

REGION X

SURVEILLANCE AND ANALYSIS

WATER QUALITY ANALYSIS
OF THE UPPER-MIDDLE
SNAKE RIVER
MAY, 1973 - MAY, 1974

ENVIRONMENTAL
PROTECTION
AGENCY
SEATTLE, WASHINGTON

WORKING PAPER NO.

EPA-910-8-75-093

July 1975

Water Quality Analysis of
The Upper/Middle Snake River

May 1973 - May 1974

UPPER SNAKE RIVER BASIN

REPORT

PREPARED BY:

Douglas Houck and
Ron Kreizenbeck
Surveillance and Analysis Division

E.P.A. REGION X
1200 Sixth Avenue
SEATTLE, WASHINGTON 98101

This Document is Available in Limited Quantities Through
The U.S. Environmental Protection Agency, Region X,
Surveillance And Analysis Division, Seattle, Washington.

A Working Paper presents results which are, to some extent, limited or incomplete. Therefore, conclusions or recommendations - - expressed or implied - - may be tentative.

TABLE OF CONTENTS

	PAGE
List of Figures	5
Introduction	6
Findings and Conclusions	8
Basin Description.	13
Methods	21
Results and Conclusions	25
A. Snake River Summary.	25
B. American Falls Reservoir	33
C. Minidoka	47
D. Milner Reach	50
E. Brownlee Reservoir	55
Appendix A - Figures	60
Appendix B - Idaho Water Quality Standards	113
Appendix C - Raw Data.	120

LIST OF FIGURES

1. Location map - Middle and Upper Snake Sub Basins
2. Location map - Middle Snake Sub Basin
3. Location map - Upper Snake Sub Basin
4. Percentage of Samples Showing D.O. violations
5. Monthly total phosphorus loading in pounds at American Falls Reservoir
6. Temperature of American Falls Reservoir
7. Monthly nitrate loading in pounds at American Falls Reservoir
8. Monthly Ammonia loading in pounds at American Falls Reservoir
9. Monthly organic nitrogen loading in pounds at American Falls Reservoir
10. Phytoplankton chlorophyll a

INTRODUCTION

Arising in the rugged Grand Teton Mountains of Wyoming - the Snake River flows through Idaho, forms the border between Oregon and Idaho and finally merges with the Columbia River in south eastern Washington. Its volume is increased along its journey, by many tributaries and by groundwater flow. As the river flow is naturally increased, man diminishes it through agricultural and industrial use. Since agriculture and agricultural processing are the main industries in the upper and central Snake Basin, it is logical that these activities constitute the largest contributors of wastes and thereby nutrients to the Snake system's waters. Nutrient concentrations in excess of natural levels result in extensive algal blooms which in turn depress dissolved oxygen levels in the water. Furthermore, aesthetic problems which are both unpleasant and undesirable accompany such blooms.

On the basis of a study performed in the Snake River Basin by the Federal Water Pollution Control Administration (1) further investigation of the nutrient - algae interrelationship was requested by EPA Region X, Seattle, Washington.

(1) U.S. Department of the Interior, "Water Quality Control and Management, Snake River Basin," Federal Water Pollution Control Administration, Portland, Oregon, 1968, 489 pp.

This study was an attempt to determine the behavior of incoming nutrients in the upper Snake reservoir system and to trace their flow through the upper and central Snake. One possible destiny for this nutrient load is retention by one of the reservoirs in the area: American Falls, Minidoka (also known as Lake Walcott), Milner or Brownlee.

The objectives of the study undertaken from May, 1973 to May, 1974, were therefore, 1) to establish a water quality monitoring program to detect water quality standards violations (See Appendix B for applicable Idaho State standards); 2) to obtain data to show seasonal, point source and non-point source variations; 3) to determine whether the American Falls, Minidoka, Milner and Brownlee Reservoirs function as sinks for nutrients, that is, to determine whether more nutrients flow into the reservoirs than are carried out of them; and 4) finally, to determine the adequacy of a water quality monitoring program to fulfill these objectives.

FINDINGS AND CONCLUSIONS

1. American Falls Reservoir is an overall sink for total phosphorus and nitrogen. For the study period, May '73 - May '74, a mean reduction of 72% for total phosphorus and 22% for total nitrogen in the American Falls Reservoir reach of the Snake River was found.

2. Lake Walcott (Minidoka) acts as a "buffering" system for American Falls Reservoir's discharge during the irrigation season and a flow-through system for the rest of the year.

3. Between the discharge of Minidoka Dam and the discharge of Milner Dam, the Milner Reach, there was a mean increase of 39% in total phosphorus and 9% in total nitrogen during the sampling period.

4. Brownlee Reservoir, during the sampling period, exhibited a 16% mean reduction in total phosphorus and a mean increase of 53% in total nitrogen.

5. The State of Idaho water quality dissolved oxygen, (D.O.), standards (see Appendix B) were violated at some time during the sampling period at every station except the Heise station and the Henry's Fork River Stations. Table 1 presents the percentage of total samples detected in violation at each of the stations.

TABLE 1

D.O. VIOLATIONS - PERCENT OF TOTAL SAMPLES TAKEN

Snake @ Roberts	5.5%	Milner	33.3%
Blackfoot River	26.3%	Main Drain	43.0%
Snake @ Tilden	10.5%	Snake @ Marsing	5.3%
Portneuf River	50%	Boise River	40.0%
American Falls	5.3%	Snake @ Weiser	5.3%
Minidoka	11.1%	Brownlee	68.4%

6. The table below indicates the number of samples (in percent) in violation of the State of Idaho fecal coliform bacteria water quality standards for the total sampling period at each station (in violation of Idaho standards).

TABLE 2

FECAL COLIFORM VIOLATIONS - PERCENT OF TOTAL SAMPLES*

Blackfoot River	16.7%	Milner	41.2%
Snake @ Tilden	11.1%	Main Drain	35.7%
Portneuf River	22.2%		

7. The Main Drain violated the Water Quality Standards for pH on December 3, 1973.

8. The monitoring system constructed for this survey reveals an accurate picture of the water quality in the Upper Snake basin.

* NOTE: The coliform bacteria sampling area was from Milner Dam to Heise.

Recommendations

1. The Portneuf River should be intensively studied to determine the source of the large amounts of nutrients in it.
2. The tributaries to the Snake River around the Boise area, the Payette, Boise, Weiser, Malheur and Owyee Rivers; should be examine further to determine the origin of large amounts of phosphorus which were detected.
3. The stations listed as primary in the following table should be monitored on a regular basis. These stations are most important in showing major trends along the Snake River. They are located in either the mainstem of the Snake or at the mouths of major tributaries. For the most complete monitoring of this basin, water should also be sampled regularly from the stations listed as secondary in Table 3.

TABLE 3

TREND STATIONS

<u>PRIMARY</u>		<u>SECONDARY</u>		<u>BIASED</u>	
<u>STA. NO.</u>	<u>STATION NAME</u>	<u>STA. NO.</u>	<u>STATION NAME</u>	<u>STA. NO.</u>	<u>STATION NAME</u>
16	Sn. @ Heise	22	Falls River	10	Spr. @ Rowland's Dairy
17	H.F. @ Rexburg	21	H.F. @ Ashton Res.	13	Sn. @ Tilden Bridge
9	Portneuf River	20	Teton River		
8	Bl. American Falls	19	H.F. Ab. St. Anthony		
5	Bl. Milner	18	H.F. S. of Parker		
4	Sn. @ Marsing	15	Sn. 2 Mi. E. of Roberts		
3	Boise River	11	Spring Creek		
2	Sn. @ Weiser	12	McTucker Spring		
1	Bl. Brownlee	14	Blackfoot River		
		7	Bl. Minidoka		
		6	Main Drain		

TABLE 4

STATION IDENTIFICATION

Station No.	Storet Sta. No.	Station Name
1	403004	Snake River Bl Brownlee Dam
2	153004	Snake River at Weiser Idaho
3	153005	Boise River West of Parma Idaho
4	153003	Snake River at Marsing Idaho
5	153001	Lake Milner at Milner Dam
6	150057	Main Drain @ 950 West Road
7	150032	Snake R. BLW Minidoka Dam
8	153357	Snake R. BLW American Falls Dam
9	150038	Portneuf R at Siphon Rd Br
10	153287	Spring @ Rowland's Dairy - Pocatello
11	153292	Spring Creek at Bronco Rd.
12	153281	McTucker Spring
13	150047	Snake R. at Tilden Bridge
14	150048	Blackfoot R. at Mouth
15	153299	Snake River 2 mi. E. of Roberts
16	153360	Snake River Near Heise
17	153359	Henrys Fork at Rexburg
18	153358	Henry's Fork South of
19	153355	Henry's Fork Above St Anthony
20	153156	Teton R. N. of Newdale
21	153361	Henry's Fork At Ashton Reservoir
22	153356	Falls River NR Mouth

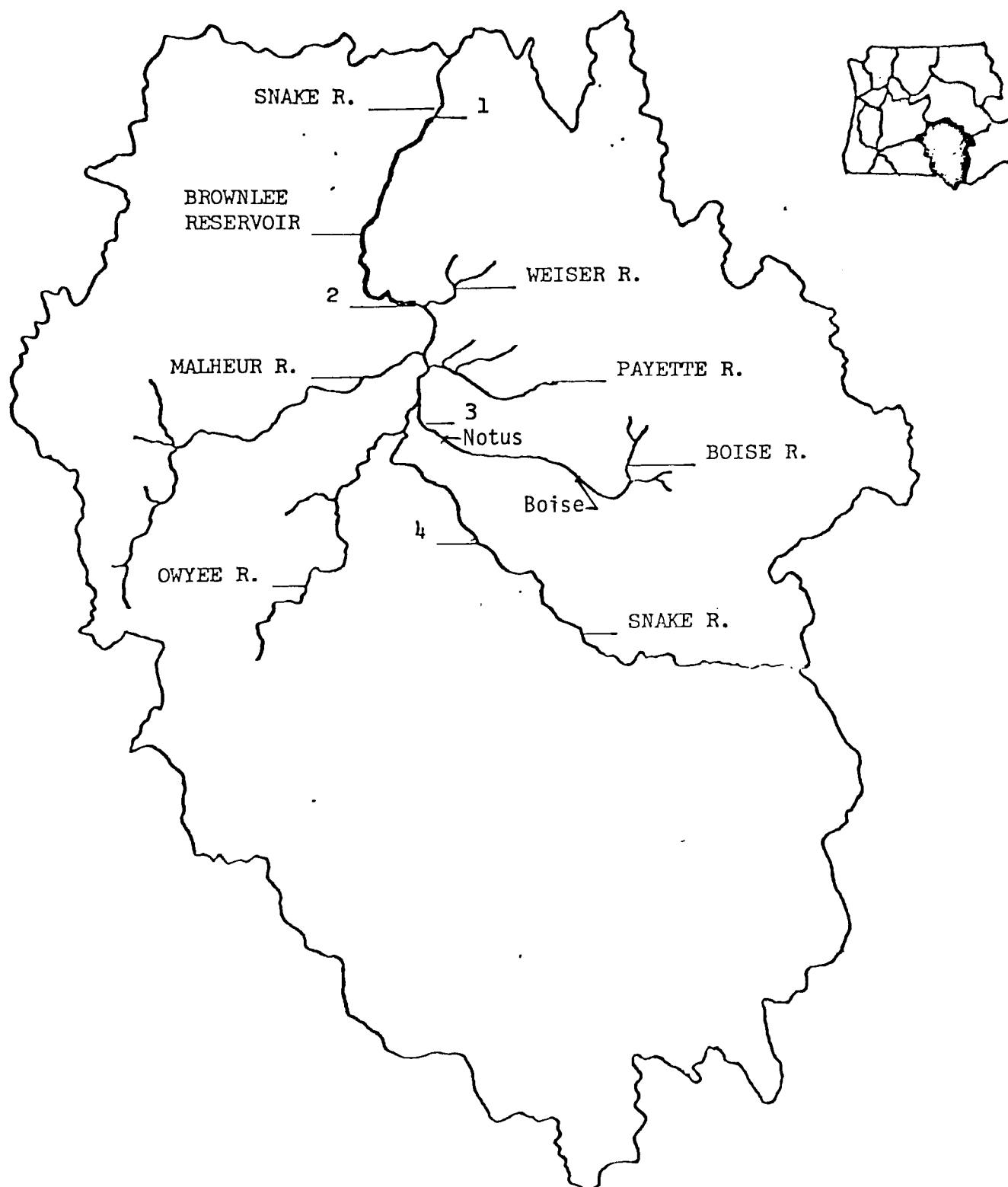


Figure 2. Middle Snake Subbasin Monitoring Stations

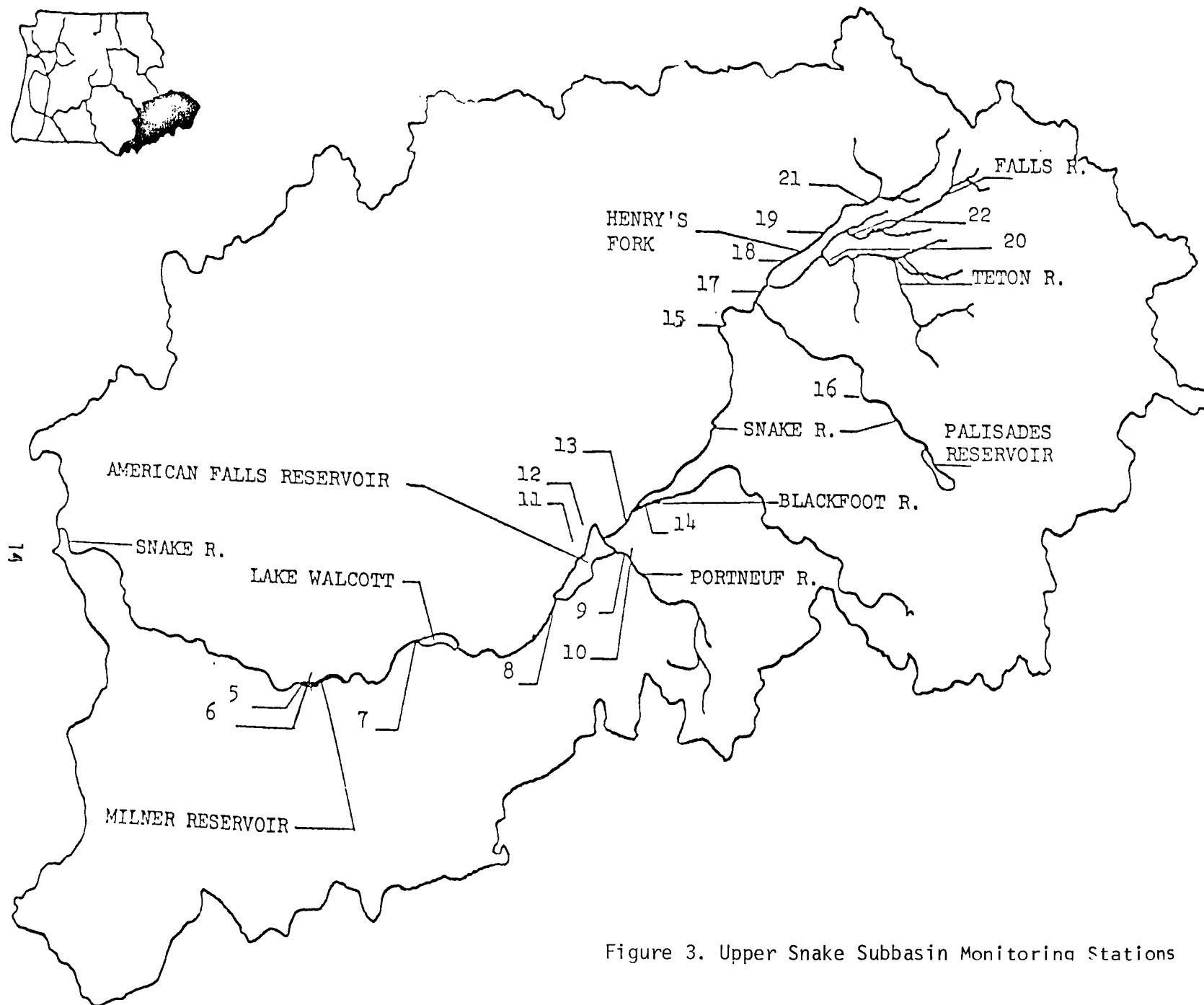


Figure 3. Upper Snake Subbasin Monitoring Stations

MIDDLE SNAKE / UPPER SNAKE

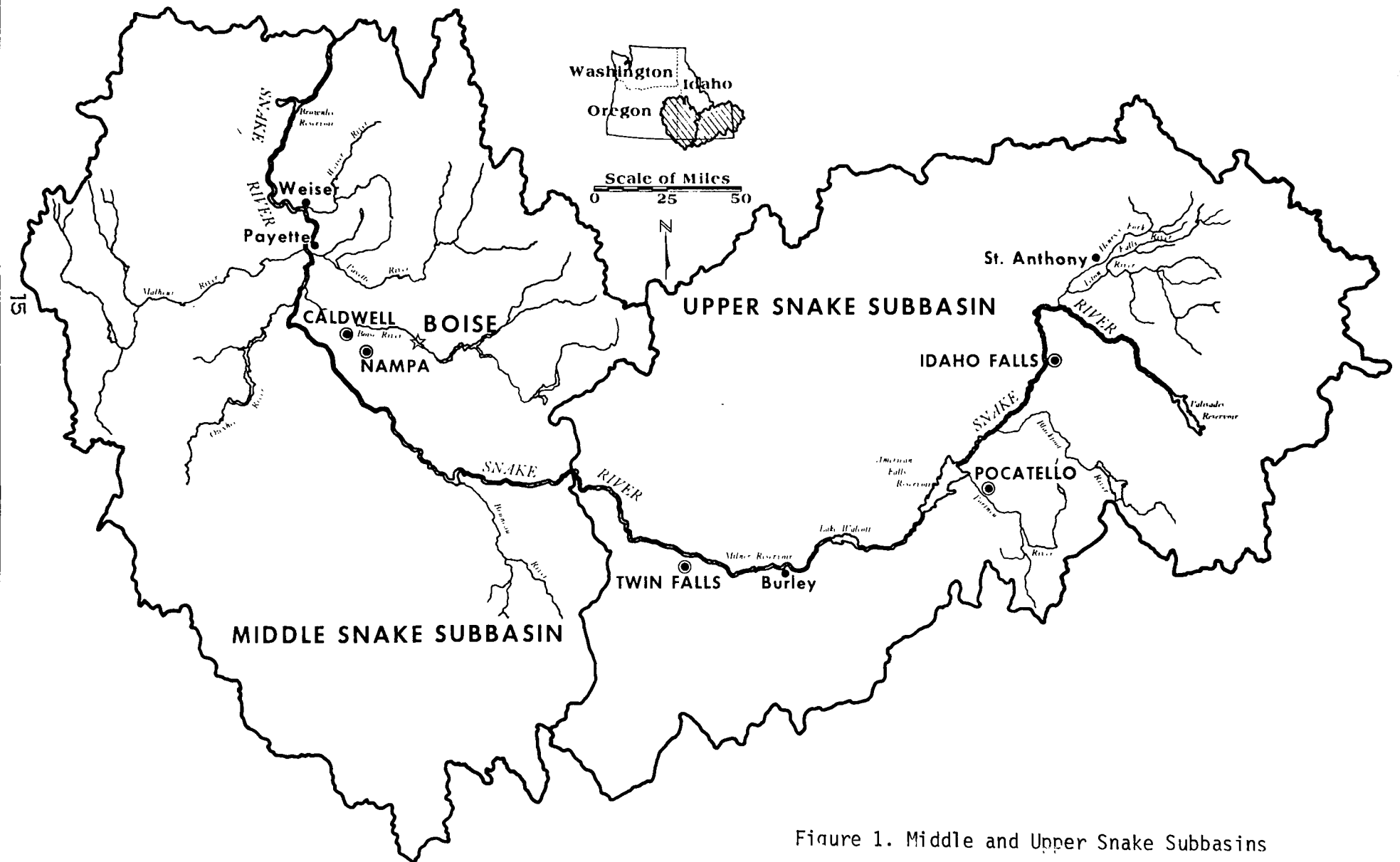


Figure 1. Middle and Upper Snake Subbasins

BASIN DESCRIPTION

The headwaters of the Snake River are located in Yellowstone National Park. In Wyoming, the river is augmented by inflows from the Buffalo Fork, Gros Ventre, Hoback, Greys and Salt Rivers. Entering the Snake River Valley near Idaho Falls, the Henry's Fork joins the Snake which then begins its crescent-shaped course through the southern part of Idaho. Throughout much of its course in the upper valley, the river approximately parallels the southern edge of lava flows which cover a large portion of the Snake River Plain. The average stream gradient of the Upper Snake subregion is approximately 10 feet per mile. There are several falls along its course, the highest of which is 200-foot Shoshone Falls near Twin Falls, Idaho.

The principal contribution to stream flow in this section of the Snake is snowmelt during the spring and early summer months. Precipitation is light on the semi-arid valley floor and occurs mostly during the winter.

The greatest use of water is irrigation, though water is also used for hydroelectric power generation, municipal and industrial purposes and recreation. Irrigation began in this region over one hundred years ago, and has increased until now nearly 2 million acres are irrigated -- almost one-third of the irrigated land in the entire Columbia-North Pacific Region.

The average discharge from the Upper Snake subregion is

estimated to be 8,590 cubic feet per second (cfs). It is estimated that the average withdrawal for consumptive uses is 17,600 cfs or 205 percent of the average discharge from the subregion. Of this 17,600 cfs, approximately 99 percent is withdrawn for irrigation. The small remaining withdrawals are made primarily for municipal supplies and for self-contained industrial uses.

Primary goals of streamflow management within the subregion are sufficient supply for various users and prevention of flood-caused damage. There are nine impoundments on the main stem of the Snake River above Milner Dam and in the Henry's Fork Basin which are integrated into a system operation. Power is generated from the releases at four of the reservoirs. In general, the reservoir operation pattern is one of storage of excess natural streamflow during the winter and spring months, then release of storage to augment natural flows during the summer irrigation season. Sufficient storage capacity is now available to control the Snake River so that no excess flows will pass Milner Dam.

The basins and plains are underlaid chiefly by alluvial deposits and younger basaltic volcanic rocks. Precipitation is generally less than 10 inches per year and recharge of the Snake Plain aquifer from precipitation is minor. Most of the recharge is by infiltration of surface runoff generated on per-

ipheral mountains and highlands. Prior to extensive irrigation, recharge was mainly from influent seepage from short creeks terminating in the alluvium at the base of mountains and from the Snake River, Teton River and Henry's Fork. After settlement of the area, seepage from irrigation became a very important source of recharge to the Snake River Plain and peripheral basins. Leakage from hundreds of canals and farm laterals and seepage from irrigation farms have greatly augmented flow into the underlying aquifers. The aquifers underlying all peripheral basins, except those basins downstream from Milner Dam on the south side of the Snake River discharge into the Snake Plain aquifer; much of the surface discharge from the same basins also becomes recharge to the aquifer. Discharge from the Snake Plain aquifer is into the Snake River in two reaches; the American Falls Reservoir reach and the Hagerman Valley reach. During the decade 1951-1960 the aquifer discharged an average of about 2,000 and 6,500 cfs into the respective reaches. All of the water discharging into the American Falls Reservoir reach is rediverted for irrigation and constitutes a portion of the 6,500 cfs discharging in the Hagerman Valley reach.

The average annual discharge of the Middle Snake subregion is 16,338 cfs. This shows an increase of 7,748 cfs within the subregion. There is an average annual withdrawal of 8,410 cfs of which approximately 97 percent is used for irrigation. The flows discharged from this subregion are largely controlled through the operation of Brownlee Reservoir which has approximately 1 million acre-feet of active storage capacity. Recharge in the

valleys and basins is partly from lateral groundwater inflows and precipitation, but chiefly from irrigation. Surface inflow within the subregion is comprised mainly of the Boise, Payette, Weiser, Owhyee and Malheur Rivers. The contribution from groundwater to the Snake River is minimal. The tributary streams east of the Snake River provide the major runoff volume within the subregion due to the larger amounts of mountainous terrain and greater snow accumulation in their drainage basins.

METHODS:

The 22 stations on the Snake River and its tributaries from Heise (downstream from Palisades Reservoir), River Mile (R.M.) 858, to below Brownlee Dam, R.M. 285, were sampled bi-weekly from June through February and for the remainder of the year monthly samples were taken.

Flow measurements at most stations were obtained by recording the stage height at the time of sampling which was then converted into flow rates through the use of current rating tables provided by contract with the U.S.G.S. Flow measurements from the reservoirs were obtained from daily mean flow records provided by the particular regulating agency of the dam.

Field measurements for Dissolved Oxygen were made by the modified Winkler Azide method. The pH and conductivity analysis were made on site using calibrated meters. Alkalinity was determined by titration with a standard solution of H_2SO_4 to the two equivalence points indicated by color change. Nutrient determinations for NO_2 , NO_3 , total phosphorus and ortho-phosphorus were conducted in the Seattle Regional Laboratory on a Technician Autoanalyzer. Total kjeldahl determinations were made using standard techniques. Samples were preserved in the field with a 1:1 H_2SO_4 solution, iced, and shipped by air to the laboratory at the end of each sampling day. Organic Nitrogen is determined by subtracting ammonia determinations from total Kjeldahl determinations.

Heavy metal samples were preserved with 25 ml/l HNO_3 and analyzed at the laboratory by atomic absorption spectrophotometry.

Phytoplankton chlorophyll a determinations in each reservoir were obtained by filtering 100 ml samples on a 0.045 micron millipore filter and immediate freezing with dry ice, then shipping them to the laboratory for spectrophotometric analysis. Periphyton chlorophyll a in flowing waters was collected by exposing artificial substrates (glass microscope slides mounted in partially submerged wood frames). The slides were removed from the frames at each visit to the sites, preserved, shipped and analyzed in the same method as the phytoplankton chlorophyll a.

