
6357	17	333825	5208300	47.009	-83.186	411503
6358	17	329250	5197075	46.907	-83.242	411014
6359	17	322850	5185950	46.806	-83.322	411014
6360	17	316825	5174400	46.700	-83.396	411011
6361	17	315725	5160650	46.576	-83.405	411011
6362	17	318360	5148800	46.470	-83.366	411006
6363	17	310850	5135500	46.349	-83.458	411006
6364	17	302525	5124950	46.251	-83.562	411005
6365	17	287100	5139630	46.379	-83.768	411005
6366	17	285125	5146350	46.438	-83.797	411005
6367	17	276200	5147150	46.443	-83.914	411005
6368	16	724200	5152640	46.492	-84.079	411108
6369	16	724900	5135390	46.337	-84.078	411108
6370	17	273500	5134370	46.327	-83.942	411005
6371	17	288250	5130460	46.297	-83.749	411005
6372	17	319980	5128400	46.287	-83.337	411006
6373	17	332000	5120775	46.222	-83.178	411003
6374	17	346225	5117200	46.193	-82.993	411002
6375	17	360825	5115925	46.185	-82.803	411002
6376	17	401275	5115700	46.190	-82.279	411001
6377	17	387075	5117150	46.201	-82.464	411001
6378	17	371775	5117775	46.203	-82.662	411002
6379	17	381350	5132640	46.339	-82.542	411007
6380	17	372525	5139660	46.400	-82.658	411007
6381	17	373800	5151000	46.503	-82.645	411010
6382	17	369000	5159750	46.581	-82.710	411010

6383	17	306500	5170600	46.678	-82.745	411010
6384	17	350000	5160500	46.583	-82.958	411010
6385	17	341560	5154550	46.528	-83.066	411011
6386	17	329050	5144875	46.438	-83.225	411006
6387	16	706000	5162725	46.588	-84.311	411109
6388	16	702900	5174600	46.696	-84.346	411109
6389	16	698420	5188100	46.819	-84.399	411116
6390	16	690950	5200950	46.937	-84.491	411116
6391	16	675100	5204025	46.969	-84.698	411115
6392	16	668700	5210900	47.032	-84.780	411402
6393	16	674800	5226600	47.172	-84.693	411402
6394	16	682750	5234600	47.241	-84.585	411402
6395	16	694140	5238300	47.271	-84.433	411408
6396	16	677400	5247875	47.362	-84.651	411407
6397	16	716100	5325950	48.052	-84.100	420301
6398	16	716800	5339125	48.170	-84.084	420301
6399	16	718050	5354375	48.307	-84.059	420308
6400	17	279000	5361000	48.365	-83.984	420205
6401	17	286750	5361800	48.375	-83.880	420205
6402	16	723400	5308425	47.892	-84.011	411416
6403	16	695220	5314100	47.952	-84.385	411416
6404	16	695425	5314200	47.953	-84.383	411416
6405	16	683820	5305750	47.881	-84.541	411415
6406	16	674175	5308100	47.905	-84.669	411415
6407	16	560300	5392170	48.682	-86.181	420409
6408	16	577425	5393475	48.691	-85.948	420312
6409	16	583000	5410000	48.839	-85.869	420313
6410	16	578200	5422250	48.950	-85.932	420313
6411	16	579900	5433600	49.052	-85.906	420604
6412	16	587050	5442475	49.131	-85.807	420604
6413	16	571500	5442200	49.130	-86.020	420501
6414	16	573100	5455550	49.250	-85.996	420605
6415	16	579800	5463850	49.324	-85.902	420605
6416	16	588700	5396300	48.715	-85.794	420312
6417	16	604925	5396100	48.711	-85.574	420312
6418	16	666600	5260600	47.479	-84.789	411407
6419	16	663725	5274825	47.608	-84.822	411410
6420	16	662925	5290800	47.752	-84.826	411415
6421	16	656990	5304125	47.873	-84.874	411415
6422	16	662775	5332425	48.126	-84.813	420302
6423	16	656000	5348275	48.270	-84.898	420307
6424	16	672340	5356490	48.340	-84.674	420307
6425	16	682425	5358875	48.359	-84.537	420307
6426	16	687700	5369850	48.456	-84.461	420308
6427	16	666325	5318600	48.001	-84.770	420302
6428	16	682275	5326450	48.067	-84.553	420302
6429	16	625300	5413940	48.868	-85.291	420314
6430	16	627950	5424500	48.962	-85.252	420314
6431	16	612130	5402650	48.771	-85.474	420314
6432	16	616200	5388225	48.638	-85.423	420311
6433	16	640500	5390100	48.650	-85.092	420311
6434	16	652000	5391750	48.662	-84.936	420310
6435	16	657700	5403500	48.766	-84.854	420315
6436	16	660600	5413750	48.858	-84.811	420315