Pesticide samples were obtained for two periods during the study on both whole water and sediment at each station. The sampling was conducted during low flow in the fall and immediately following high flows in the spring. Whole water samples were taken in glass jars with teflon lids and preserved with 2 ml of acetone. They were shipped to the lab and analyzed using a gas chromatograph equipped with an electron capture detector. Some conformations were run using a GC Mass Spectrometer.

A "mass balance" technique was employed to determine how the reservoirs influenced water quality. This procedure views the reservoir as a total system and considers only the inflow and outflow. By running a mass balance one can determine whether

a certain reach or reservoir acts as a "sink", a "source", or a "flow-through-system". If the reach acts as a "source" then more nutrients are leaving the reach than are known to enter it. When a reservoir acted as a "source" the percentage difference between the amount of nutrients going out compared with that coming in was given as a "percent increase". If the reach acts as a "sink" then fewer nutrients are leaving the reach than were known to flow in. When a reservoir acted as a "sink" the percentage difference between the amount of nutrients coming in compared to that going out was given as a "percent reduction". The bi-weekly loadings or amount of nutrients determined during a single month were averaged together to give a mean monthly loading in lbs/day. This was then multiplied by the number of days in that particular month to give a monthly loading in pounds. If for any reason some data was missing for a particular sampling date from any of the stations being considered then that sampling date was not included in the mass balance. Therefore, because the Main Drain was frozen over for both sampling dates during the month of January no balance was performed for the whole month for the Milner Reach. This also explains the omission of the data from May, 1973.

The three time periods, Jun-Sep, Oct-Jan, Feb-May, were chosen because the reservoirs seemed to undergo three distinct phases during the one year sampling period. The first one, Jun-Sep, coincides with the irrigation season. The second time period

Oct-Jan, coincided with the low flow period and for the Milner Reach with the Amalgamated sugar processing season. The third period, Feb-May, coincided with the high flow season and also the time when only one sample per month was taken. These two factors probably resulted in a lowering of the accuracy of the mass balance during this time period.

SNAKE RIVER SUMMARY

The Snake River begins as a river of high water quality and metamorphoses into a river of high nutrient and pesticide levels and low dissolved oxygen level by the time it leaves Brownlee Dam. Total phosphorus, nitrate-nitrogen, and total Kjeldahl nitrogen increased 830, 303, and 592 percent (see Table 5).

Notable levels of BHC (hexachlorocyclohexane), were found at the upstream station at Heise; however, at the downstream station at Brownlee Dam notable levels of several pesticides (DDT, DDE, Dieldrin, and BHC) were found. The station with the highest pesticide level was the Boise River west of Parma.

An analysis for the pesticide content of fish taken from the Boise River was completed in July 1974. The fish were removed from the river at the Broadway Bridge in Boise and at the town of Notus. Results of the analysis show DDT and its metabolites DDE and DDD (DDT) present in all samples. (See Table 6) All the fish except one from the Notus area contained DDT concentrations ranging from 1.1 to 1.8 ppm. The exceptional fish had only 0.48 ppm DDT. The Boise area fish had only a fraction of the DDT concentrations noted in the Notus fish. They, again with only one exception, had DDT concentrations in the neighborhood of 0.25 ppm. The exception had only 0.05 ppm. These data indicate a substantial input of DDT into the area between Boise and Notus. Additionally, pesticides were found in the water including DDT, DDD, DDE, dieldrin, endrin, and lindane.

TABLE 5

PARAMETER	PERIOD	HEISE	ROBERTS	TILDEN	AM. FALLS	MINIDOKA	MILNER	MARSING	WEISER	BROWNLEE
T.P. (lbs/day)	Jun-Sep	3057	2620	1339	6149	3448	4609	2720	9345	3959
	Oct-Jan	86	761	893	1298	1398	1967	4865	13212	12617
	Feb-May	1492	5200	7111	6704	7586	10195	13552	22589	21229
	Weighted Annual									
	Average	1387	2179	2475	5031	4224	5635	6288	15159	11891
T.N. (lbs/day)	Jun-Sep	18171	25536	10005	44477	23641	28189	46712	79080	52814
	Oct-Jan	3162	10570	11597	14533	12650	18127	119885	113671	200973
	Feb-May	13524	29941	18861	60425	57534	57636	158929	151850	270020
	Weighted Annual									
	Average	13296	19566	18627	44734	32957	39586	105420	121590	158304
NO ₃ (lbs/day)	Jun-Sep	2604	5018	1758	9633	5027	5906	21978	20406	22837
	Oct-Jan	900	4076	4592	7422	6647	7696	83070	58938	119411
	Feb-May	7928	15515	13964	18416	13723	12744	72004	72608	134636
	Weighted Annual									
	Average	4160	6719	5953	15692	11372	12303	58476	48763	82805
T.KJEL (lbs/day)	Jun-Sep	15567	20518	8247	34741	18489	22327	24697	58764	26443
	Oct-Jan	2250	6382	6969	6994	5893	10257	36234	56106	79650
	Feb-May	6701	14257	22239	41584	43384	44892	86103	78704	126143
	Weighted Annual									
	Average	9422	12757	12608	28743	21352	27142	47551	73251	72347
FLOW (cfs)	Jun-Sep	10483	10325	3876	9489	7694	8286	6806	11772	13093
	Oct-Jan	1587	4147	3309	2403	2538	2679	13447	15887	23600
	Feb-May	8636	15531	11972	15716	15784	15226	25350	33200	46257
	Weighted Annual									
	Average	7553	8407	6193	9225	8596	8696	14555	19631	26530

TABLE 6
DDT IN BOISE RIVER
FISH SAMPLES
July 1974

Station/Sample	Date Collected	ppDDE	ppDDD	ppDDT	DDT ugm/g
Bass - Boise R. at Notus	7-25-74	0.287	0.067	0.131	0.485
Bass - Boise R. at B.Br	7-23-74	0.237	0.018	0.010	0.265
Squawfish - Boise R. at Notus	7-25-74	1.091	0.217	-	1.308
Channel catfish Boise R. at Notus	7-25-74	0.665	0.283	0.270	1.218
Chizelmouth fish Boise R. at Notus	7-25-74	0.835	0.295	-	1.130
Whitefish at Broadway Br. Boise R.	7-23-74	0.133	0.022	0.057	0.212
Suckers - Boise R. at Notus	7-25-74	0.943	0.629	0.230	1.802
Carp - Boise R. at Notus	7-25-74	1.017	0.260	-	1.277
Suckers - Boise R. at Broadway Br.	7-23-74	0.050	-	-	0.050

There are four locations along the Snake where major increases in the nutrient content of the water have been located. These are the reach between Tilden Bridge and the American Falls dam, the Marsing station, the Weiser station and the Brownlee Reservoir. Of these, the greatest total increases were found at the first location. Here, total phosphorus increased by 140%, nitrate-nitrogen by 179% and total kjeldahl by 150% while the flow increased only 51%. The source of the nitrate-nitrogen is the groundwater flowing into the American Falls Reservoir. The Portneuf River is the main source of the increase in total phosphorus and total kjeldahl.

The largest increase in nitrate-nitrogen alone was found at Marsing. Here, it increased 351% with no real increase in total kjeldahl. The source of this nitrate is probably the groundwater flowing into the Snake above Marsing in the Thousand Springs area.

An increase of 135% of the total phosphorus at Weiser rivals the largest total phosphorus increase at the Tilden Bridge - American Falls reach. There is no significant increase in total nitrogen here. The main sources of this phosphorus increase are the Snake tributaries between Marsing and Weiser.

An increase in nitrate-nitrogen without an accompanying increase of total kjeldahl nitrogen is found at the fourth site. Normally, this would be attributed to groundwater flowing into

the reservoir. However, since there is no appreciable inflow to Brownlee Reservoir, it may be assumed this increase comes from blue-green algae fixing nitrogen from the air in the water. This nitrogen fixation appears to occur mainly in the late fall.

All of the waters studied; reservoirs, The Snake River and its tributaries, except the Portneuf River, are classified as Class A₂ waters. The Portneuf River, from the mouth of Marsh Creek to the confluence with the Snake, is classified as a Class B water.

The State of Idaho water quality D.O. standards were violated at one time or another during the sampling period at every station with the exception of the Heise station and those in the Henry's Fork's Basin. See Appendix B for copy of applicable standards. Table 1 presents the percentage of the total samples taken in violation for each station. As can be seen from this table and figure 4, the D.O. standards are violated at Brownlee Dam throughout most of the year. The Snake, except for Brownlee and the Milner Reach during the winter, has a minimal dissolved oxygen problem. Many of the tributaries studied have D.O. problems, the Portneuf River has the largest problem. The Portneuf River also has a fecal coliform bacteria problem as do the Milner Reach and the Main Drain.

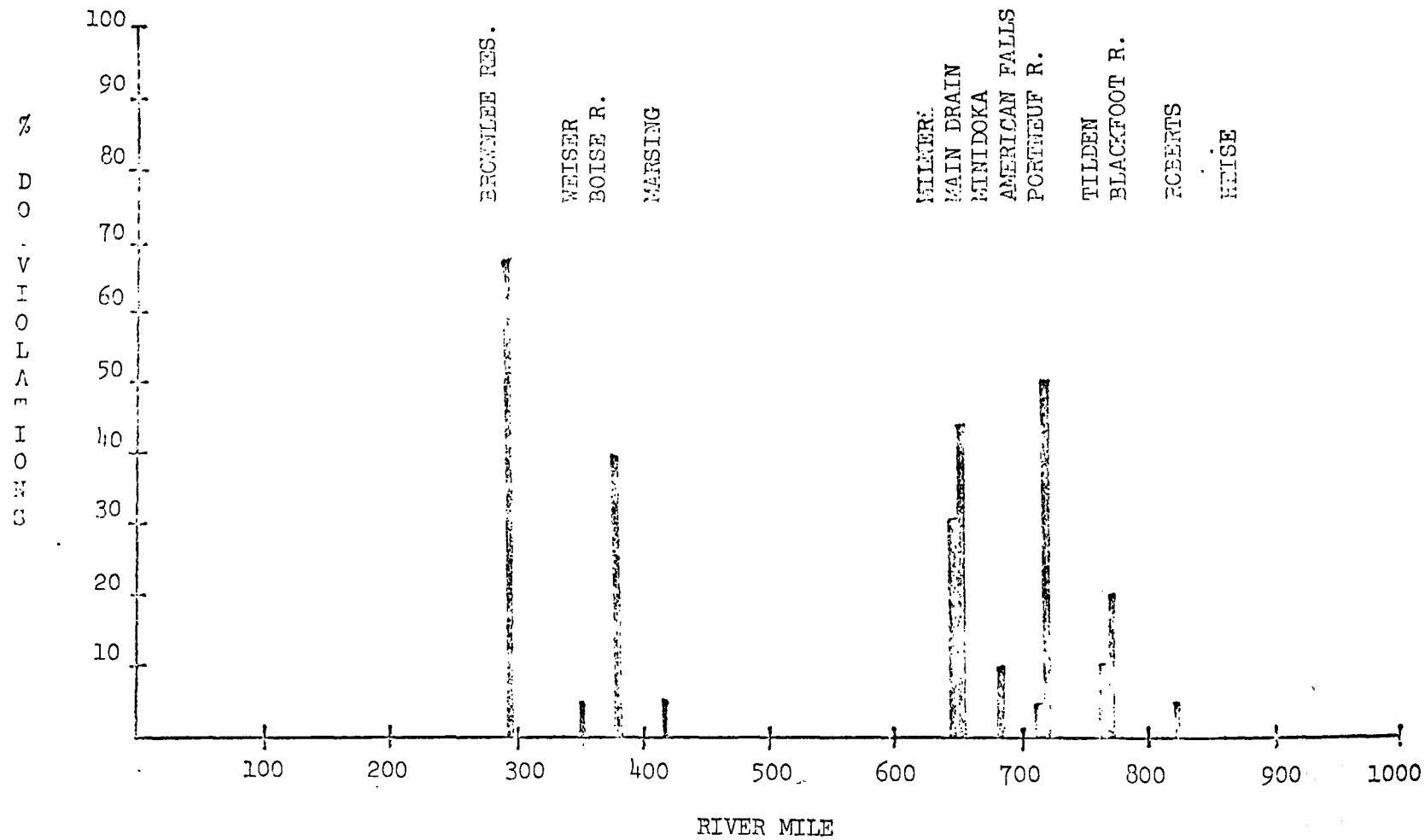


Figure 4. Percentage of samples showing D.O. violations

An overall review of the upper Snake River reveals the main problem areas: (1) American Falls Reservoir, with the Portneuf River the primary nutrient contributor: (2) Brownlee Reservoir, with the Owyee, Malheur, Boise or Weiser River, singly or in some combination improving algae growth conditions by increasing the amount of phosphorus so much that blue-green algae within Brownlee Reservoir can fix large amounts of nitrogen from the air; (3) Milner Reach, where problems occur mainly from October through January during the full industrial production period.

Other areas of interest are: (1) the Henry's Fork, which adds significant amounts of phosphorus, nitrate-nitrogen and small amounts of DDE, DDD, and BHC: (2) the spring at Rowlands Dairy, which has unusually high levels of ammonia-nitrogen, total phosphorus and dissolved ortho-phosphorus: (3) the Snake at Marsing, which has very high levels of nitrate-nitrogen which probably comes from groundwater inflow in the 1000 Springs area; (4) the Boise River, which has high levels of phosphorus, nitrogen and pesticides.

RESULTS AND DISCUSSION

American Falls Reservoir

American Falls Reservoir is a long, 23 miles, shallow, 15-30 feet, impoundment that is created by American Falls Dam. The reservoir has an active storage capacity of 1,700,000 acre-feet and its primary purposes are irrigation and power. Water is discharged from the reservoir from spillways located at the top of the dam and penstocks located at the bottom of the dam.

At the American Falls Reservoir, three sources from which nutrients could enter the reservoir were considered. Samples were taken just below the dam to determine the amount of nutrients leaving the reservoir. The three incoming sources for nutrients were the Snake River, sampled at Tilden Bridge (station 13); the Portneuf River, sampled at the Siphon Road Bridge (station 9); and groundwater sampled at a spring at Rowland's Dairy (station 10), Spring Creek at Bronco Road (station 11) and McTucker Spring (station 12). The flow for the Snake River was determined by the U.S.G.S. gauge station, Snake River near Blackfoot, which lies 0.3 miles downstream from Tilden Bridge. The bridge itself is only one half mile downstream from the Blackfoot River. The flow for the Portneuf River was determined by U.S.G.S. and by comparing the previous year's flow records. The flow from the groundwater sources is approximately 2000 cubic feet per second. This flow is considered

constant throughout the year. By the use of Water-Supply Paper 1654, Plate 4, Contours on the Water and Flow Net of the Snake Plain Aquifer, Idaho, and by personal communication with Art Larson, it was determined that two-thirds, 1333 cfs, came from the S.E. section of the reservoir. To determine the amount of nutrients that groundwater from the N.E. section of the reservoir contributed, the concentrations from sampling stations 11 and 12 were averaged together. This mean value was then used with the 1333 cfs to determine the amount of nutrients from the N.E. section. To determine the amount of nutrients coming from the S.E. section, only one station, spring at Rowland's Dairy, (Station 10) was used.

American Falls Reservoir was undergoing a severe drawdown during the summer that it was sampled. The normal operating capacity of the reservoir was reduced by two-thirds because the structural safety of the dam was in doubt. The drawdown began in mid-May and by the latter part of June, the level of the reservoir was sinking at a greater rate. The drawdown lasted until September 25, by which time the storage capacity had dropped from approximately 1,100,000 acre-feet to 43,580 acre-feet. The drawdown was so severe that when an intensive survey was done on the reservoir in late August, the length of the reservoir had in fact, diminished from 23 to 14 miles.

As can be seen from figure 5, the reservoir acts as a large sink for total phosphorus from October through June. During

the months of July, August and September, however, it functions as a source, for there is an increase in total phosphorus of 177 percent. One reason for this large total phosphorus increase could be the severe drawdown of the reservoir with resultant scouring action on the bottom of the reservoir. This scouring resulted in increased turbidity and reduced secchi disk readings of water clarity from the June twentieth reading of 52 inches to a reading of eight inches by September 25. It has also been shown that the greater the water temperature, the slower the deposition rate for phosphorus. (2) This means that phosphorus would travel farther down the reservoir before it settles out. Not only was the length of the reservoir reduced by 10 miles during this time but the temperature of the water was at its highest levels (See figure 6). Referring to table 7 below, it can be seen that the phosphorus percentage reduction varies considerably, from a reduction of 347 percent during the October through January period to an increase of 33 percent during the irrigation season. Looking at the sampling period as a whole, there is a weighted annual average reduction in total phosphorus within the reservoir. Most of this phosphorus has become part of the reservoir sediment. The majority of the phosphorus entering American Falls Reservoir is not contributed by the Snake River as might be expected (See Table 8). Although the Snake River contributed 74% of the total flow into the reservoir during the sam-

(2) Environmental Protection Agency, "Nutrient Management in the Potomac Estuary, " Chesapeake Technical Support Laboratory, p. 25.

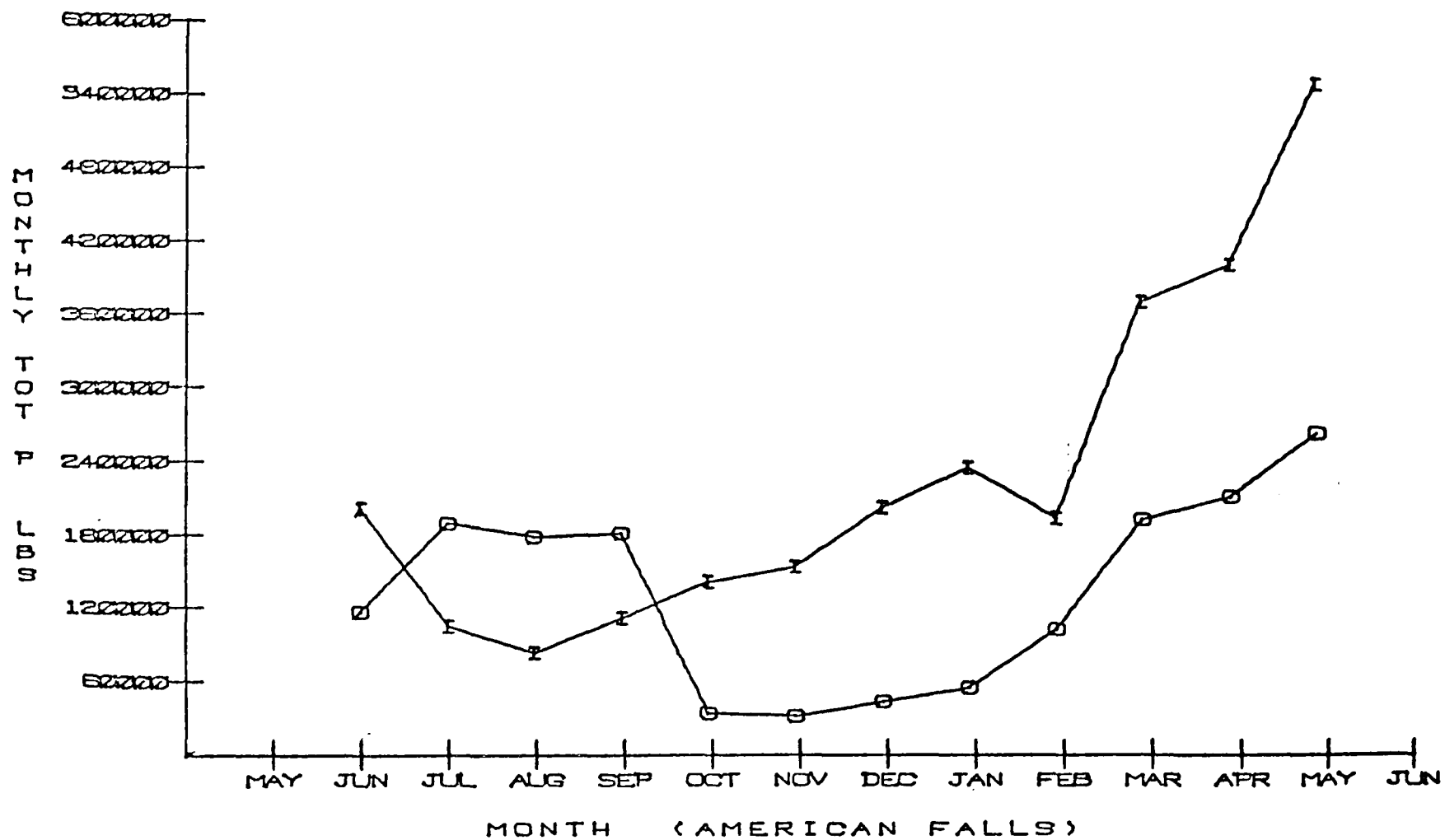


Figure 5. Monthly total phosphorus loading in pounds at American Falls Reservoir

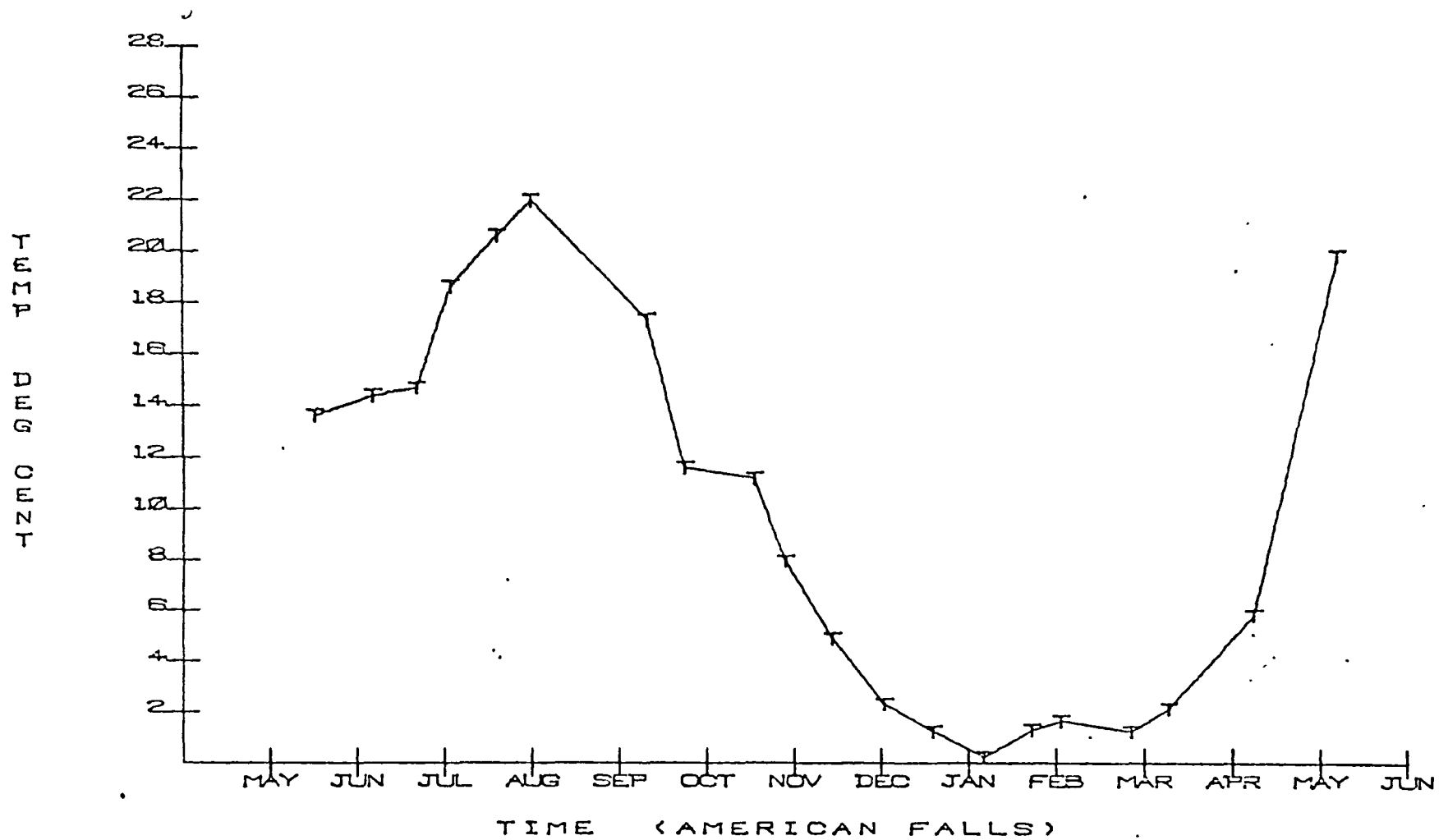


Figure 6. Temperature at American Falls Reservoir

TABLE 7

AMERICAN FALLS NUTRIENT CONTENT CHANGE

PERCENT REDUCTION*

	Total Phosphorus	Total Nitrogen	Nitrate	Ammonia
June-September	-25%	-32%	153%	-269%
October-January	347%	195%	271%	73%
February-May	97%	24%	152%	41%
** Weighted Annual				
Average	72%	22%	182%	7%

PERCENT INCREASE*

Organic Nitrogen

June-September	131%
October-January	38%
February-May	36%
Weighted Annual	
Average	56%

* Percent reduction as used here expresses the fact that there has been a reduction in the amount of nutrients between that amount entering the reservoir to that amount leaving.

Percent increase as used here indicates that the amount of nutrients leaving the reservoir was greater than the amount entering.

** Weighted Annual Average - is computed by taking the mean over the whole sampling period, June '73 - May '74, and not by taking the mean of the three separate periods.

TABLE 8

AMERICAN FALLS RESERVOIR SOURCES OF TOTAL PHOSPHORUS

AND PERCENT OF INCOMING FLOW

	<u>June-September</u>		<u>October-January</u>		<u>February-May</u>		<u>Weighted Annual Average</u>	
	<u>Total Phosphorus</u>	<u>Flow</u>	<u>Total Phosphorus</u>	<u>Flow</u>	<u>Total Phosphorus</u>	<u>Flow</u>	<u>Total Phosphorus</u>	<u>Flow</u>
Snake River	33%	65%	15%	72%	51%	79%	37%	74%
Portneuf	27%	6%	40%	7%	17%	6%	26%	6%
Ground Water	40%	29%	45%	21%	32%	15%	37%	20%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%
S.E. Springs	33%	10%	40%	7%	25%	5%	31%	7%
N.E. Springs	7%	19%	5%	14%	7%	10%	6%	13%

pling period, June '73 - May '74, it contributed only 37% of the phosphorus entering the reservoir during the same period (See Table 8). The combined contribution of the Portneuf River and the groundwater coming from the south eastern, Pocatello area of the reservoir was 57% of the total phosphorus with only 13% of the total flow. The period of greatest contribution from these two sources was October through January. During this period they each contributed 40 percent of all the phosphorus and when combined, only 14 percent of the total flow. It is unusual for groundwater to be as high in phosphorus as was found at station 10. The spring also had high ammonia levels but only traces of organic nitrogen. It seems likely that the ground water in this area is being contaminated from the Food & Manufacturing Corporation (F.M.C.) and the J.R. Simplot phosphate reduction and fertilizer plants which are located just one half mile from the Rowland's Dairy spring. The phosphorus may come from either plant, the ammonia comes from the J.R. Simplot plant where natural gas and steam are used to form ammonia.

It can be seen from Table 8 that the Snake River's greatest contribution of phosphorus was during the high flow months of February through May and that its smallest percent contribution was during the flow months of October through January.

American Falls Reservoir acts as an even larger sink for nitrate-nitrogen (See Figure 6). By the end of the sampling period there was a reduction of 6,703,491 pounds of nitrate-nitrogen within the reservoir. It appears that over half of this nitrate-nitrogen was changed into organic nitrogen compounds associated with biological activity. This explains the weighted annual average percent increase of 56 percent of organic nitrogen. The periods of greatest biological activity were during the months of March, May, July, and August. By comparing the monthly ammonia mass balance graph, Figure 7 with the organic nitrogen graph, Figure 8, it can be seen that when the amount of organic nitrogen decreases significantly, i.e. during September and April, the amount of ammonia increases significantly. The use of the two graphs together can help one follow the cycling of these two nutrients by biological activity within the reservoir.

Most of the nitrate-nitrogen entering the reservoir comes from the groundwater which contributed a weighted annual average of 64 percent while contributing only 20 percent of the total incoming flow. (See Table 9)

Although the Portneuf River contributed only 15 percent of the weighted annual mean as compared to the Snake's 21 percent, it contributes only 6 percent of the total flow while the Snake River contributes 74 percent.

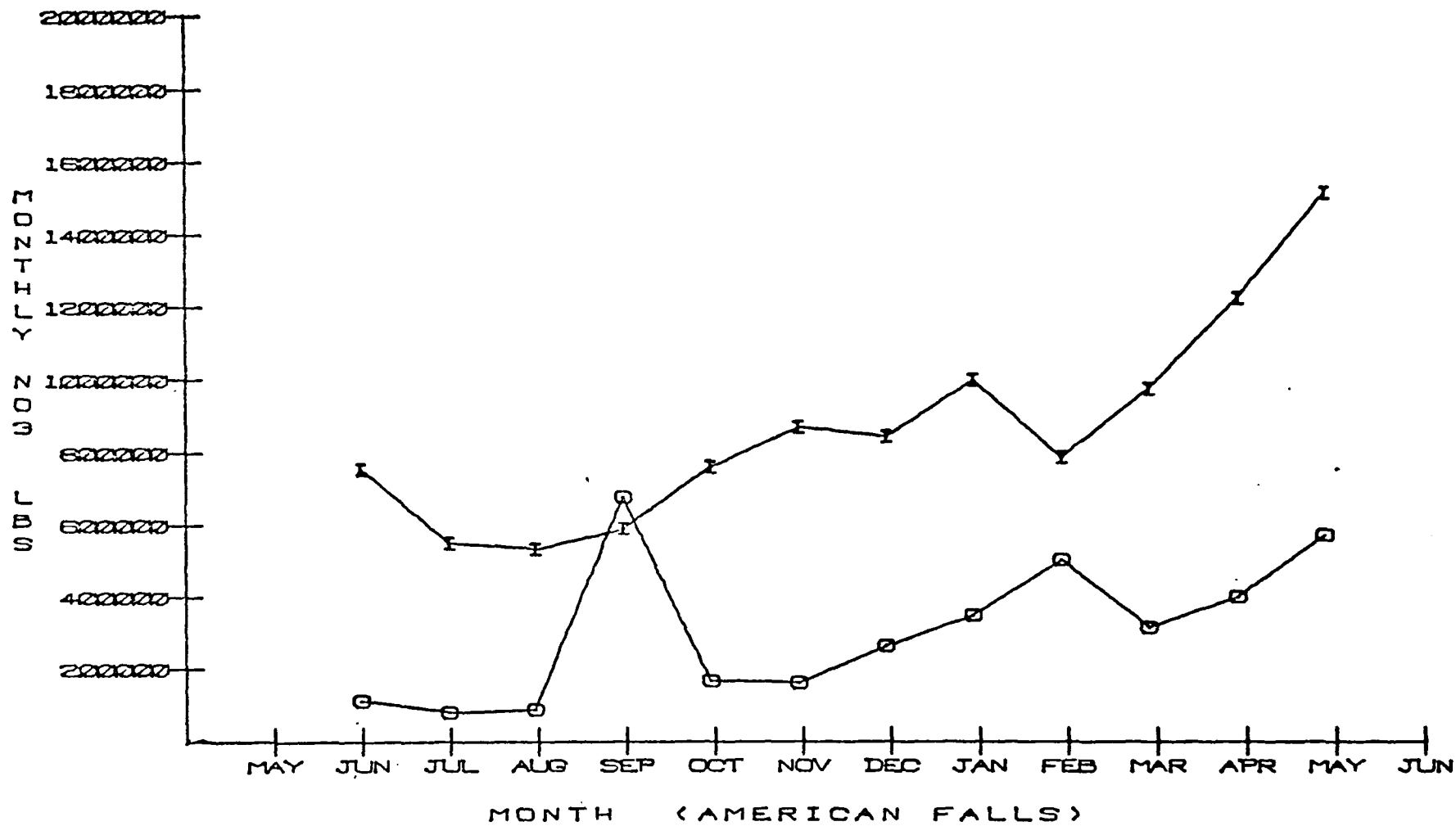


Figure 7. Monthly nitrate loading in pounds at American Falls Reservoir

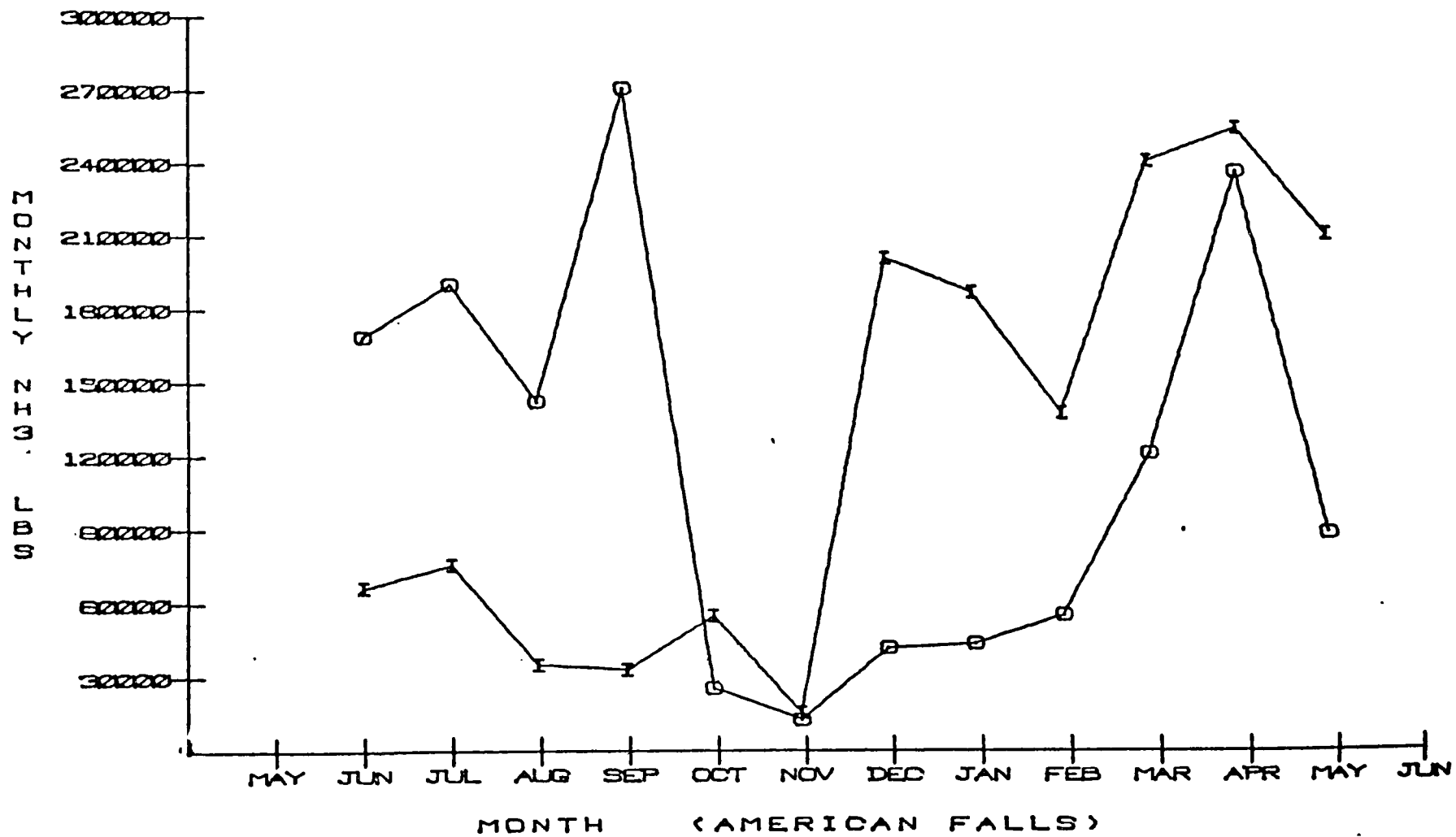


Figure 8. Monthly ammonia loading in pounds at American Falls Reservoir

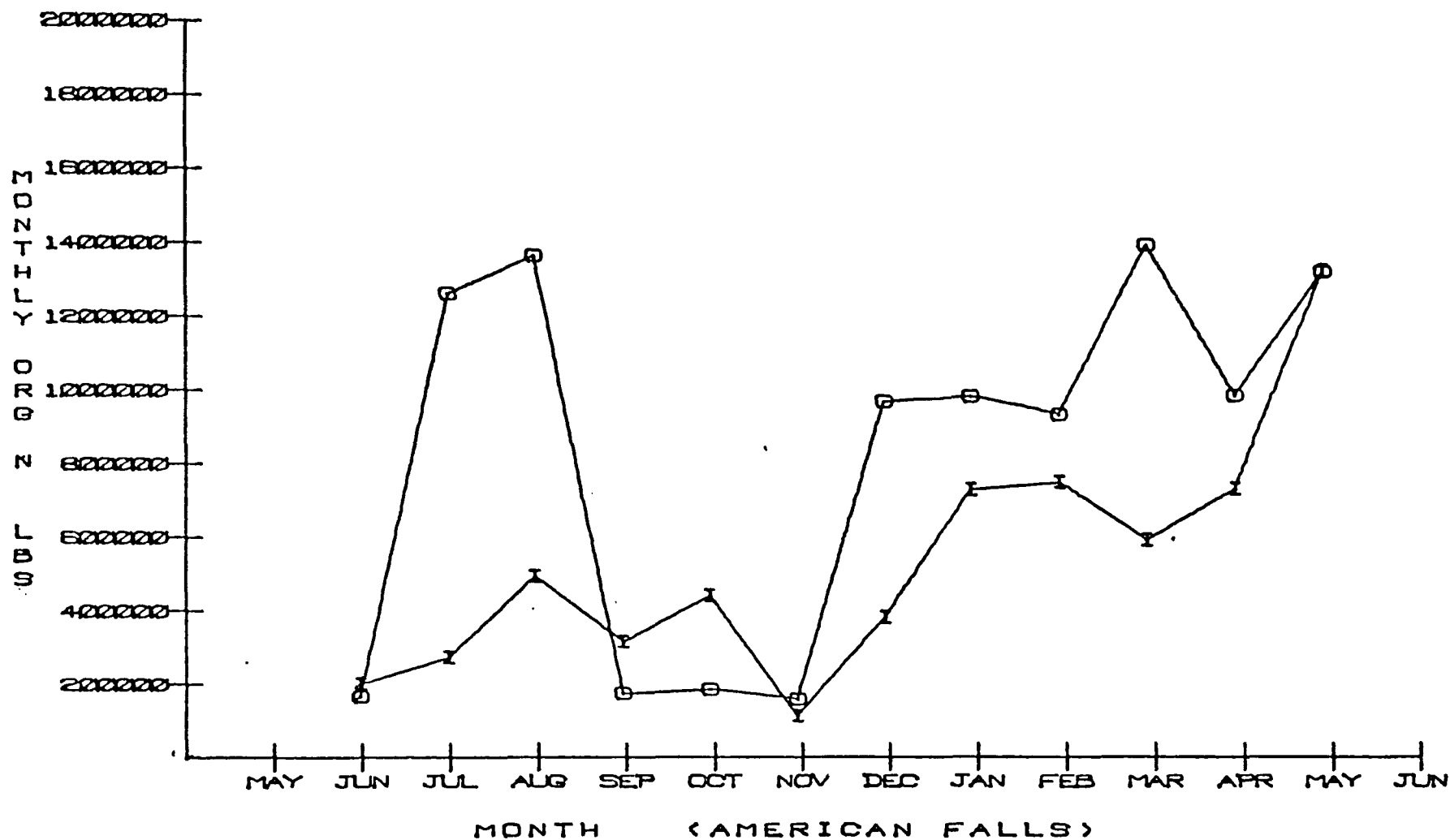


Figure 9. Monthly organic nitrogen loading in pounds at American Falls Reservoir

TABLE 9
AMERICAN FALLS RESERVOIR SOURCES OF NITRATE AND PERCENT
OF INCOMING FLOW

	<u>June-September</u>		<u>October-January</u>		<u>February-May</u>		<u>Weighted Annual Average</u>	
	<u>Nitrate</u>	<u>Flow</u>	<u>Nitrate</u>	<u>Flow</u>	<u>Nitrate</u>	<u>Flow</u>	<u>Nitrate</u>	<u>Flow</u>
Snake River	9%	65%	15%	72%	33%	79%	21%	74%
Portneuf River	13%	6%	19%	7%	13%	6%	15%	6%
Ground Water	78%	29%	64%	21%	54%	15%	64%	20%
46 TOTAL	100%	100%	100%	100%	100%	100%	100%	100%
S.E. Springs	31%	10%	29%	7%	28%	5%	29%	7%
N.E. Springs	47%	19%	35%	14%	26%	10%	35%	13%

MINIDOKA

Lake Walcott, which is formed by Minidoka Dam, stretches for approximately twenty-four miles and has an active storage of 95,000 acre-feet. The level of Lake Walcott is kept fairly constant as the lake is not exclusively used for irrigation and power but is also a wildlife refuge. The discharge from American Falls Reservoir (Station 8) was used to determine the amount of incoming nutrients; and the discharge below Minidoka Dam (Station 7) to determine the amount of nutrients leaving Lake Walcott. The distance between the two sampling stations is 41 miles with an elevation drop of only 200 feet or a gradient of 4.9 feet per mile. Between the American Falls and Minidoka Dam there are no significant point sources of pollution.

Lake Walcott is a buffering system for the discharge from American Falls Reservoir. It reduced the relatively large amounts of total phosphorus and ammonia-nitrogen coming from American Falls Reservoir during the irrigation season by 76 and 496 percent respectively. It reduced the large amount of nitrate-nitrogen released by American Falls Reservoir by 176 percent when it turned over in September. The Lake also reduced the amount of organic nitrogen that was discharged in August by 145 percent. When the levels of phosphorus and nitrogen discharged from the American Falls Dam are significantly reduced during the October-January period, Lake Walcott acts as a flow-through system. During this time the difference between the amount of phosphorus and nitrogen entering Lake

Walcott and the amount leaving is negligible except for nitrate-nitrogen. The difference between organic nitrogen contents of the influent and effluent waters during this period isn't very large either. It is interesting to note that both nitrate-nitrogen and ammonia-nitrogen are reduced significantly within Lake Walcott. Ammonia-nitrogen is usually either oxidized to form nitrate-nitrogen or utilized as a source of energy for biological activity and changed to organic-nitrogen. Nitrate-nitrogen is generally reduced by either denitrification to ammonia or elemental nitrogen or utilization as a source of energy for biological activity which converts it to organic nitrogen compounds. Since the increase of organic nitrogen compounds over the sampling period is only six percent, one is led to believe that a large percentage of the 29 percent of total nitrogen reduced is changed to elemental nitrogen. During the sampling period as a whole the difference between the amounts of phosphorus and organic nitrogen entering and leaving Lake Walcott is small. The weighted annual average percentage reduction of phosphorus was 17 percent and the percentage increase of organic nitrogen was just six percent with a total nitrogen reduction of 29 percent.

TABLE 10
MINIDOKA (LAKE WALCOTT)
 NUTRIENT CONTENT CHANGES

<u>PERCENT REDUCTION</u>					<u>PERCENT INCREASE</u>
	Total Phosphorus	Total Nitrogen	Nitrate	<u>Ammonia</u>	<u>ORGANIC NITROGEN</u>
June-September	76%	87%	172%	496%	~40%
October-January	-6%	13%	6%	-4%	~20%
February-May	-12%	3%	34%	84%	22%
Weighted Annual					
Average	17%	29%	59%	161%	6%

MILNER REACH

Milner Reach, as used in this report, extends along the Snake River from Milner to Minidoka Dam, a distance of 37 miles. From spillway to spillway there is an elevation difference of only 61 feet. This gives a gradient of 1.65 feet per mile. Along this reach four municipalities - Rupert, Burley, Heyburn, Paul and five industries - Ore-Ida, J.R. Simplot, Amalgamated Sugar, A&P Food, Bryant's Meat Packing Company, discharge into the Snake. The Paul sewage treatment plant and Amalgamated Sugar discharge only to the Main Drain an industrial-agricultural wasteway, while the city of Rupert's STP has an overflow discharge into the Main Drain. The Main Drain then discharges into Milner Lake. A&P Foods and Ore-Ida Foods have a variable discharge throughout the year and Amalgamated Sugar operates only in the fall and winter.

The discharge from Minidoka Dam (Station 7) and the Main Drain (Station 6) were used to compute the incoming loads and the discharge from Milner Lake (Station 5) was used to compute the outgoing loads. During the irrigation season the flow through Milner Dam was so slight, representative samples from the irrigation canals and the flow through the canals were used to compute the outgoing loads. The flow through the Main Drain was estimated at 16 cubic feet per second and considered constant throughout the year. It should be pointed out that no computations were made for the month of January because the Main Drain was frozen.

The Milner Reach was the only reservoir studied that showed increases of both phosphorus and nitrogen between the two sampling

points. The percentage increase of total phosphorus was fairly constant throughout the year varying only from 38 to 44 percent with a weighted annual average percentage increase of 39 percent. The highest percentage increase for both phosphorus and nitrogen occurred during the months of October through January. It is interesting to note that Amalgamated Sugar was operating only during those months. Amalgamated Sugar discharges into the Main Drain whose percentage contribution to the Milner Reach total phosphorus content increased from 0.6% to 5.4% during this same time span. Concurrent with the cessation of the autumn refining campaign, the percent increase of phosphorus declined to 38 percent and the percent contribution to the Milner Reach of total phosphorus by the Main Drain dropped to 0.6 percent.

The data gathered on coliform bacteria, total and fecal, from the Main Drain also correlates with the Amalgamated Sugar processing period. Fecal coliform counts went from less than ten per milliliter (ml.) in September to 8,000 per ml. in October and up to too many to count (TMT) by December. Total coliform counts acted in much the same way. They went from less than ten per ml. in September to greater than 80,000 per ml. in October. By the end of February the fecal coliforms had dropped to 300 per ml. and the total coliform to 3,800 per ml. (See Table 17).

TABLE 11

FECAL COLIFORM COUNTS AT VARIOUS STATIONS

DATE	Snake @ Tilden	Blackfoot River	Portneuf River	Milner	Main Drain
5/16/73	140	800	17,000	10K	
6/6/73	420	20	10K		10K
6/21/73	400	140	300	30	10K
7/3/73	800	210	520	10K	300
7/19/73	130	620	2,200	10K	650
8/1/73	150	620	1,600	10K	
9/11/73	600	170	180		
9/24/73			1,400	140	10K
10/18/73	250	200	10K	1,400	10K
10/29/73	30	200		800	8,000
11/15/73	290	10K	90	600	4,500
12/3/73	260	110	10K	5,000	10K
12/20/73	10K	10K	10K	100K	TMTC
1/7/74	150	100	100K	7,200	
1/24/74	260	10K	10	7,200	
2/4/74					
2/28/74	10K	10K	10K	50	300
3/11/74	240	80	80	80	440
4/11/74	40	10K	20	240	20
5/10/74	10K	10K	90	550	10K

The nitrogen levels in the Milner Reach increased more dramatically than did the phosphorus levels during the months of October through January. They ranged from a 27 percent increase to a 47 percent increase in total nitrogen. (See Table 12). Although the contribution of nitrate-nitrogen from the Main Drain decreased during these months, its percentage contributions of both ammonia-nitrogen and organic nitrogen increased. It should be remembered that the loadings from the Main Drain were used to compute part of the incoming loads of Milner Reach. Therefore, the increases of phosphorus and nitrogen come from other sources along the Milner Reach. Phosphorus is the only nutrient that has a significant increase for the sampling period since the weighted annual percent increase for total nitrogen was only nine percent, too low to be considered significant.

TABLE 12
MILNER REACH
NUTRIENT CONTENT CHANGES

PERCENT INCREASE

	<u>Total Phosphorus</u>	<u>Total Nitrogen</u>	<u>Nitrate</u>	<u>Total Kjeldahl</u>	<u>Organic Nitrogen</u>	<u>Ammonia</u>
June-September	41%	27%	38%	27%	29%	-4%
October-January	44%	44%	72%	62%	62%	65%
February-May	38%	-4%	24%	-47%	-7%	27%
Weighted Annual						
54 Average	39%	9%	39%	9%	8%	30%

PERCENT CONTRIBUTION OF MAIN DRAIN

	<u>Total Phosphorus</u>	<u>Nitrate</u>	<u>Total Kjeldahl</u>	<u>Organic Nitrogen</u>	<u>Ammonia</u>	<u>Flow</u>
June-September	0.6%	2.6%	0.4%	0.4%	1.9%	0.2%
October-January.	5.4%	1.4%	11.7%	8.9%	24.0%	0.6%
February-May	0.6%	2.6%	0.7%	0.5%	3.2%	0.1%

Brownlee Reservoir

Brownlee Reservoir varies from the other reservoirs studied because there is a decrease in total phosphorus but an increase in the amount of total nitrogen within the reservoir (See Table 13). The sampling stations used to compute the loadings for the mass balance were the Snake River at Weiser (Station 2) and below Brownlee Dam (Station 1). Brownlee Reservoir stretches from Brownlee Dam to just below Weiser. At the Weiser station a composite sample from the left side, center and right side of the river was made. This gave a more representative sample than just a single grab from one part of the river. There is a problem with determining the flows from Brownlee Dam whenever water moves over the spillway. Poor spillway calibration explains the findings which data reviews reveal: more water always leaves Brownlee Reservoir than enters it. Whenever water spilled over the dam much more water was recorded leaving the dam than was actually leaving. We could not discern the exact magnitude of the error, but from comparison of the flows at Weiser and Brownlee in Table 5, it appears to be 35%.

Although this means the mass balances are somewhat inaccurate, they still show general trends. The flow error would affect mainly the amount of unbalance in the February through May period. Therefore, with more accurate flow figures, there would be a greater percent reduction of phosphorus and a smaller

percent increase in all of the nitrogen values.

Overall Brownlee Dam acts as a small sink for phosphorus and a sizeable source for nitrogen even though there are no point sources of any significance between Weiser and Brownlee. The periods of most significance are the irrigation season and the month of October. During this time total nitrogen and phosphorus are greatly reduced while ammonia-nitrogen is greatly increased. It appears that during the month of October a large amount of nitrogen is fixed from the air, probably by blue-green algae. It is during this time that the phytoplankton chlorophyll-a concentration goes from 20.1 ug/l to 77.5 ug/l. A chlorophyll-a level of approximately 20 ug/l is considered an algal bloom. This large amount of biological activity during the irrigation season helps to account for the large reduction of phosphorus for this time and the increase in organic nitrogen overall.