6437	16	628590	5380840	48.569	-85.257	420311
6438	16	638600	5370675	48.476	-85.125	420306
6439	16	644200	5356470	48.347	-85.054	420306
6440	17	346530	5270050	47.568	-83.040	411511
6441	17	367400	5271950	47.589	-82.764	411510
6442	17	359600	5264225	47.518	-82.862	411510
6443	17	333050	5271150	47.574	-83.220	411511
6444	17	333260	5260570	47.479	-83.213	411506
6445	17	333150	5245775	47.346	-83.209	411506
6446	17	333900	5233460	47.236	-83.194	411503
6447	17	320990	5290900	47.749	-83.388	411511
6448	17	313500	5294230	47.776	-83.489	411514
6449	17	303125	5300175	47.827	-83.630	411513
6450	17	290920	5300830	47.829	-83.794	411513
6451	17	307430	5285640	47.697	-83.567	411512
6452	17	297075	5274700	47.596	-83.699	411512
6453	17	323000	5315075	47.966	-83.371	411514
6454	17	324500	5323300	48.041	-83.355	420203
6455	17	329450	5304500	47.873	-83.281	411514
6456	17	345375	5311450	47.940	-83.070	411514
6457	17	358000	5317250	47.995	-82.903	411515
6458	17	523500	5399550	48.750	-80.680	420115
6459	17	523450	5386600	48.634	-80.682	420110
6460	17	534075	5375800	48.536	-80.538	420110
6461	17	521775	5371650	48.500	-80.705	420107
6462	17	504120	5375450	48.534	-80.944	420110
6463	17	492000	5373850	48.520	-81.108	420111
6464	17	506500	5384925	48.619	-80.912	420110
6465	17	514840	5403475	48.786	-80.798	420115
6466	17	478220	5369475	48.480	-81.295	420106
6467	17	437830	5383375	48.602	-81.843	420112
6468	17	464900	5368650	48.472	-81.475	420106
6469	17	454670	5380150	48.575	-81.615	420112
6470	17	462625	5361625	48.409	-81.505	420105
6471	17	450150	5354775	48.346	-81.673	420105
6472	17	505050	5416450	48.903	-80.931	420115
6473	17	497750	5429500	49.020	-81.031	420803
6474	17	510000	5433775	49.059	-80.863	420802
6475	17	497200	5441100	49.125	-81.038	420803
6476	17	492000	5457750	49.274	-81.110	420806
6477	17	485250	5436100	49.080	-81.202	420803
6478	17	471770	5442100	49.133	-81.387	420803
6479	17	462430	5452620	49.227	-81.516	420804
6480	17	462800	5471700	49.399	-81.513	420805
6481	17	463270	5479975	49.473	-81.507	420805
6482	17	453630	5458130	49.276	-81.637	420805
6483	17	458675	5459450	49.287	-81.843	420805
6484	17	424400	5462700	49.314	-82.040	420708
6485	17	441475	5346840	48.274	-81.789	420105
6486	17	428625	5342725	48.236	-81.961	420104
6487	17	417180	5340800	48.217	-82.115	420201
6488	17	405375	5340450	48.212	-82.274	420201
6489	17	392500	5344575	48.247	-82.448	420201
6490	17	381100	5334150	48.151	-82.599	420202

6491	17	370250	5320900	48.030	-82.740	420202
6492	17	441450	5332850	48.148	-81.787	420104
6493	17	447800	5320375	48.036	-81.700	420104
6494	17	456625	5322800	48.059	-81.582	420104
6495	17	456625	5336000	48.178	-81.583	420104
6496	17	457000	5351230	48.315	-81.580	420105
6497	17	455995	5306200	47.910	-81.589	411613
6498	17	456900	5292800	47.789	-81.575	411613
6499	17	444650	5283400	47.704	-81.738	411612
6500	17	434300	5269200	47.575	-81.874	411612
6501	17	445000	5259015	47.484	-81.730	411605
6502	17	464125	5257725	47.474	-81.476	411606
6503	17	475700	5259850	47.494	-81.323	411606
6504	17	485100	5272700	47.610	-81.198	411611
6505	17	498375	5277025	47.649	-81.022	411611
6506	17	509625	5276700	47.646	-80.872	411610
6507	17	522500	5278175	47.659	-80.700	411610
6508	17	536140	5279800	47.673	-80.519	411610
6509	17	548225	5365425	48.442	-80.348	420108
6510	17	553400	5345140	48.259	-80.281	420108
6511	17	555450	5339425	48.208	-80.254	420101
6512	17	559560	5327775	48.102	-80.200	420101
6513	17	553700	5316775	48.004	-80.280	420101
6514	17	540820	5317425	48.011	-80.453	420101
6515	17	531600	5312050	47.963	-80.577	411615
6516	17	537625	5298700	47.843	-80.497	411616
6517	17	547450	5288445	47.750	-80.367	411609
6518	17	558400	5278200	47.657	-80.222	411609
6519	17	574430	5276375	47.638	-80.009	411609
6520	17	589900	5277575	47.647	-79.803	311312
6521	17	585200	5296575	47.819	-79.862	311313
6522	17	583775	5304050	47.886	-79.879	311313
6523	17	573500	5320000	48.031	-80.014	420101
6524	17	574850	5334700	48.163	-79.993	320404
6525	17	515000	5363500	48.426	-80.797	420107
6526	17	521500	5353400	48.335	-80.710	420107
6527	17	534700	5357600	48.373	-80.531	420107
6528	17	547600	5376200	48.539	-80.355	420109
6529	17	565675	5374500	48.522	-80.111	420109
6530	17	415900	5471375	49.391	-82.159	420708
6531	17	410825	5454000	49.234	-82.225	420701
6532	17	405525	5443275	49.137	-82.295	420701
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6534	17	388300	5418300	48.910	-82.524	420215
6535	17	388000	5410400	48.838	-82.526	420215
6536	17	402600	5471300	49.389	-82.342	420708
6537	17	408275	5481350	49.480	-82.266	420708
6538	17	390250	5476700	49.435	-82.514	420707
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6540	17	352500	5476250	49.423	-83.034	420706
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6684	16	291150	5329150	48.083	-89.804	520104
6685	16	285100	5334675	48.131	-89.888	520104
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6703	15	624500	5460500	49.287	-91.288	520706
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6715	15	634400	5530000	49.909	-91.128	520714
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6718	15	617750	5496000	49.607	-91.370	520711
6719	15	605000	5480300	49.468	-91.551	520705

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