TABLE 13
BROWNLEE RESERVOIR
 NUTRIENT CONTENT CHANGES

<u>PERCENT INCREASE</u>		<u>Total Nitrogen</u>	<u>Nitrate</u>	<u>Total Kjeldahl</u>	<u>Organic Nitrogen</u>	<u>Ammonia</u>
	June-September	-40%	9%	-58%	-62%	305%
	October-January	81%	145%	26%	15%	298%
	February-May	101%	115%	92%	84%	220%
57	Weighted Annual					
	Average	53%	106%	19%	11%	256%
<u>PERCENT REDUCTION</u>		<u>Total Phosphorus</u>				
	June-September	130%				
	October-January	7%				
	February-May	-2%				
	Weighted Annual					
	Average	16%				

PHYTOPLANKTON CHLOROPHYLL a (mg/L)

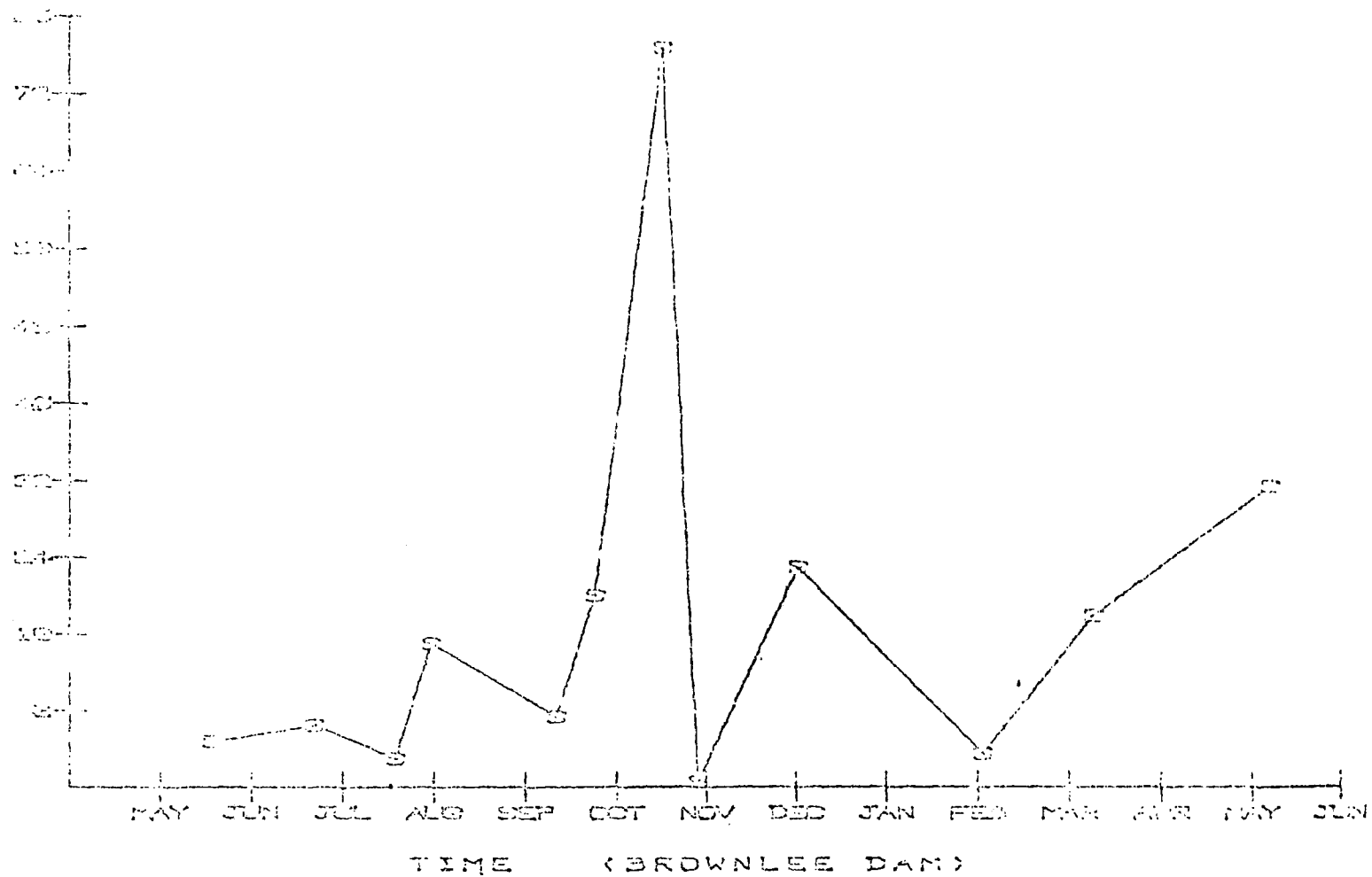


Figure 10. Phytoplankton chlorophyll a at Brownlee Reservoir

This study of the waters in the upper Snake basin has provided information about the formerly mysterious reservoirs: American Falls, Minidoka, Milner Reach and Brownlee in the area. Much has been learned about the source and fate of nitrogen and phosphorus in the basin and profiles of dissolved oxygen, pesticides and bacterial concentrations in these waters have been drawn. The monitoring system used in this study, one of large magnitude, has proved effective in monitoring the water quality of this basin. Furthermore, this survey has led to recommendations about the quality of the data obtained at each station. On the basis of this information, a plan for long term monitoring of water quality in the basin has been formulated and is recommended. The data in this report will also form a standard for comparison when more research is done on nutrient loading in the upper Snake River basin. Thus, in general, the objectives of this study have been met.

APPENDIX A

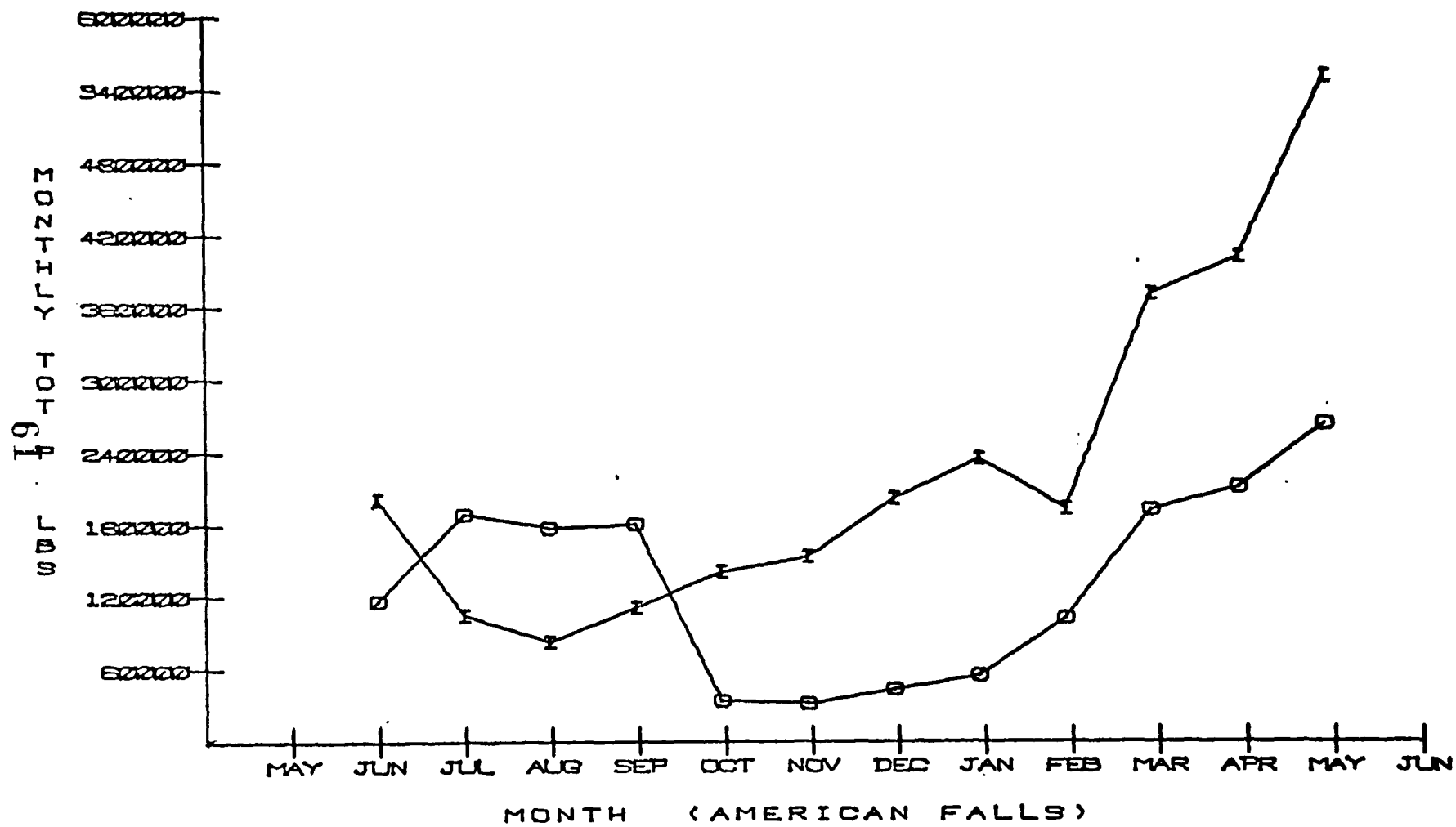


FIG. 1-A

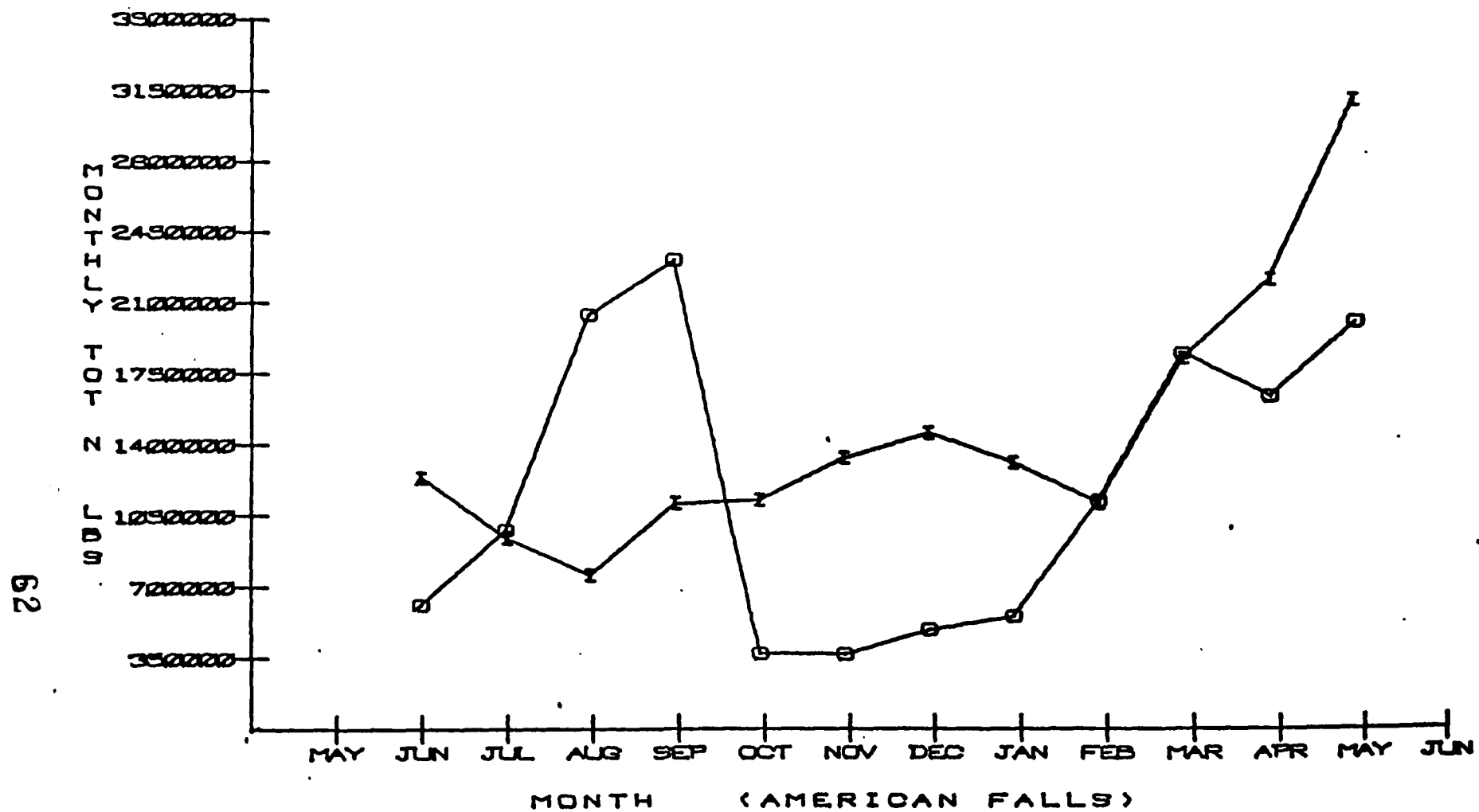


Fig. 2-A

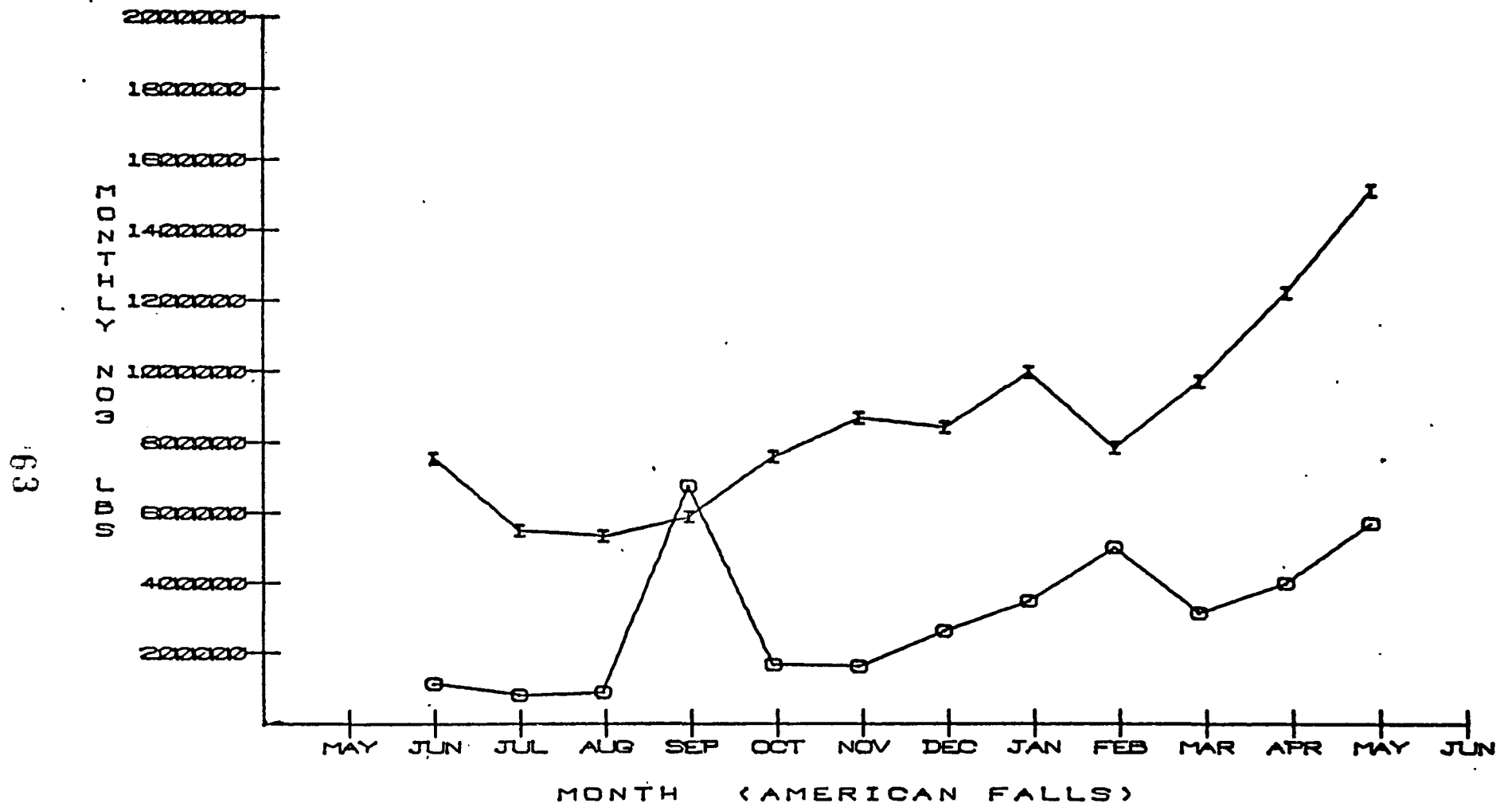


Fig. 3-A

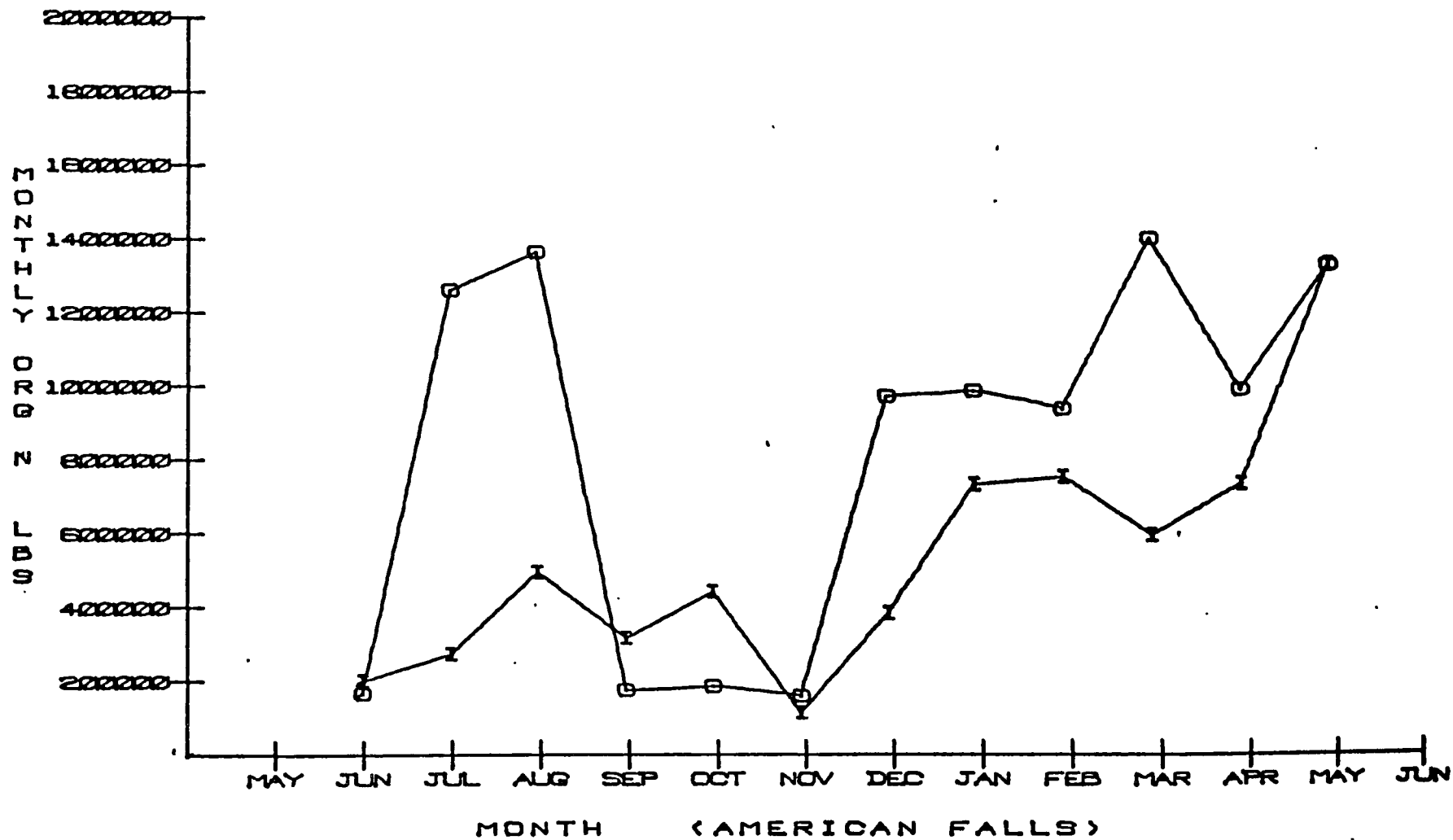


Fig 4-A

65

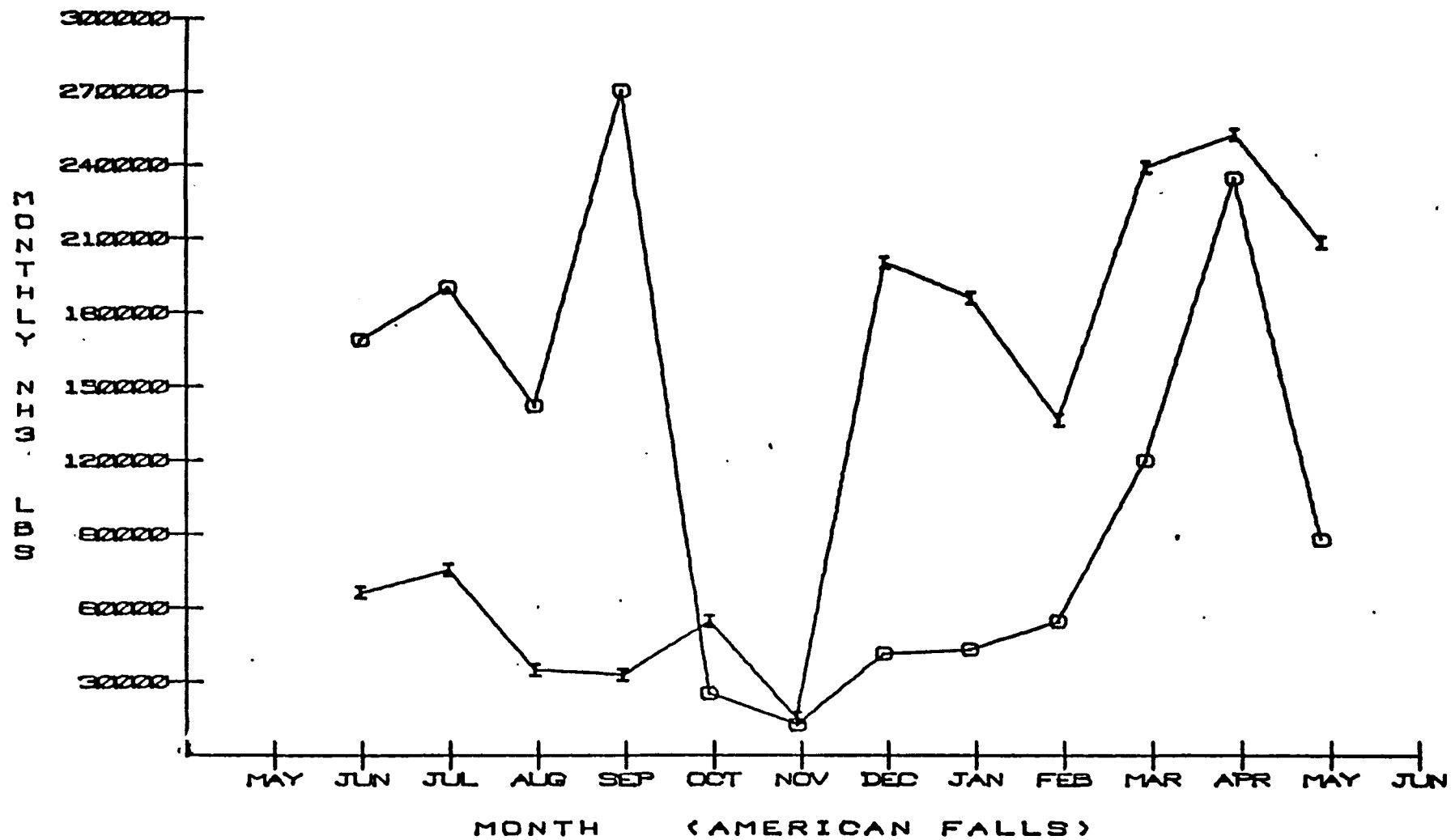


Fig. 5-A

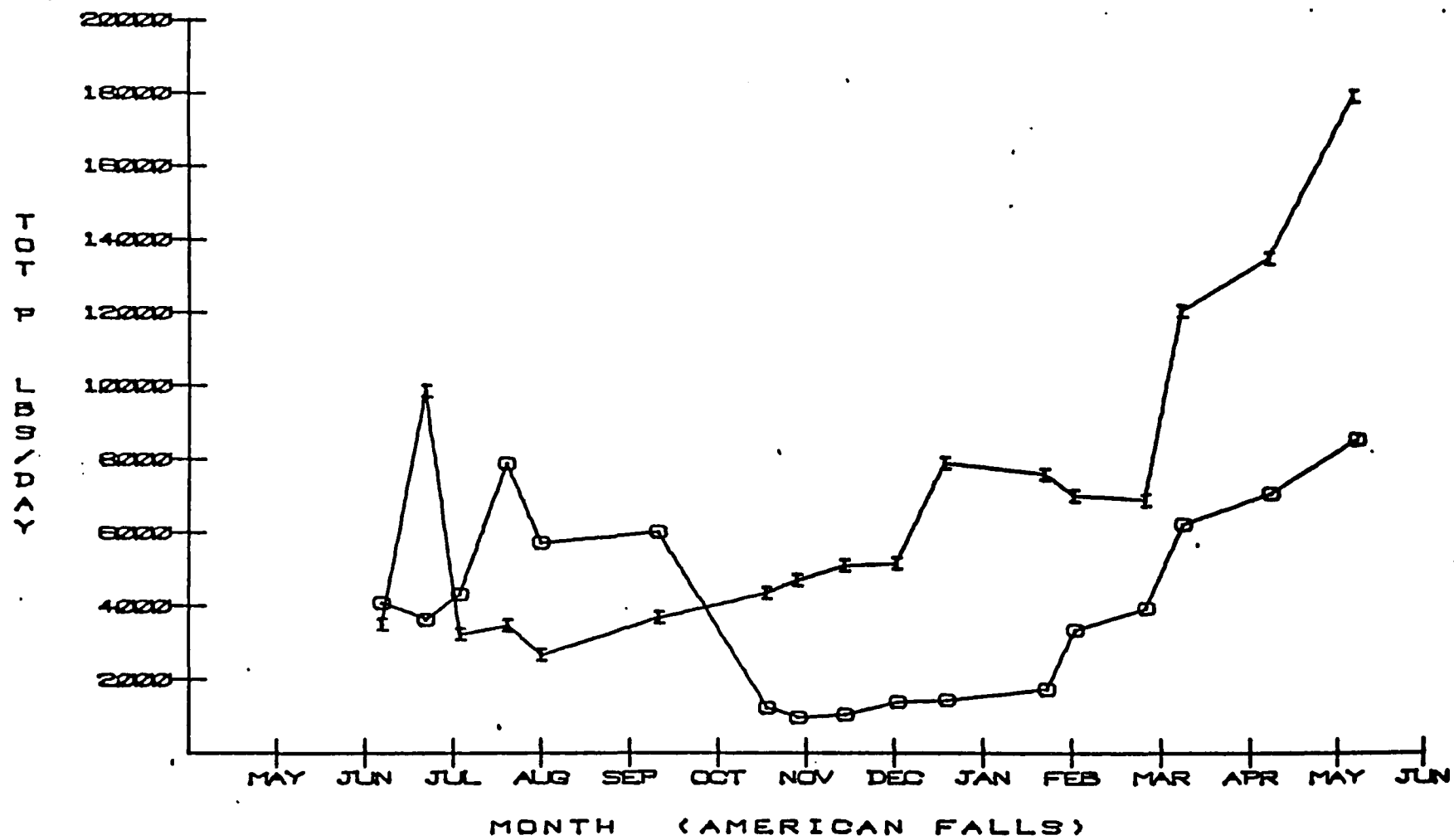


Fig. 6-A

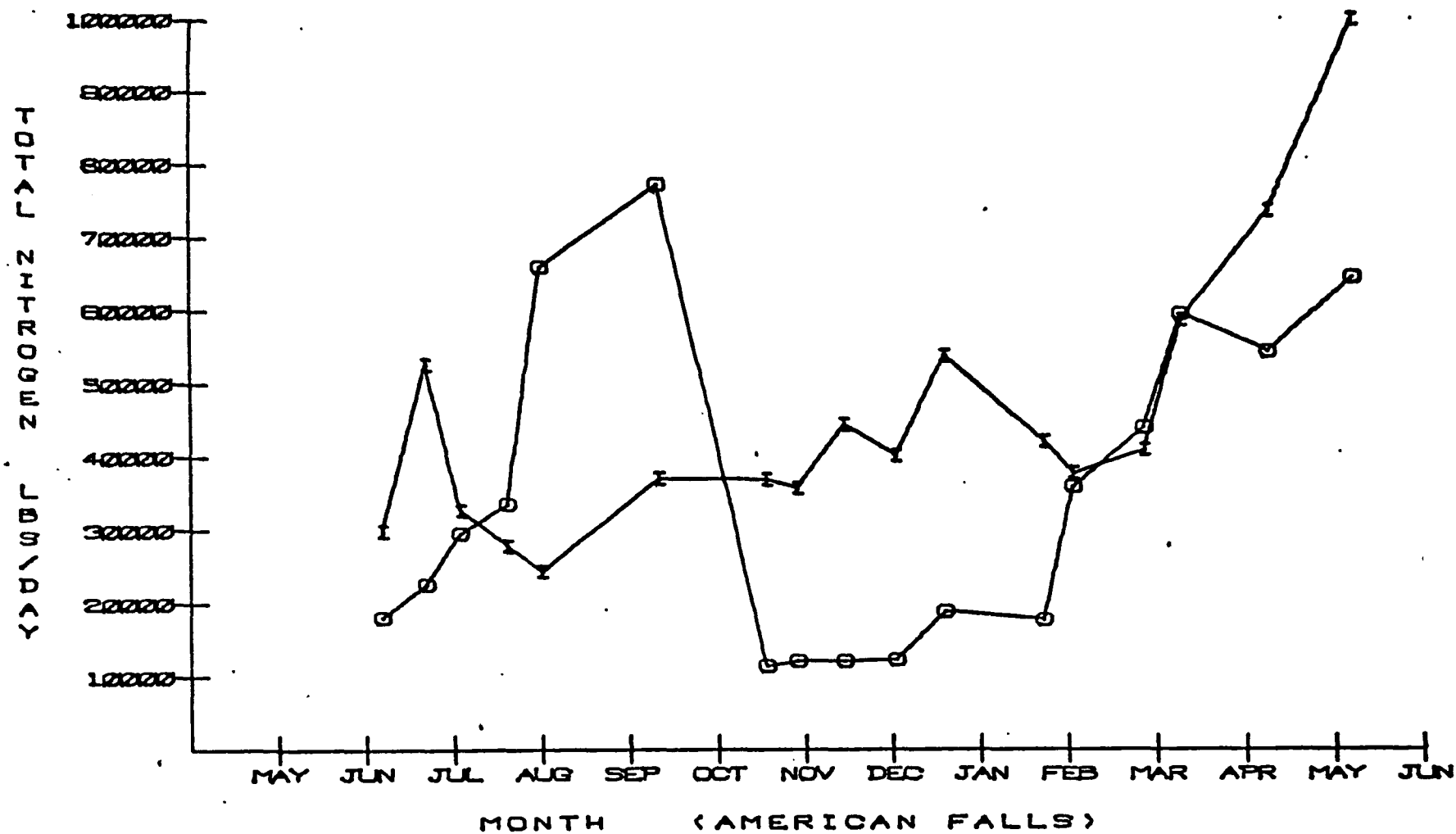


Fig 7-A

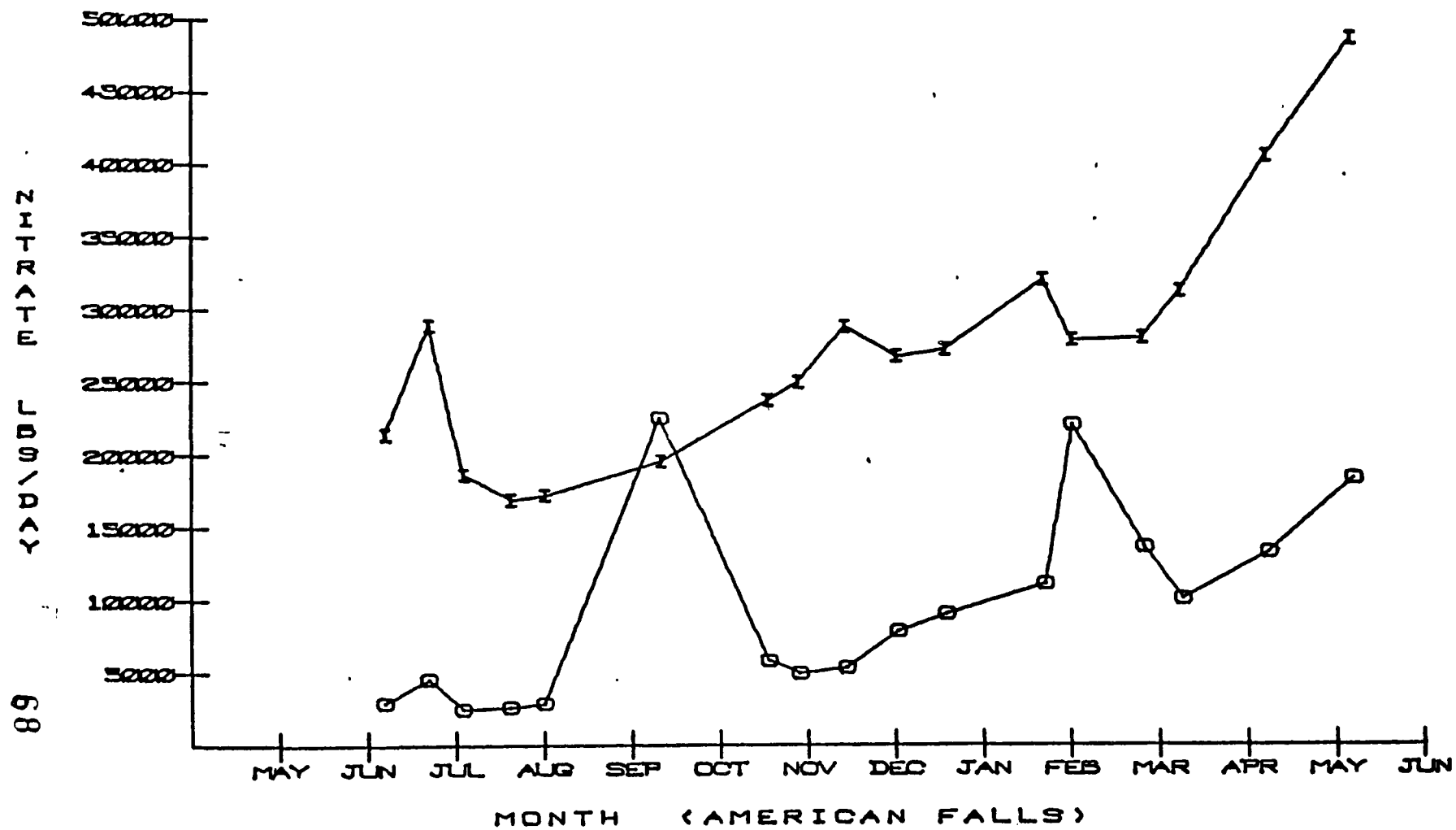


Fig. 8-A

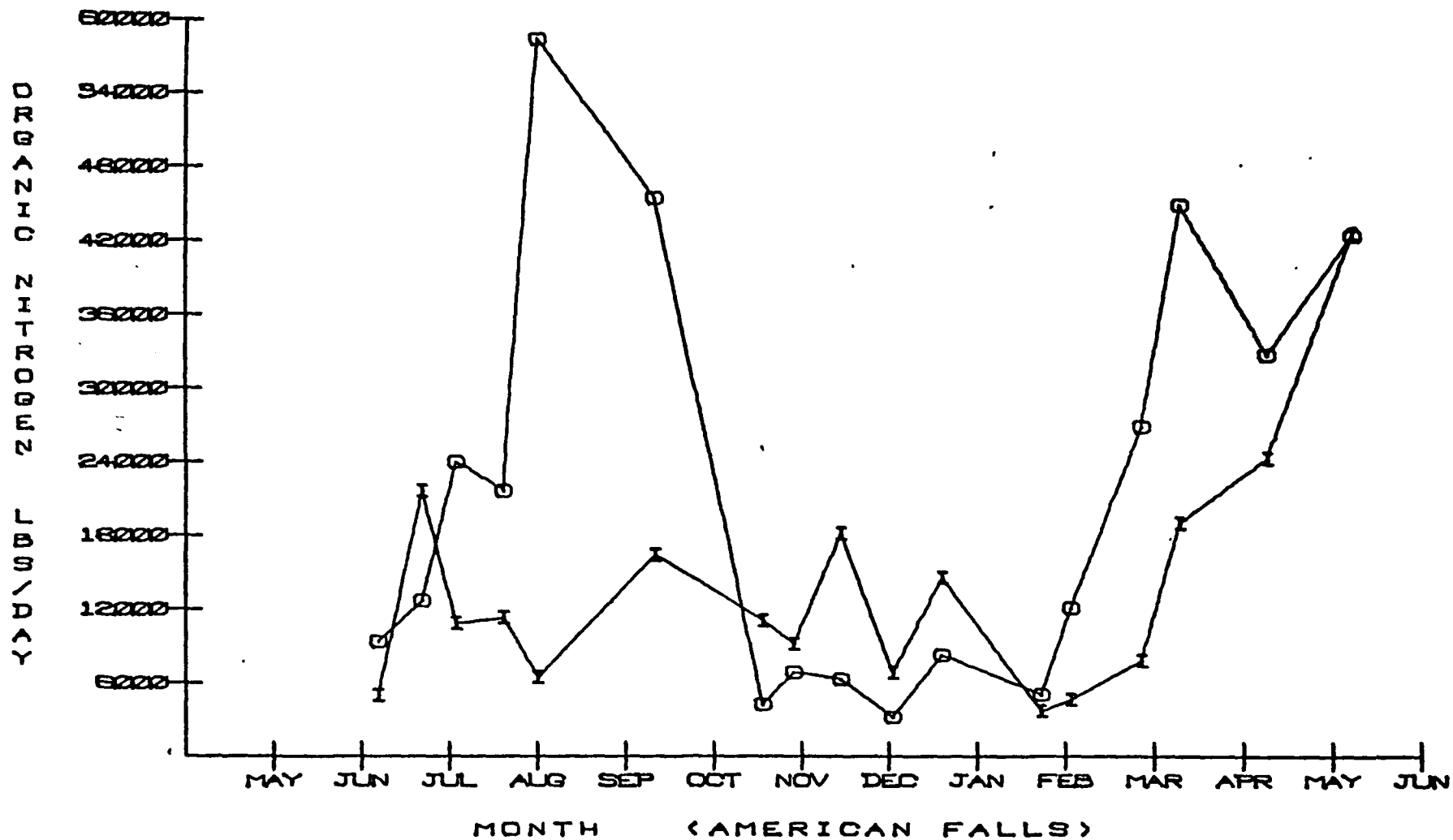


Fig. 9-A

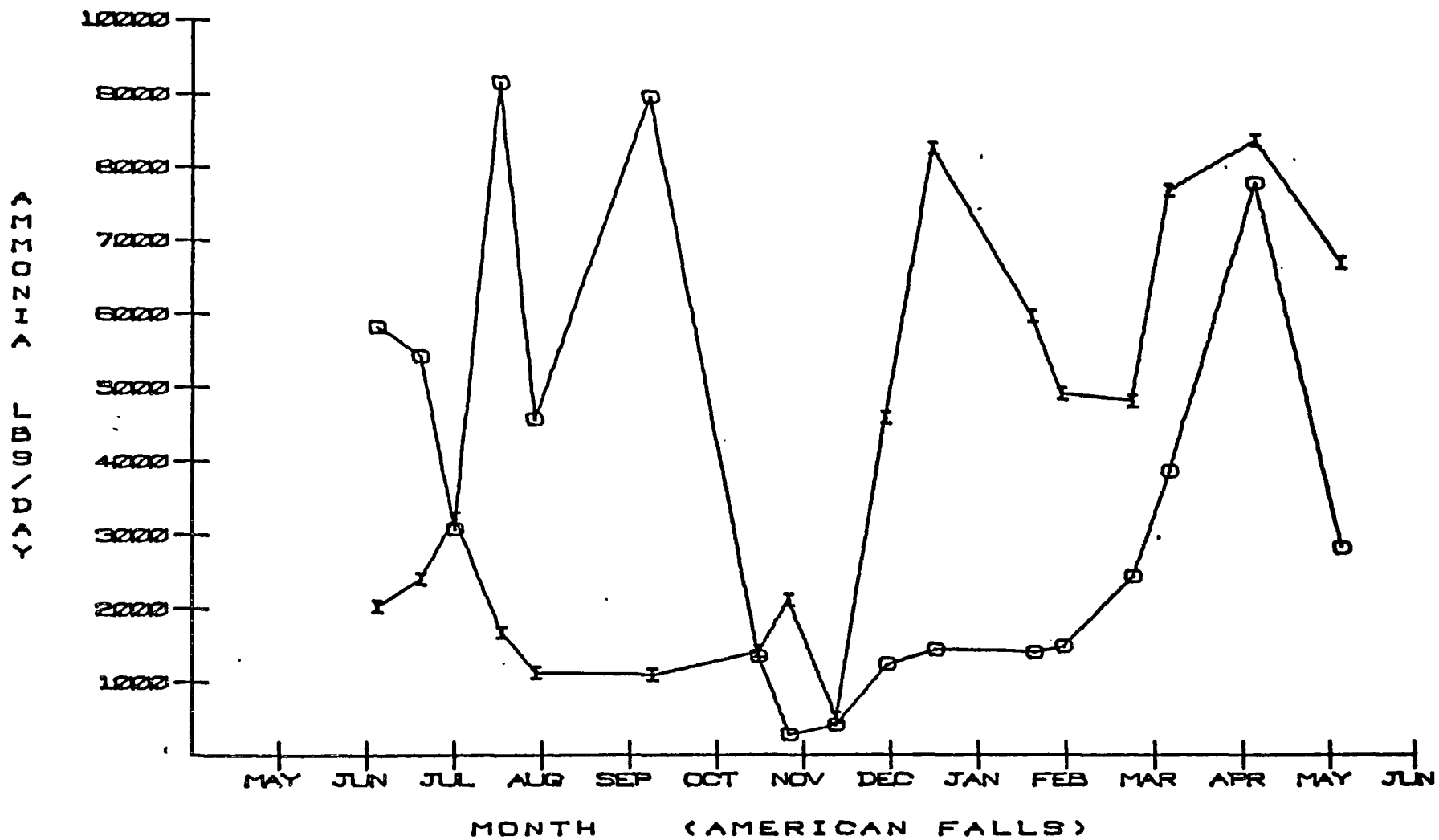


Fig. 10-A

TEMPERATURE

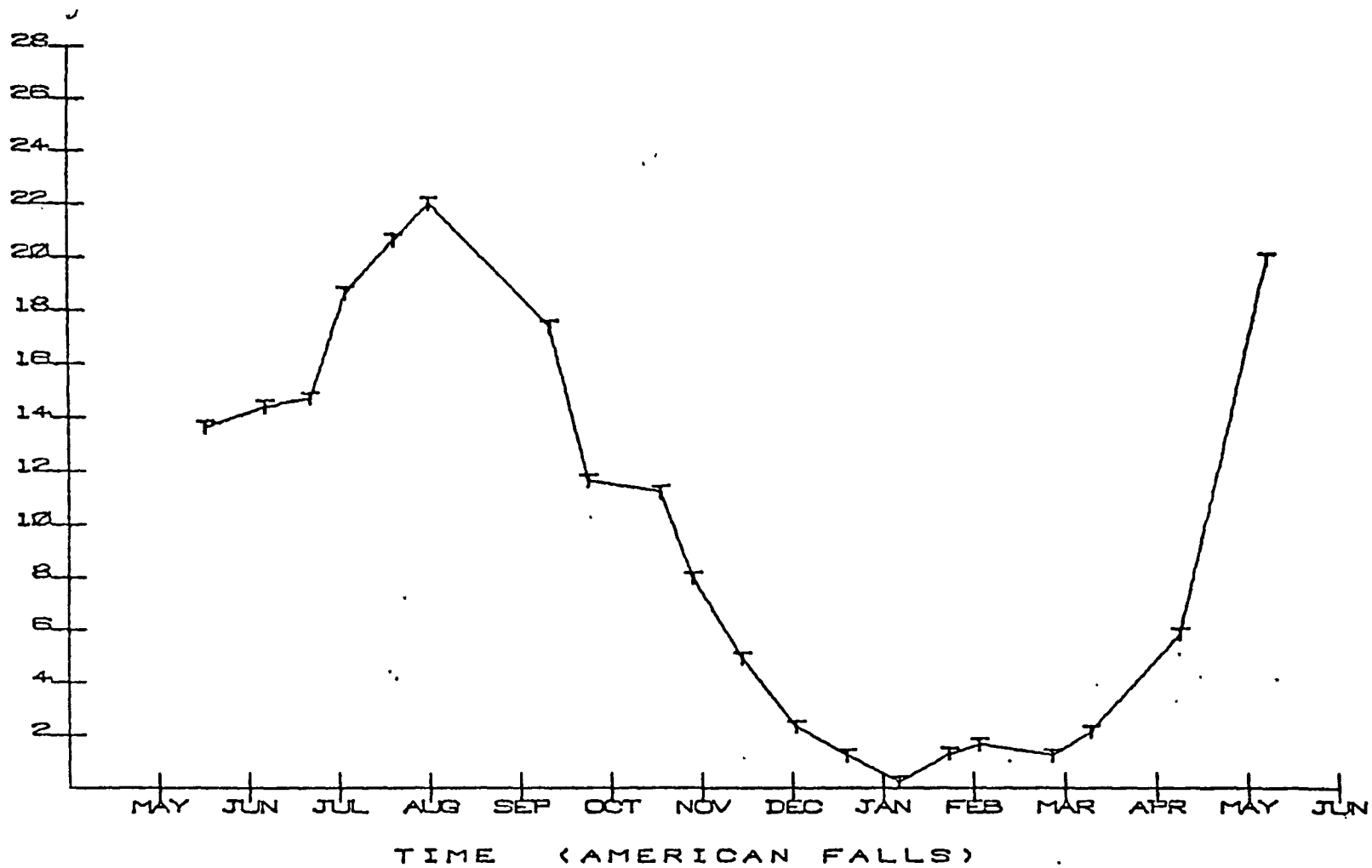


Fig. 11-A

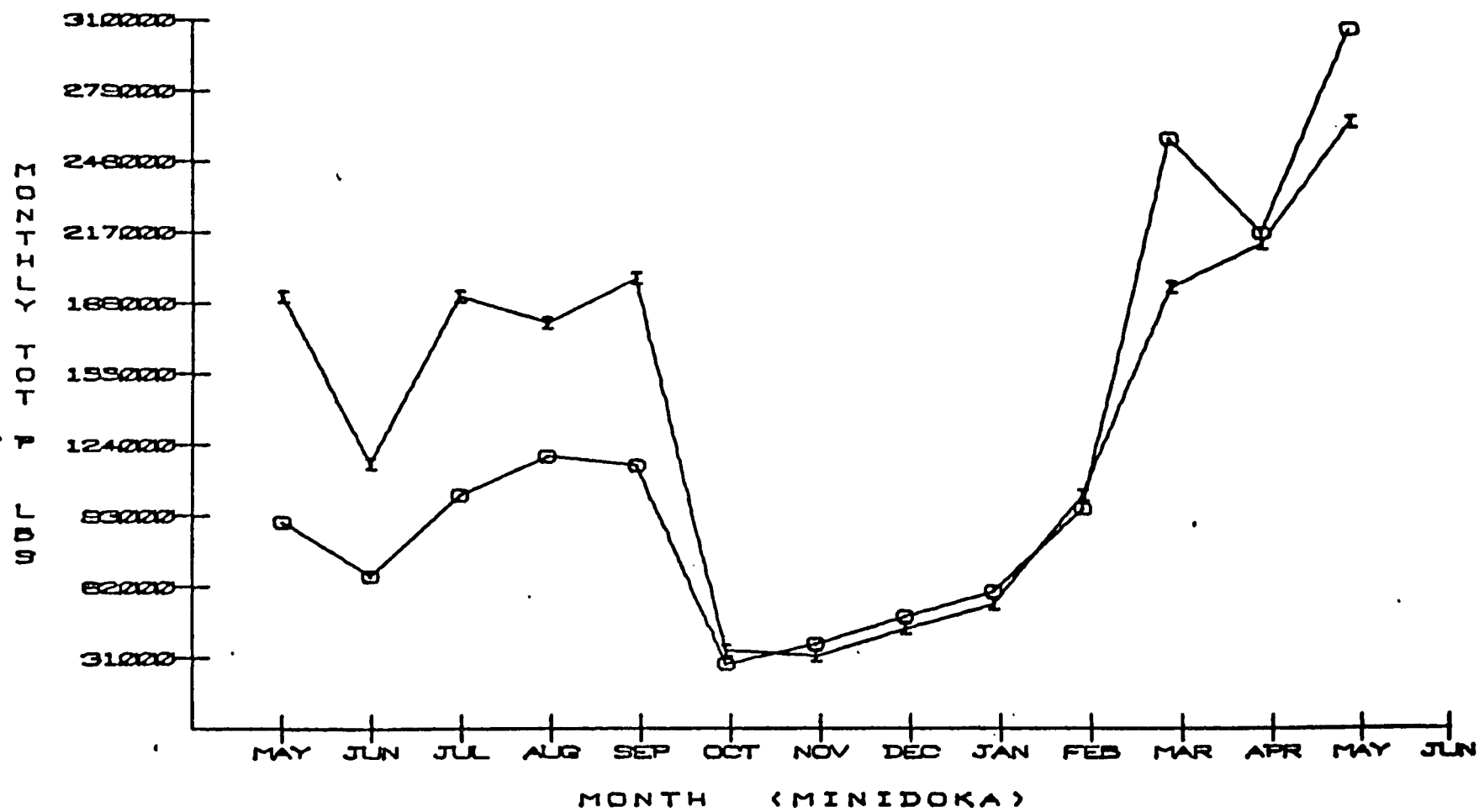


Fig. 1-B

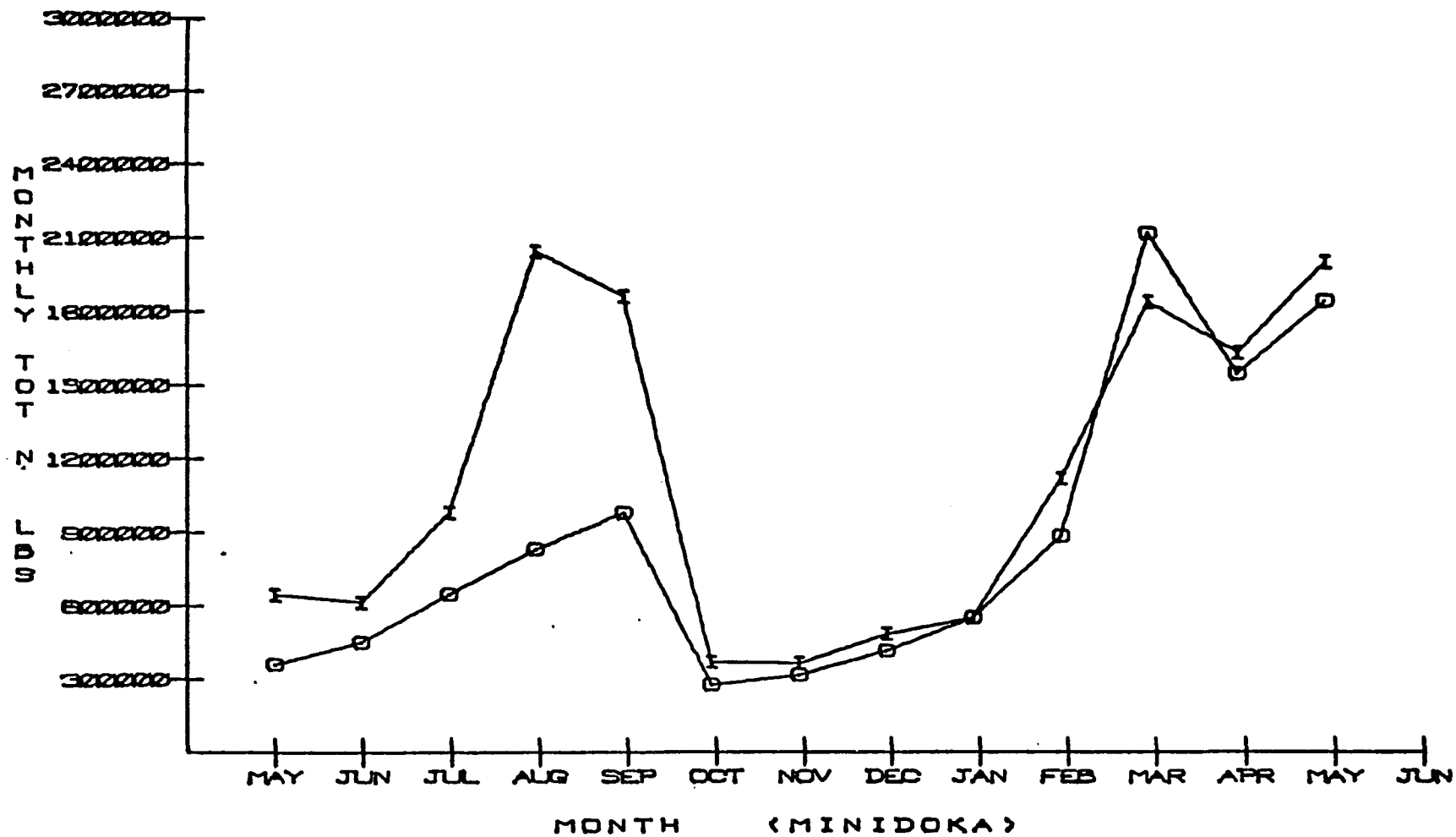


Fig. 2-B

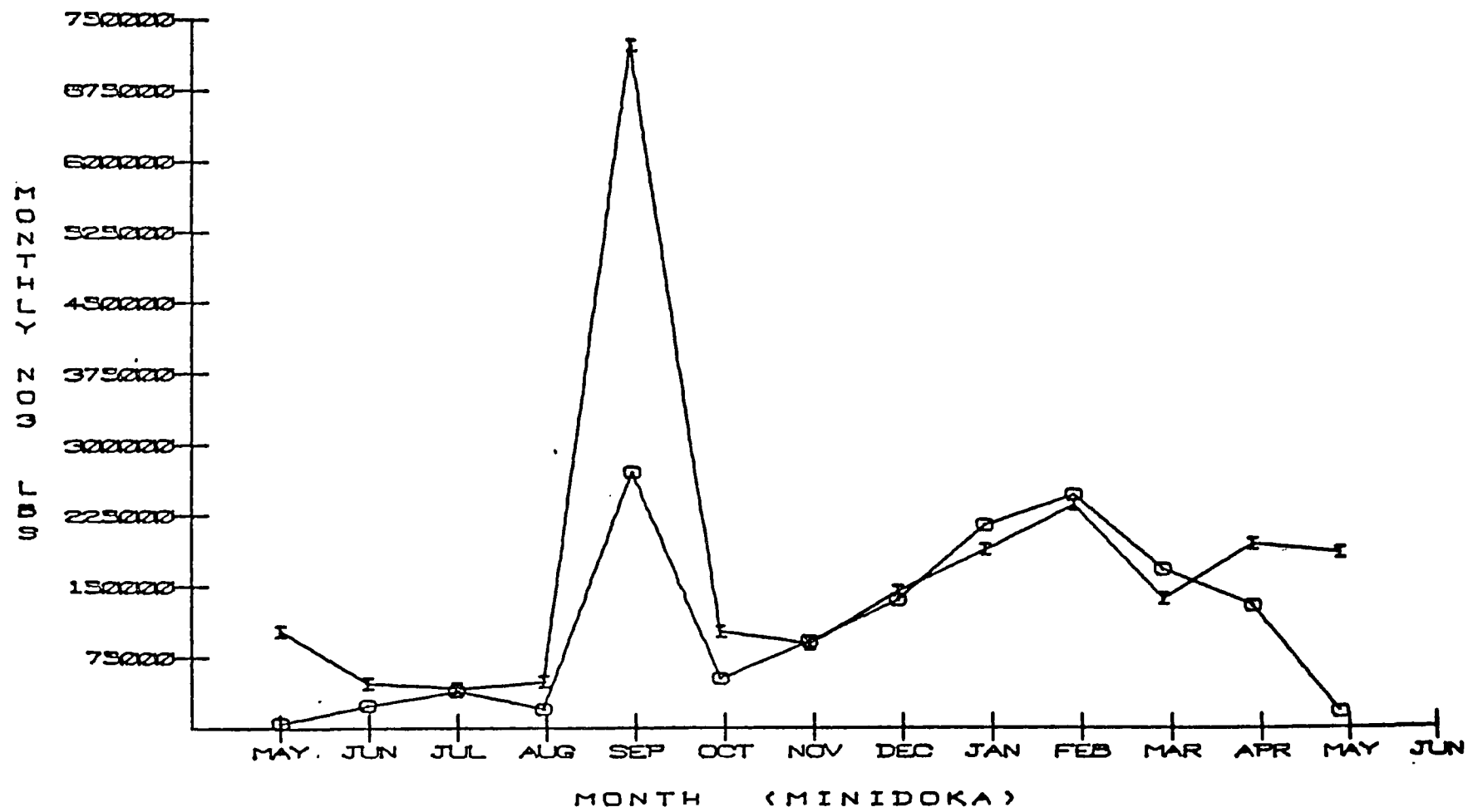


Fig. 3-8

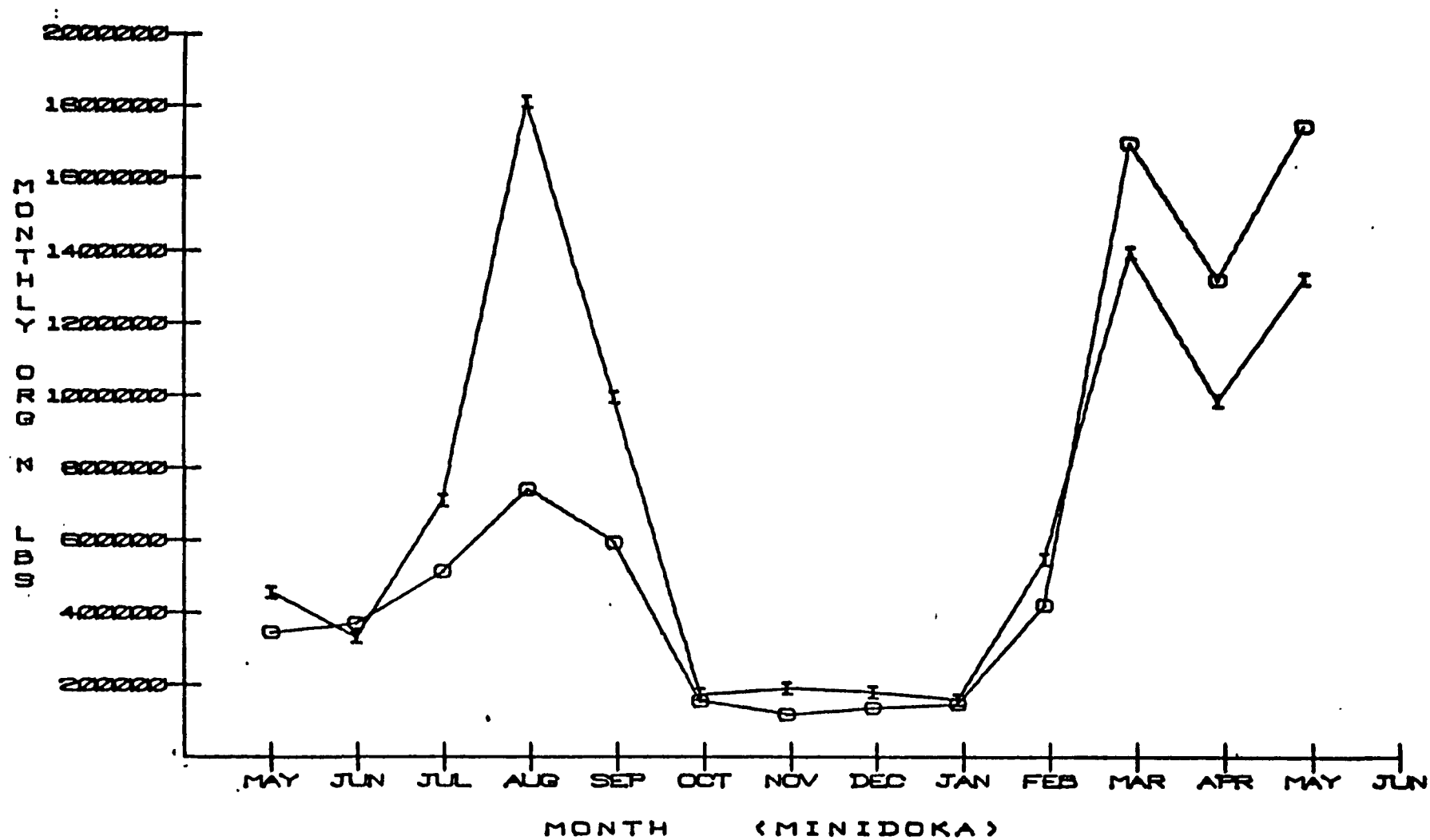


Fig. 4-6

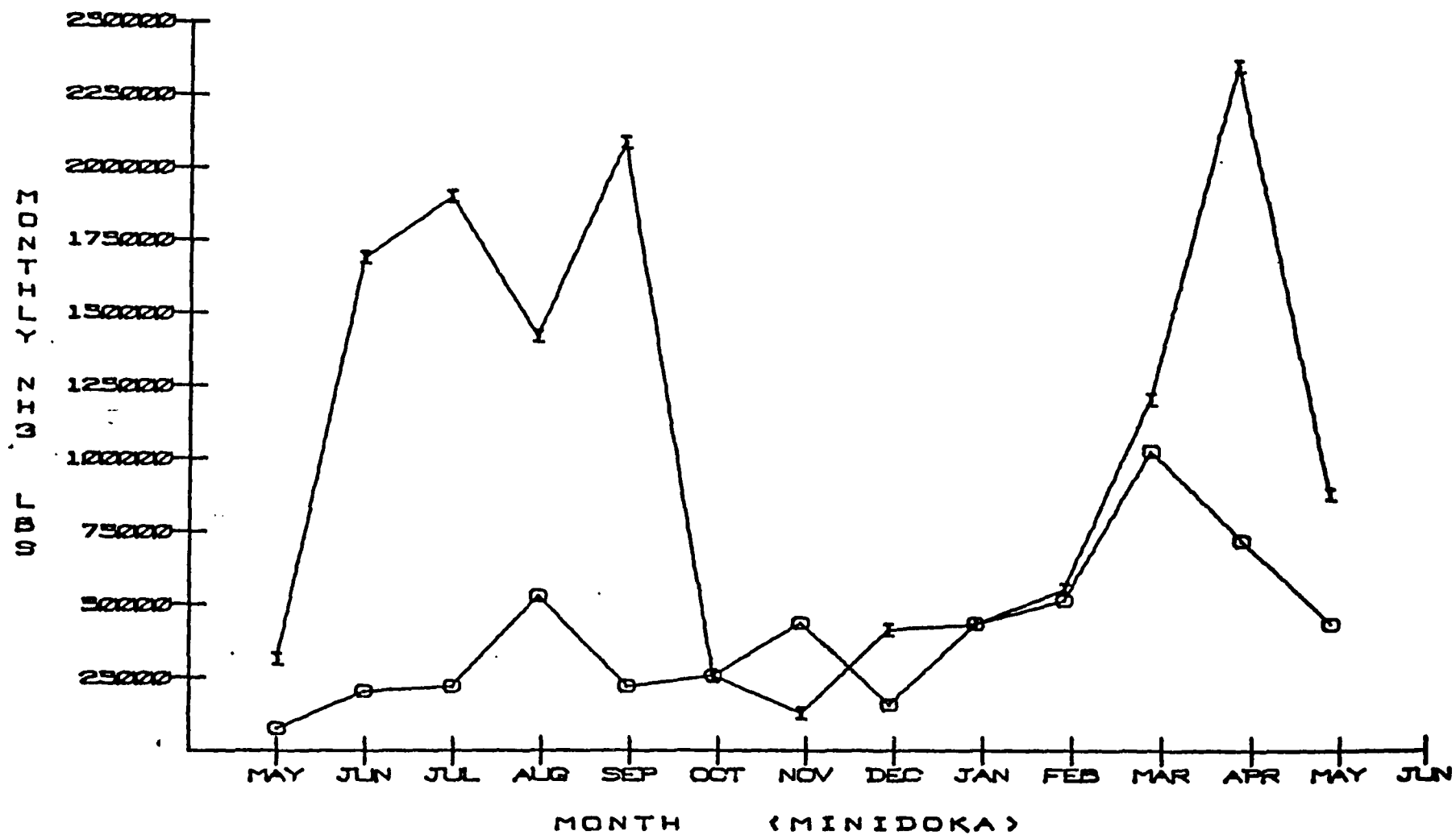


Fig 5-8

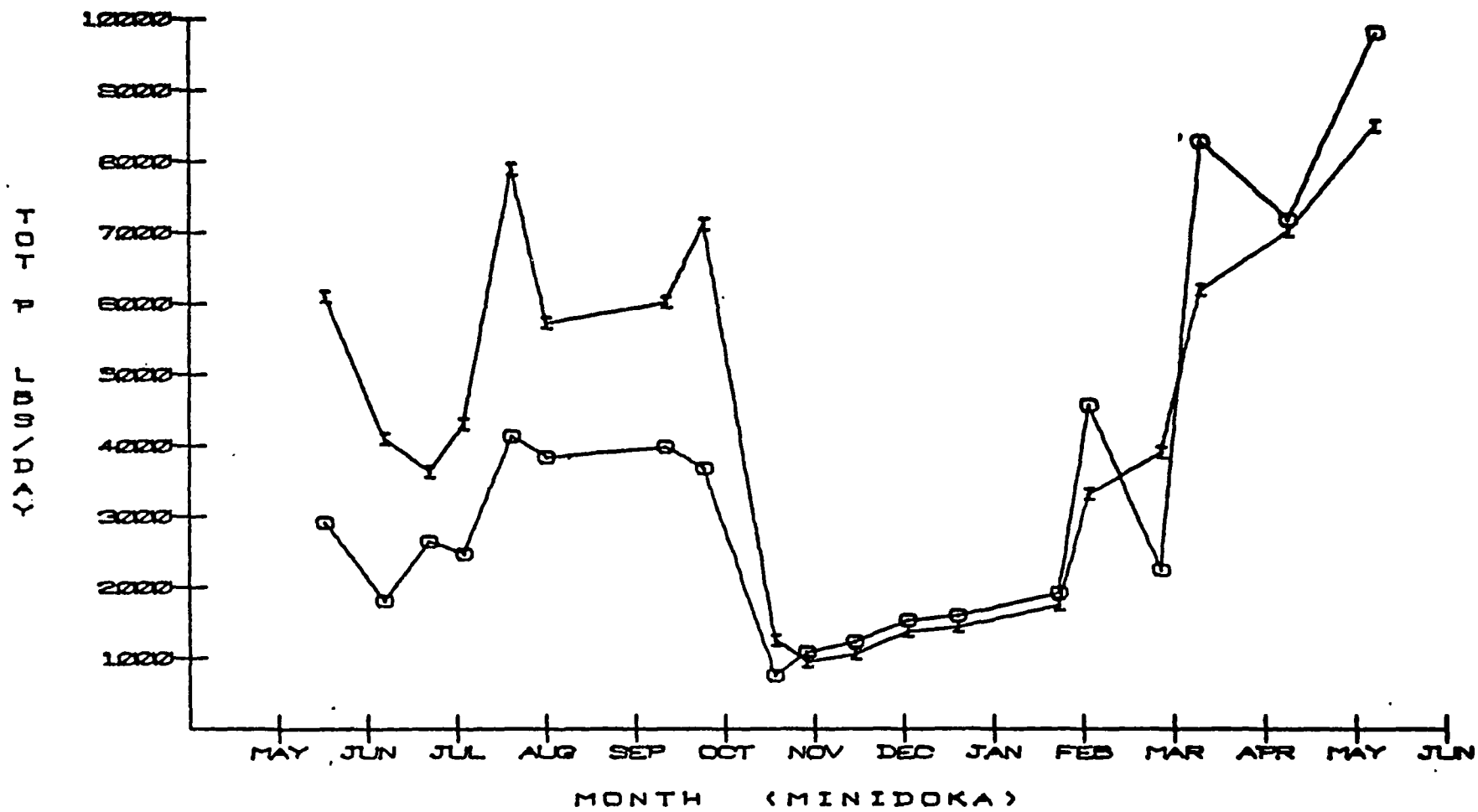


Fig. 6-B

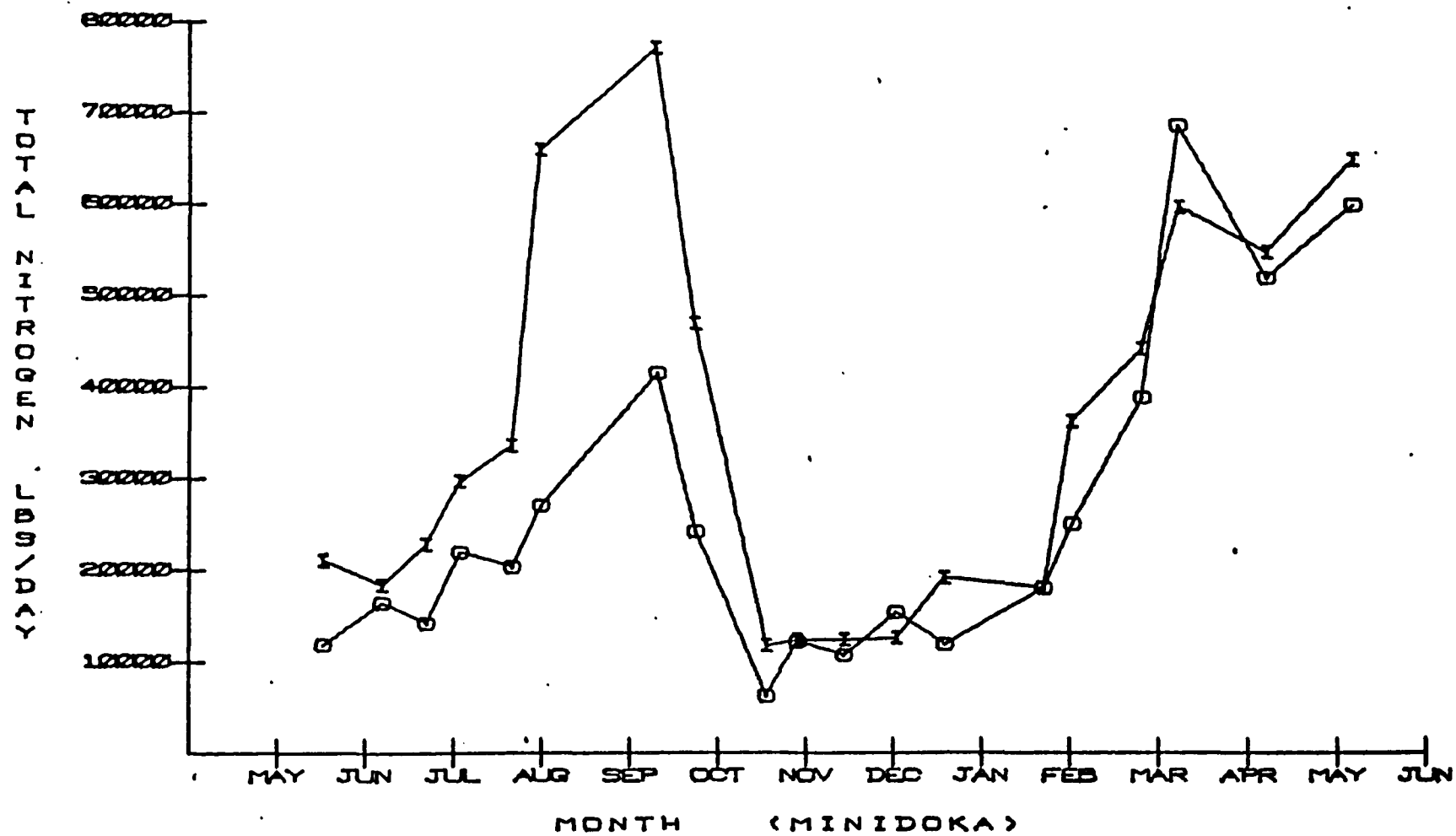


Fig. 7-8

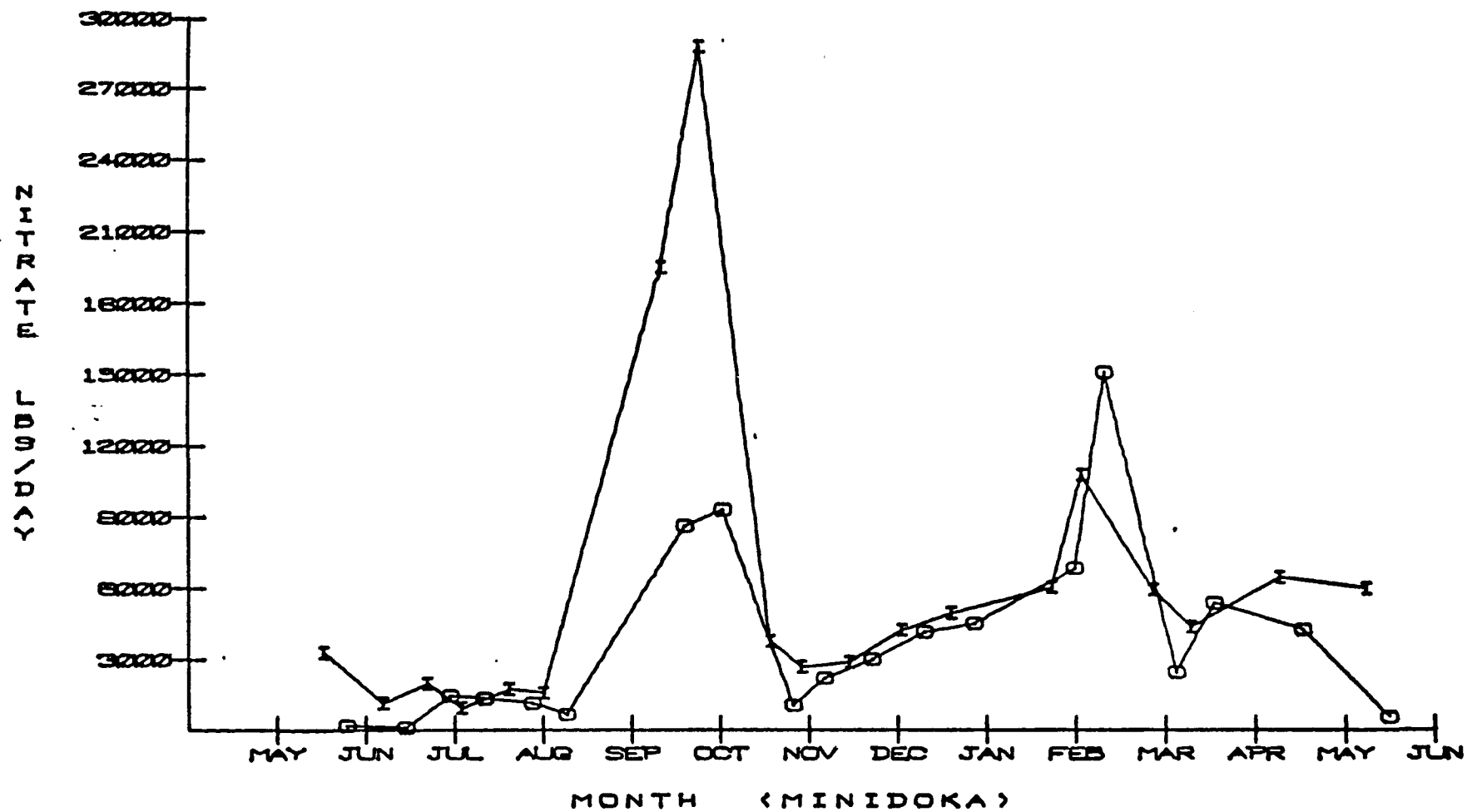


Fig. 8-B

U8

Y>V\WDF ZFQQZ-HZ QHZ>QZO

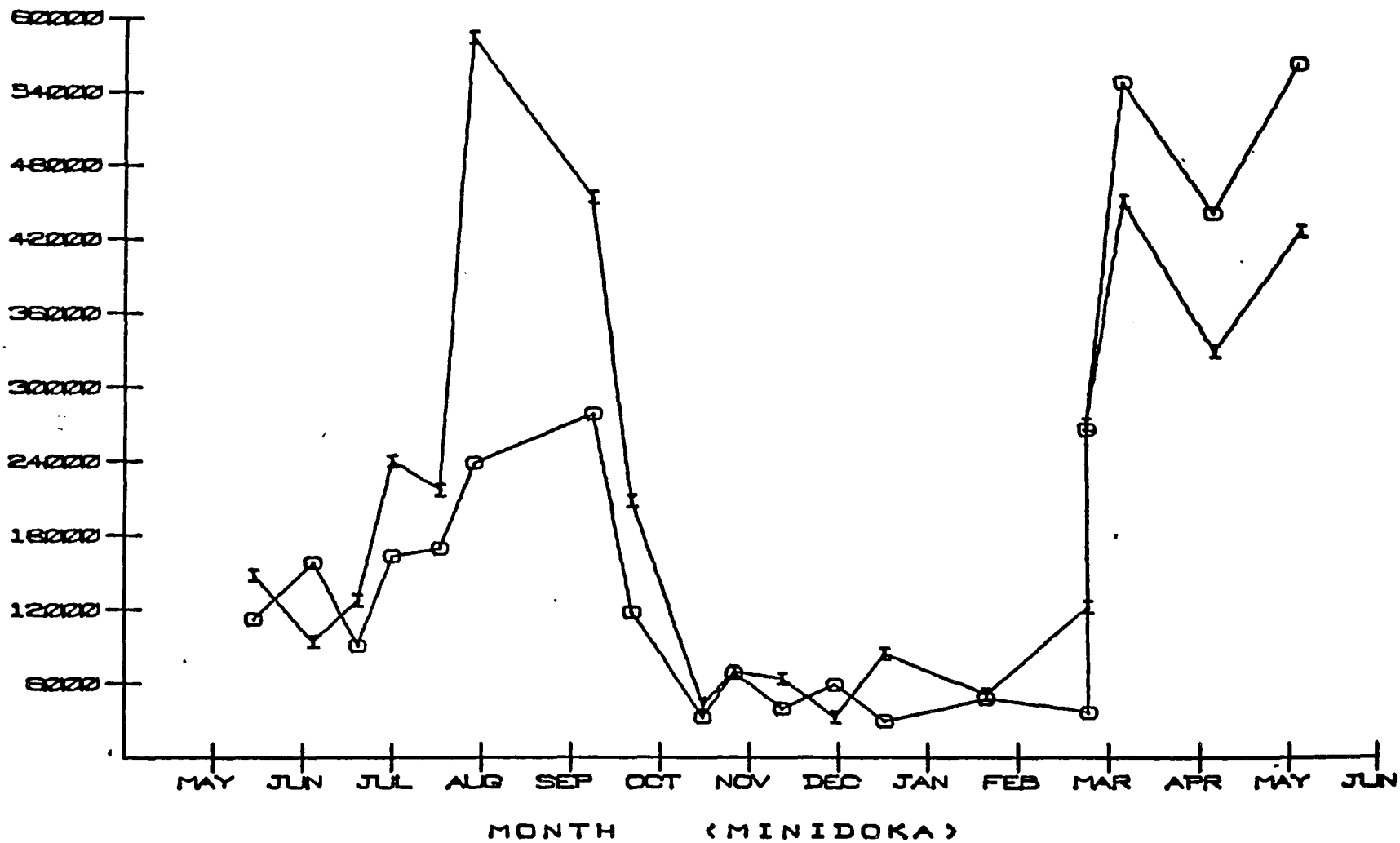


Fig. 9-8

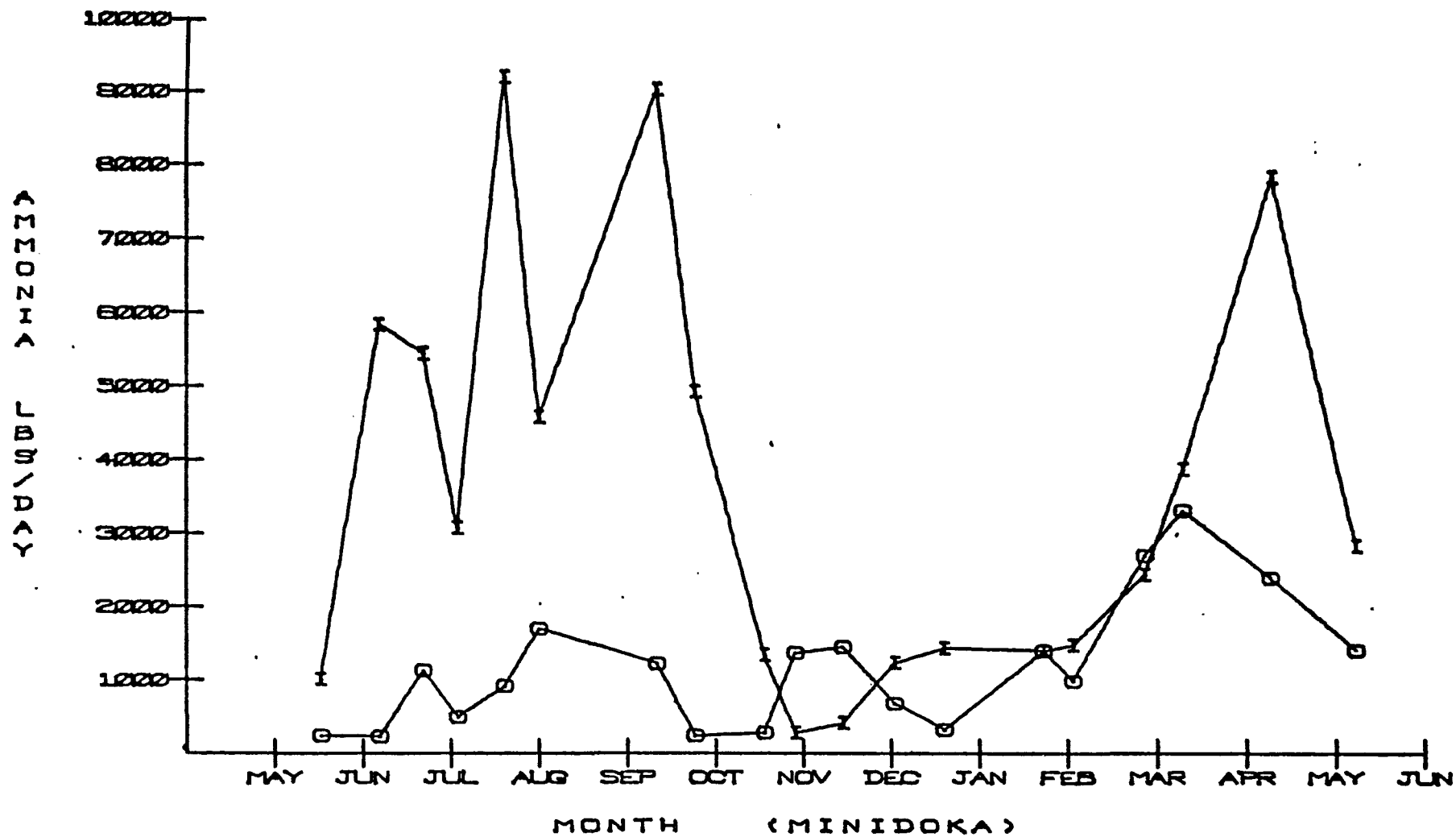


Fig. 10-B

HVELP AGE OUPH

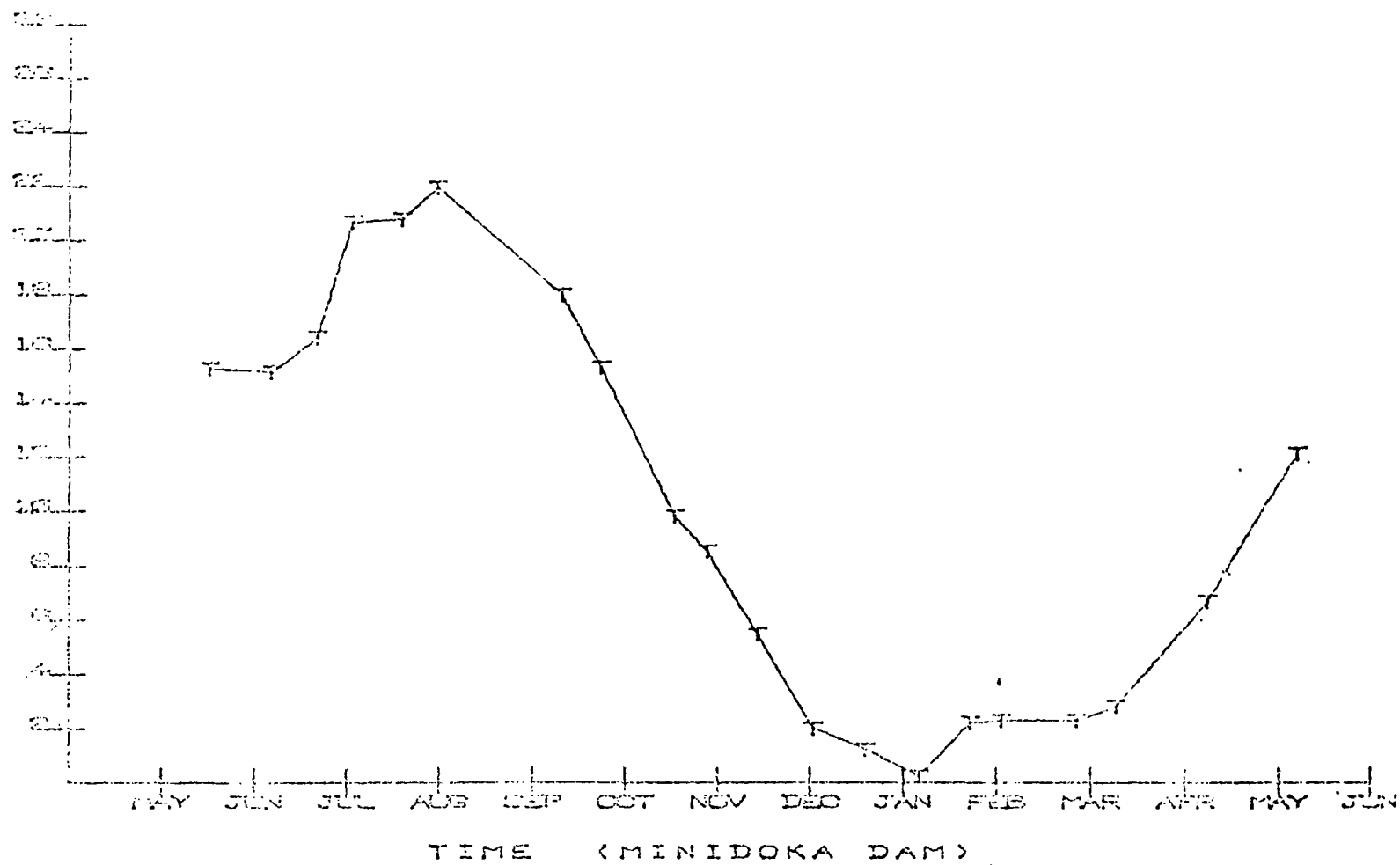


Fig 11-B

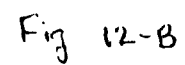


Fig 12-B

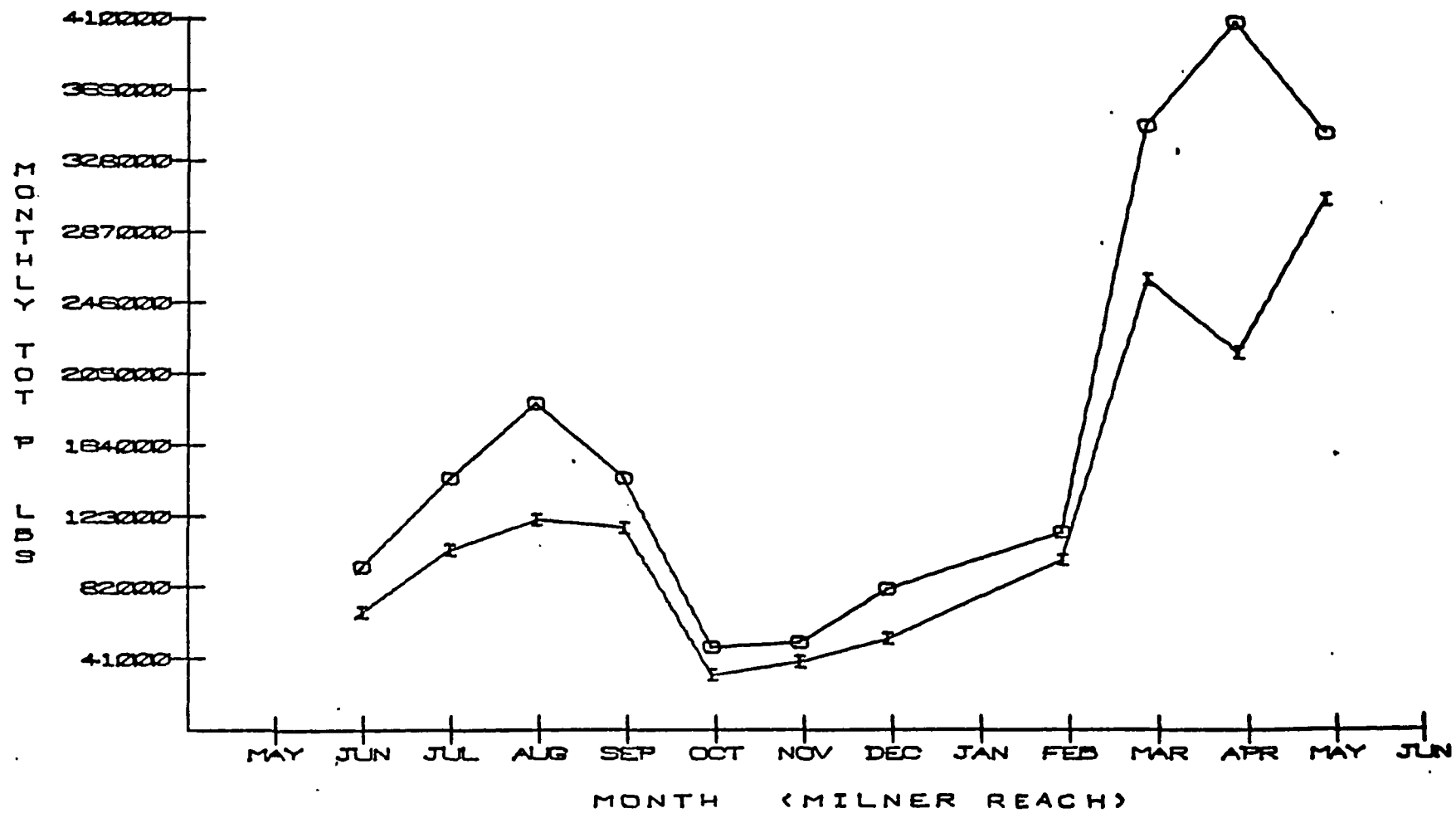


Fig 1-C

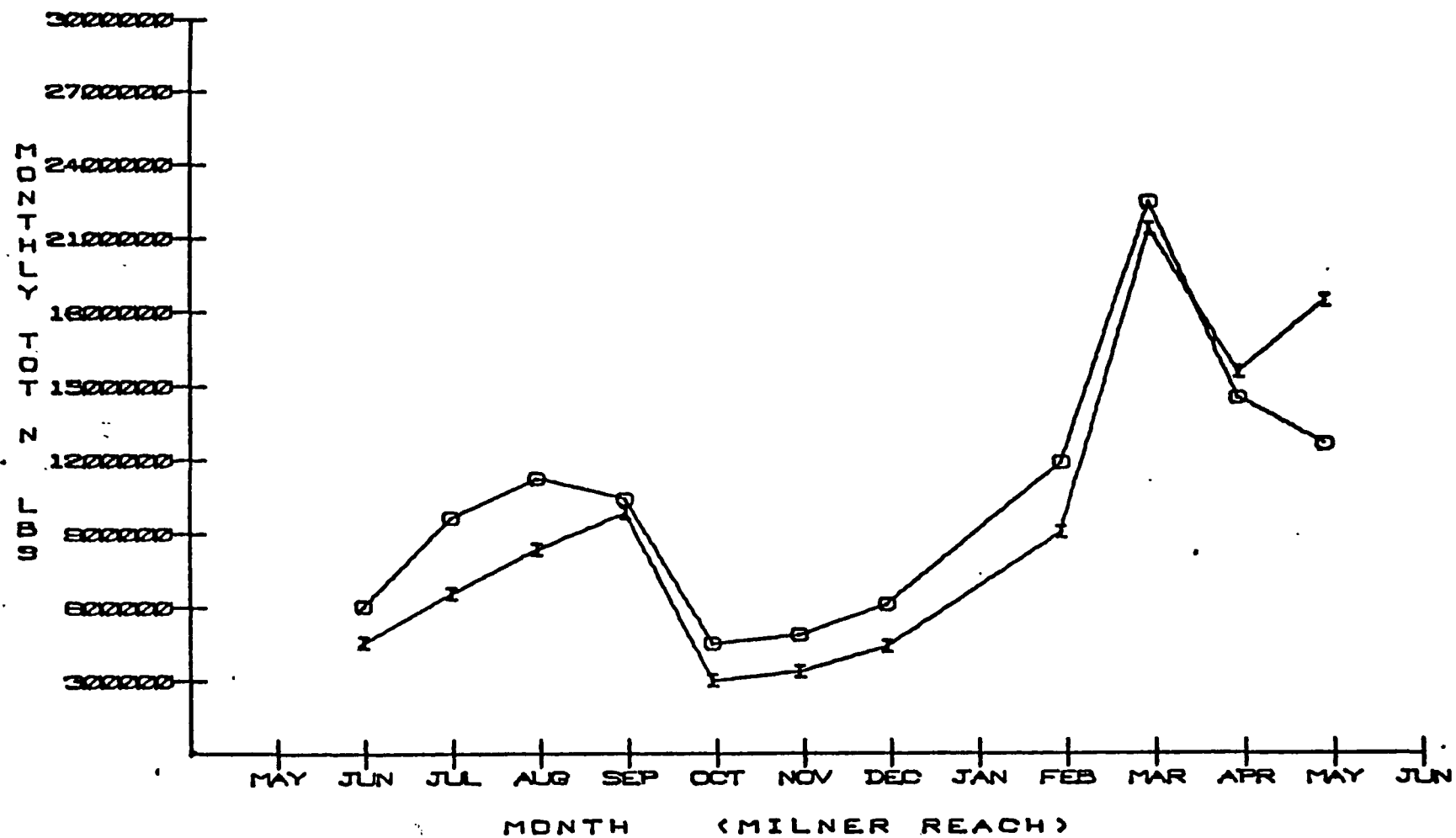


Fig. 2-c

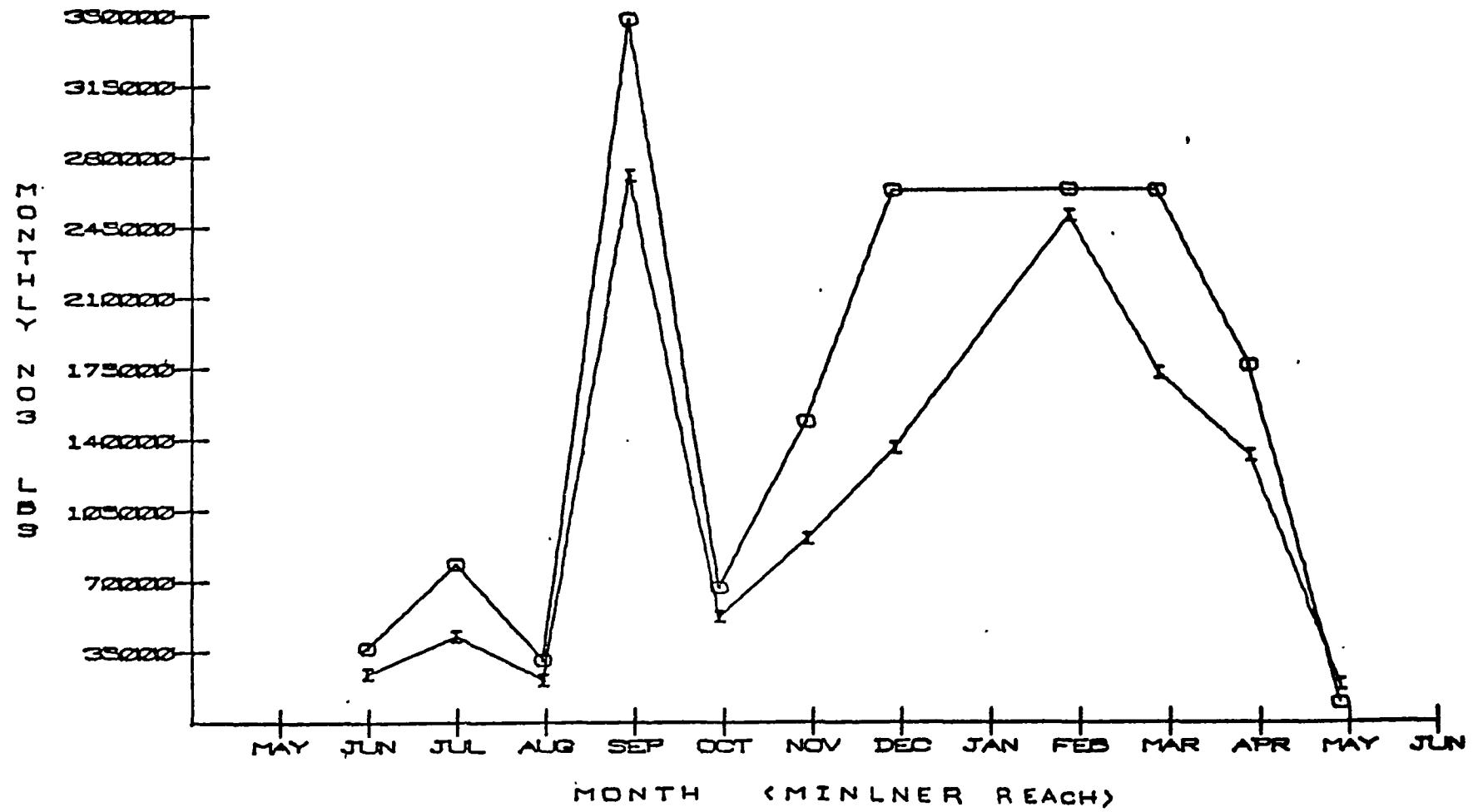


Fig. 3-c

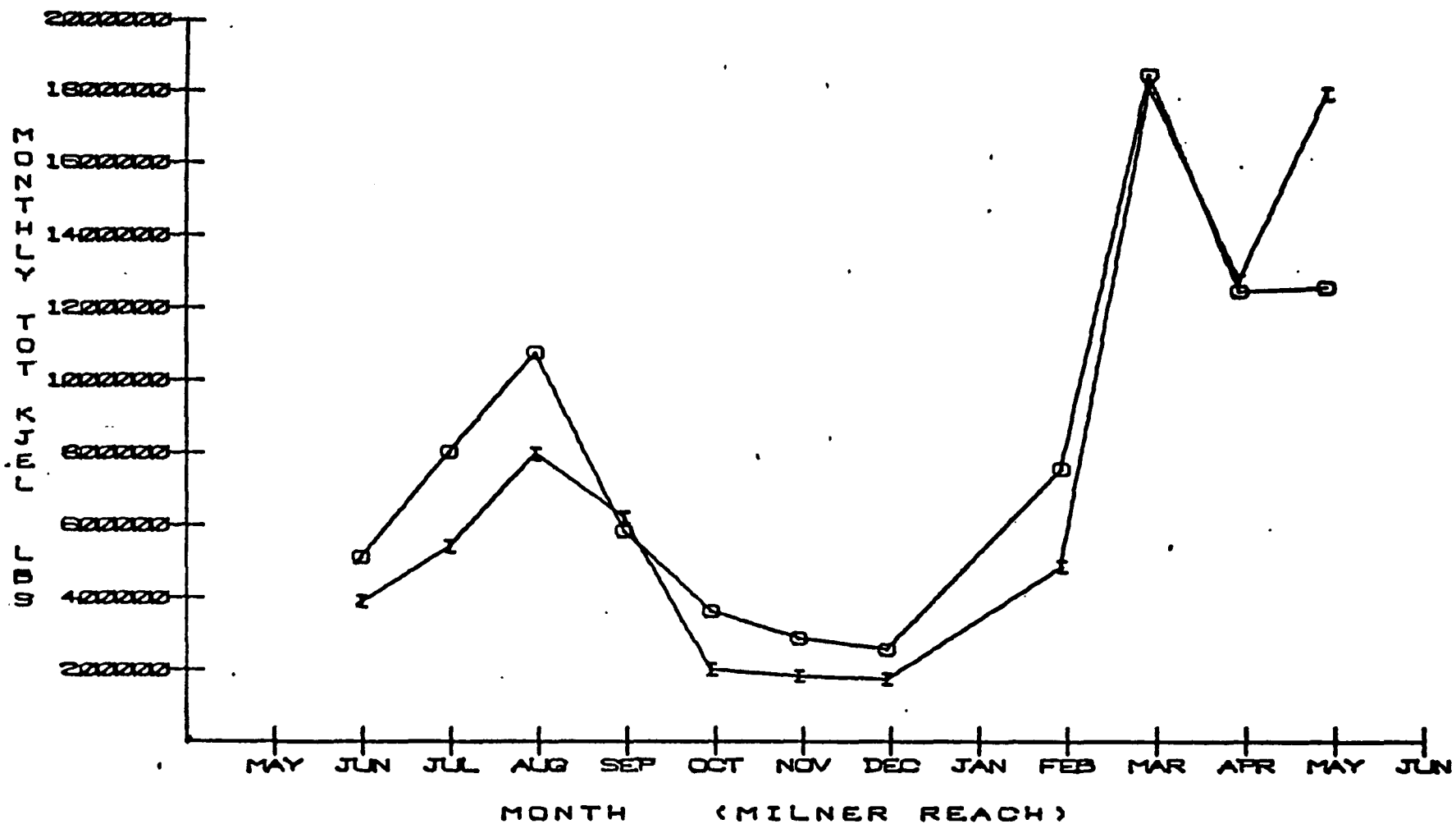


Fig. 4-c

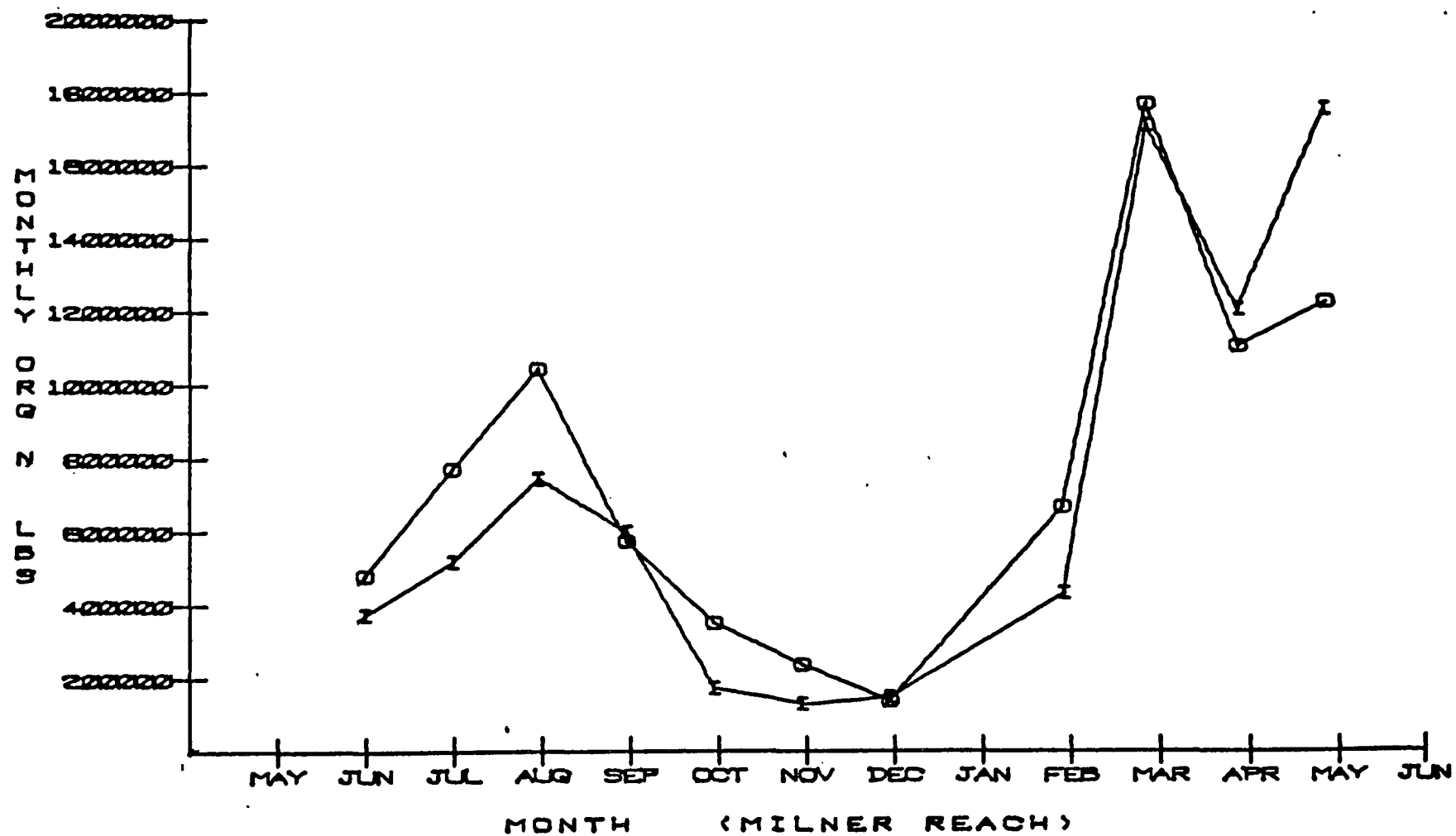


Fig. 5-c

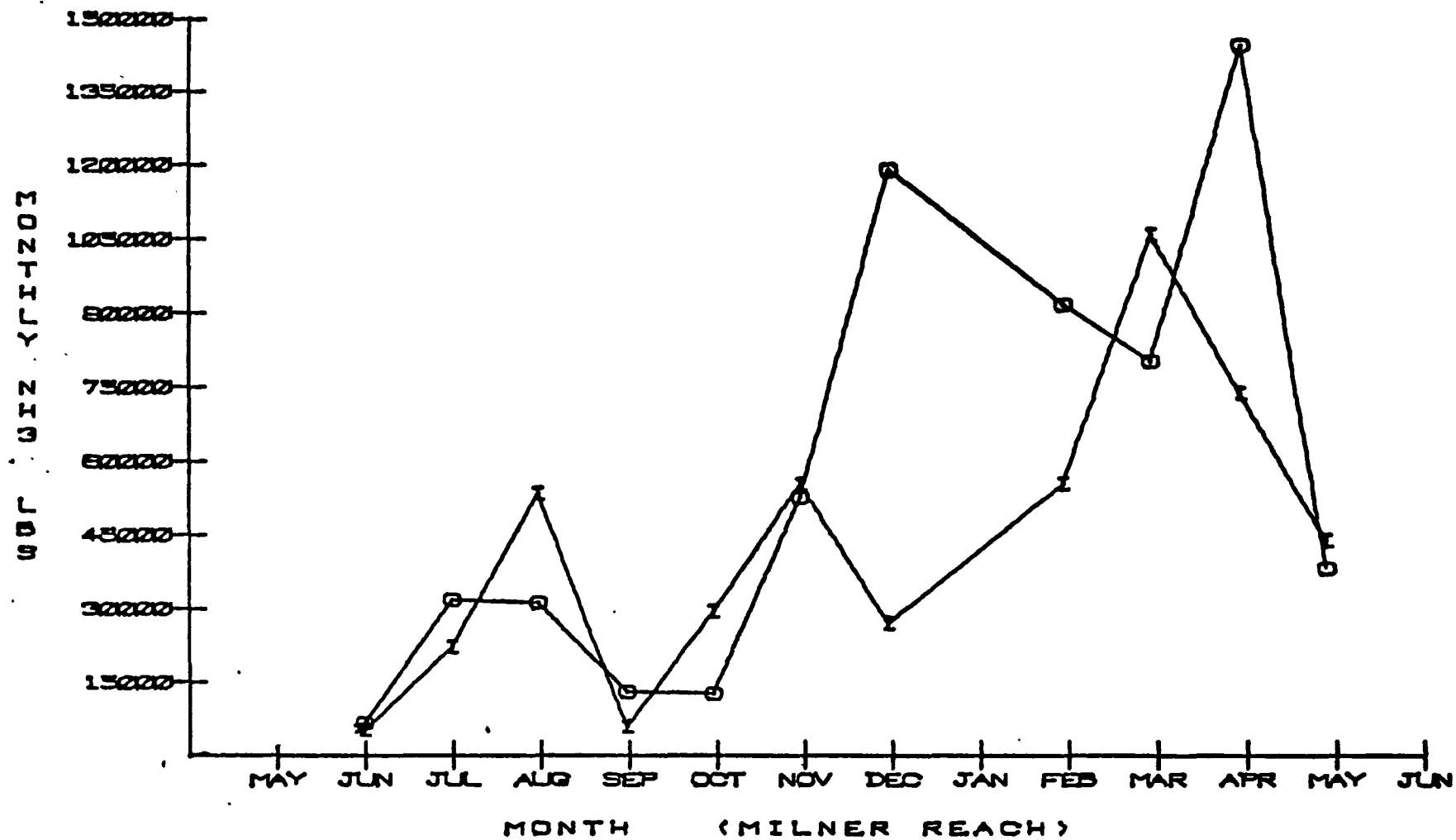


Fig. 6-C

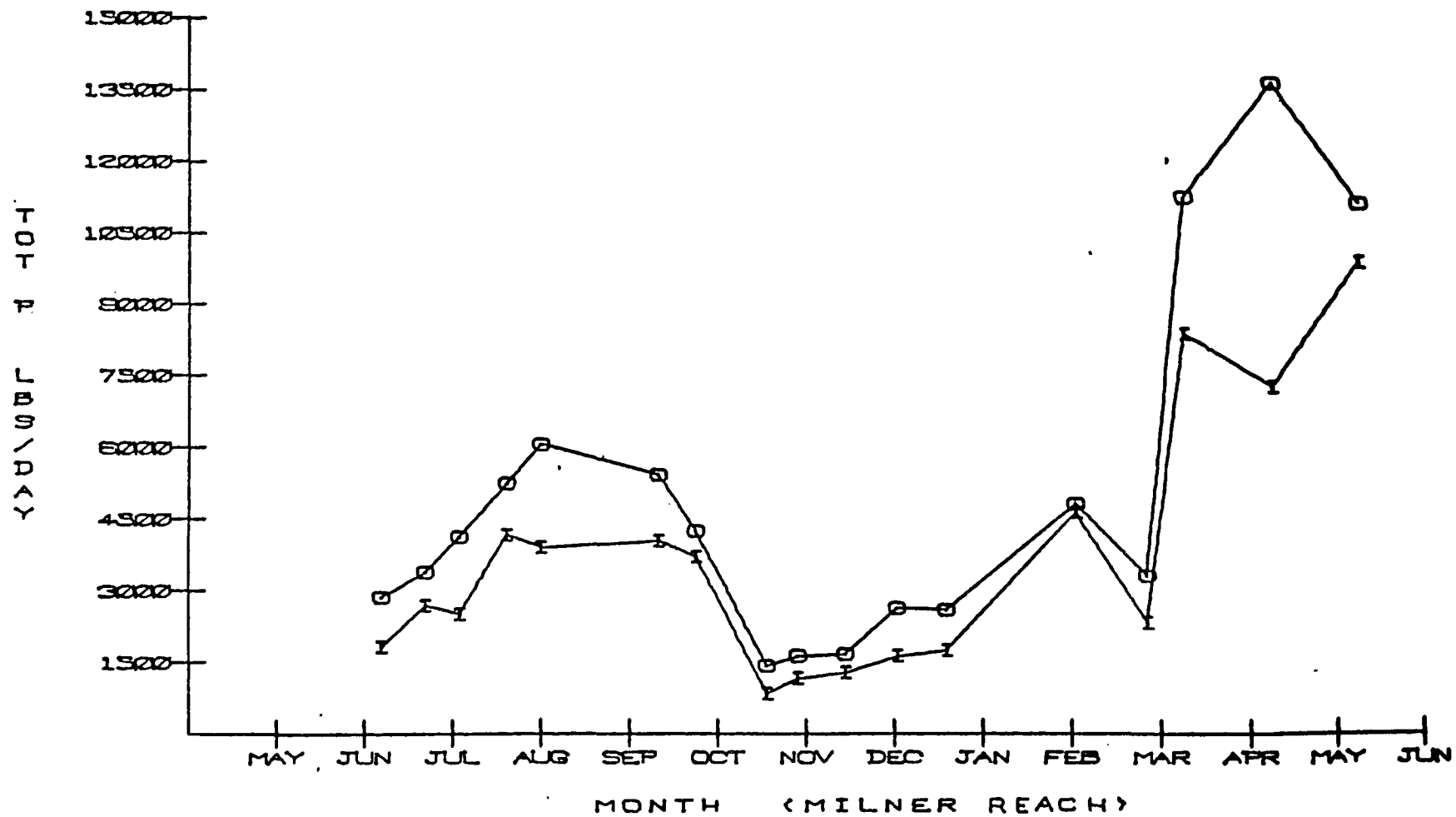


Fig. 7-C

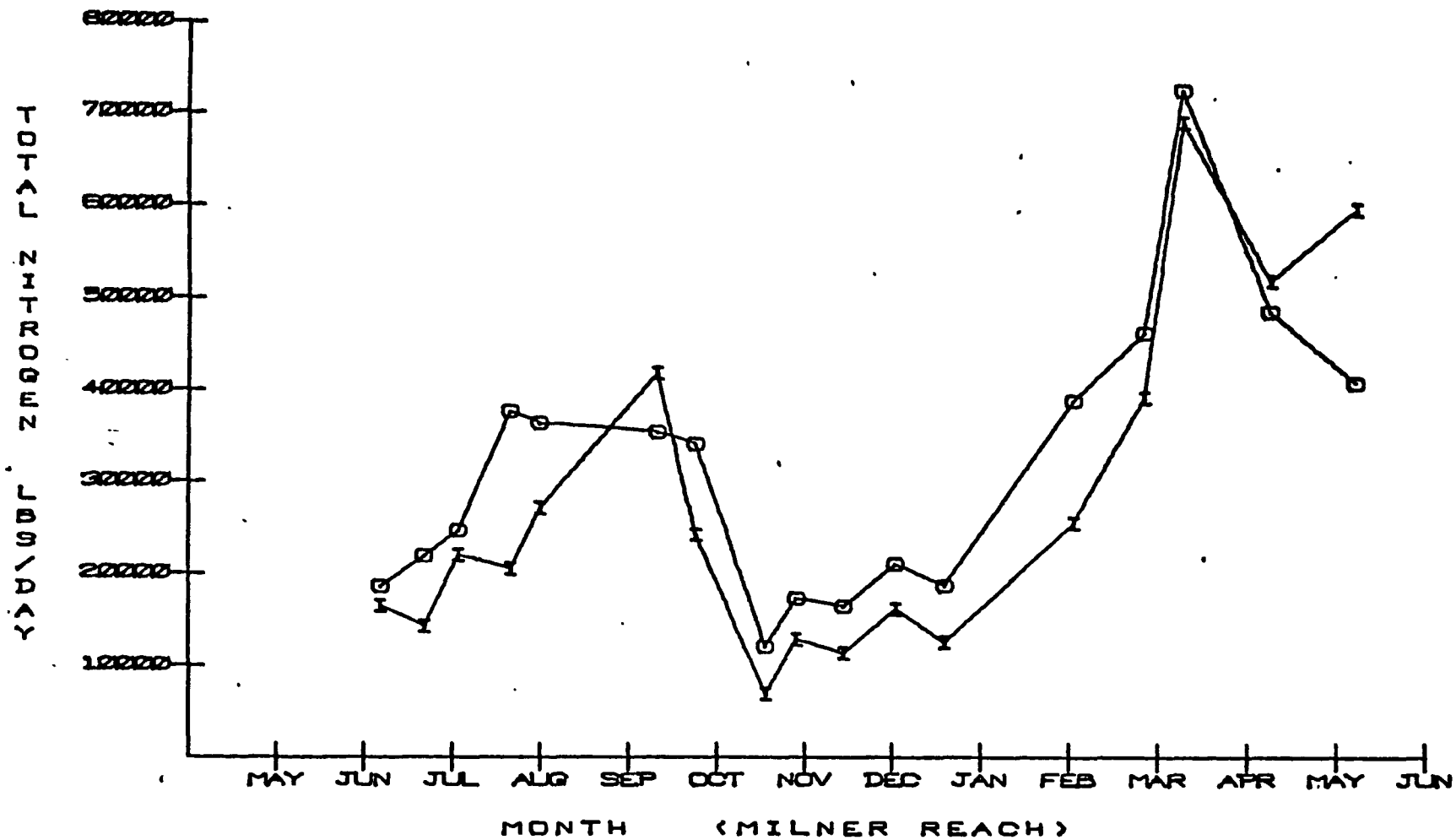


Fig. 8-C

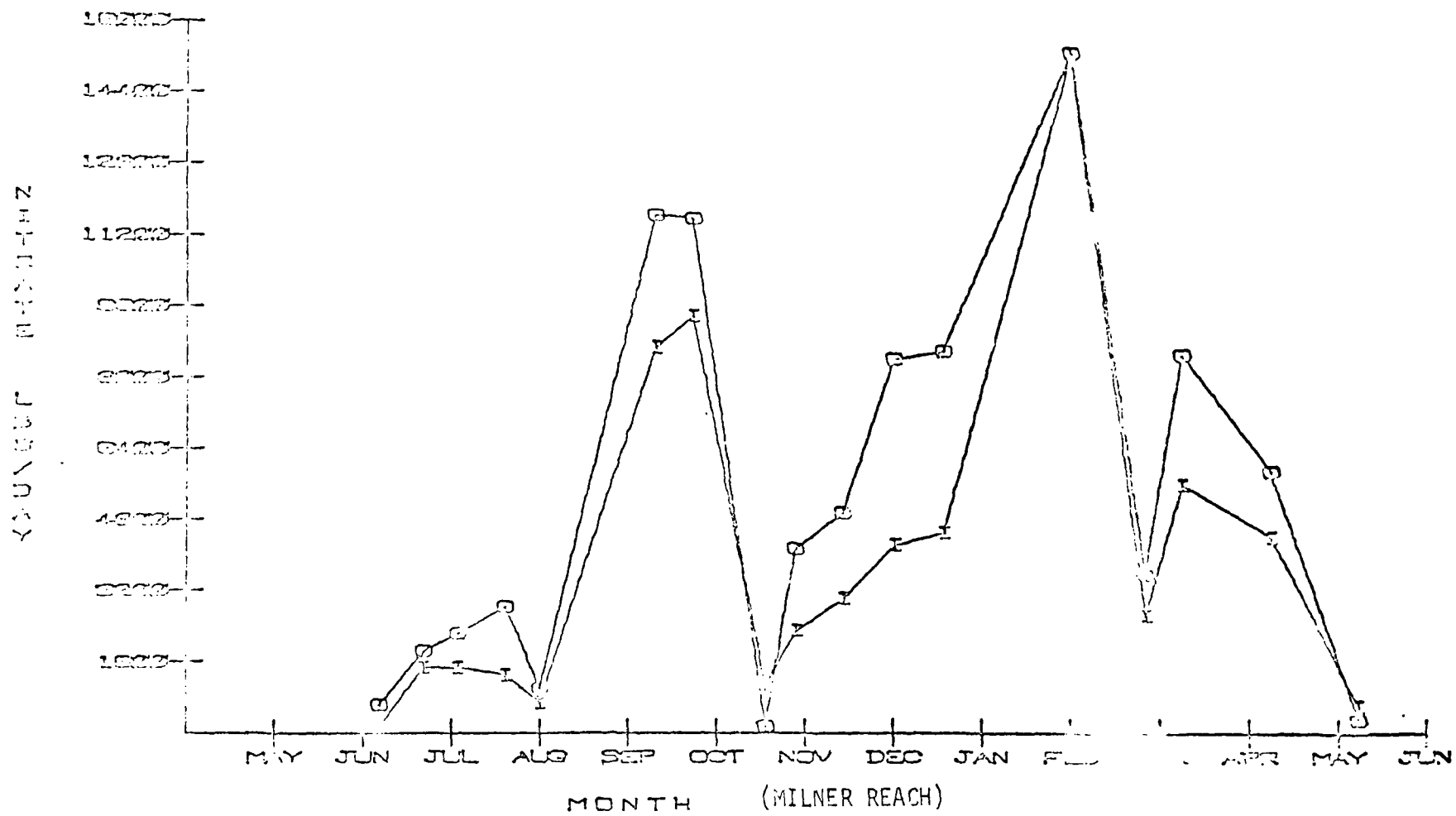
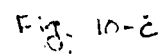


Fig 7-c



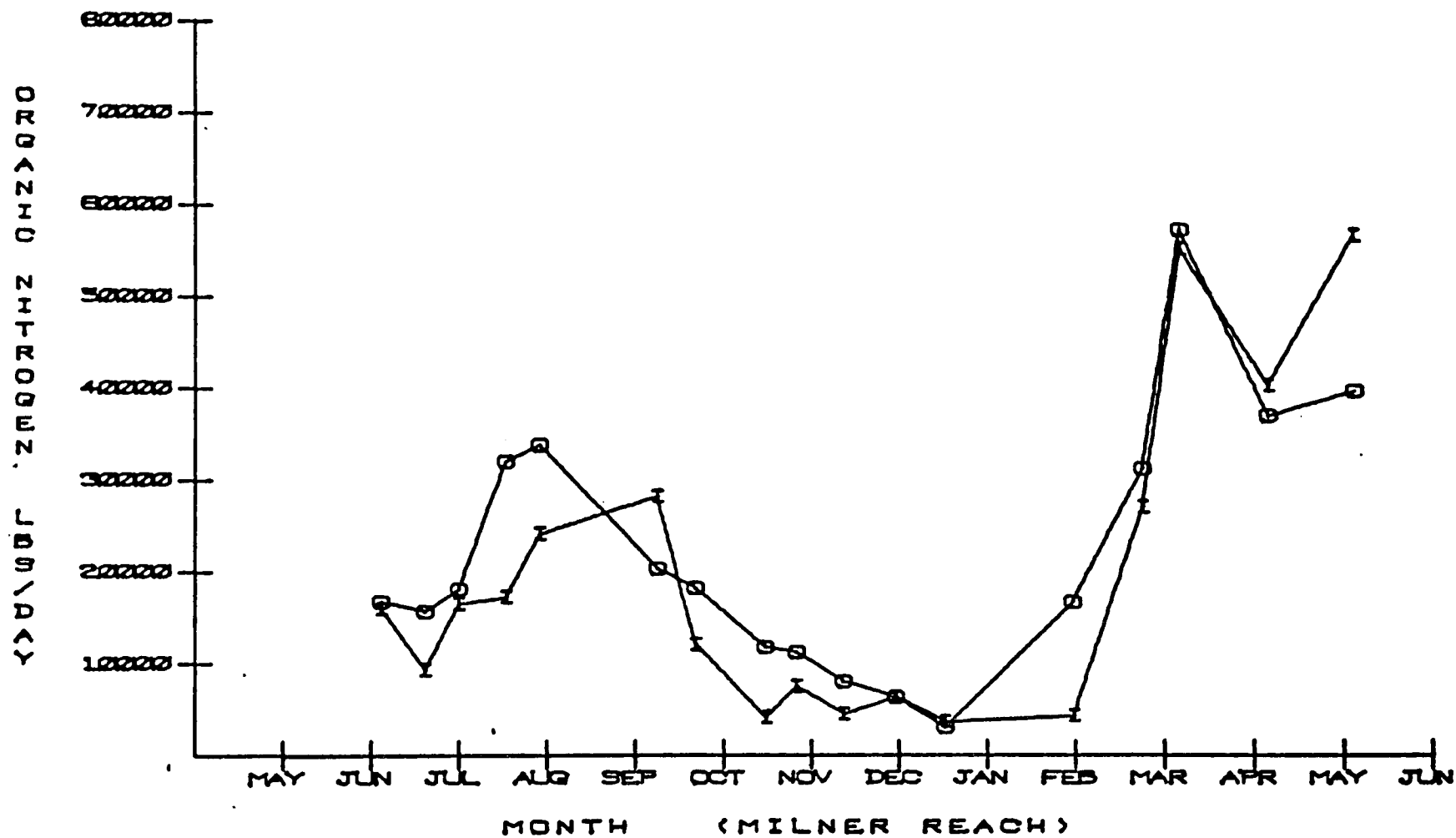


Fig. 11-C

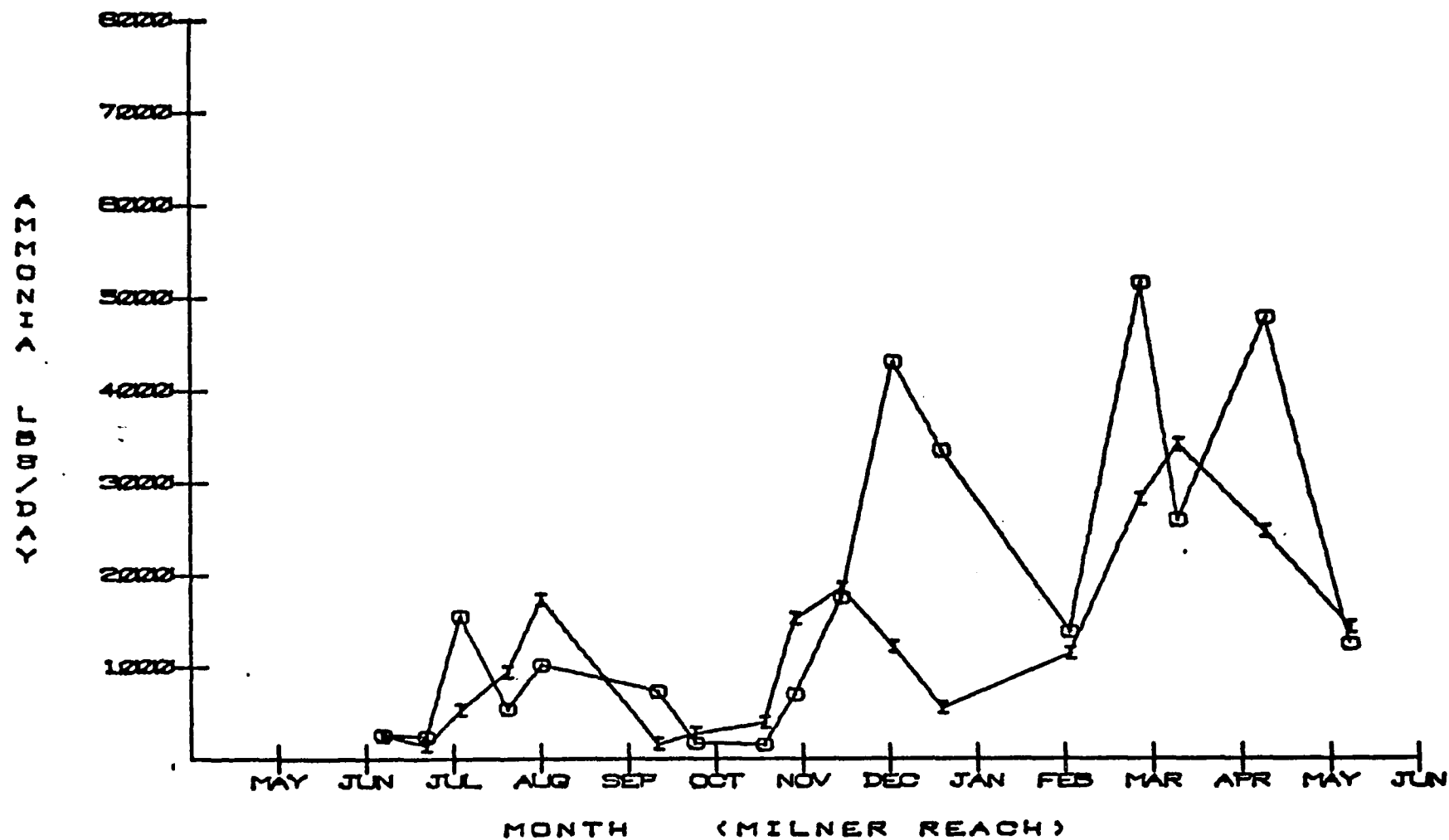


Fig. 12-C

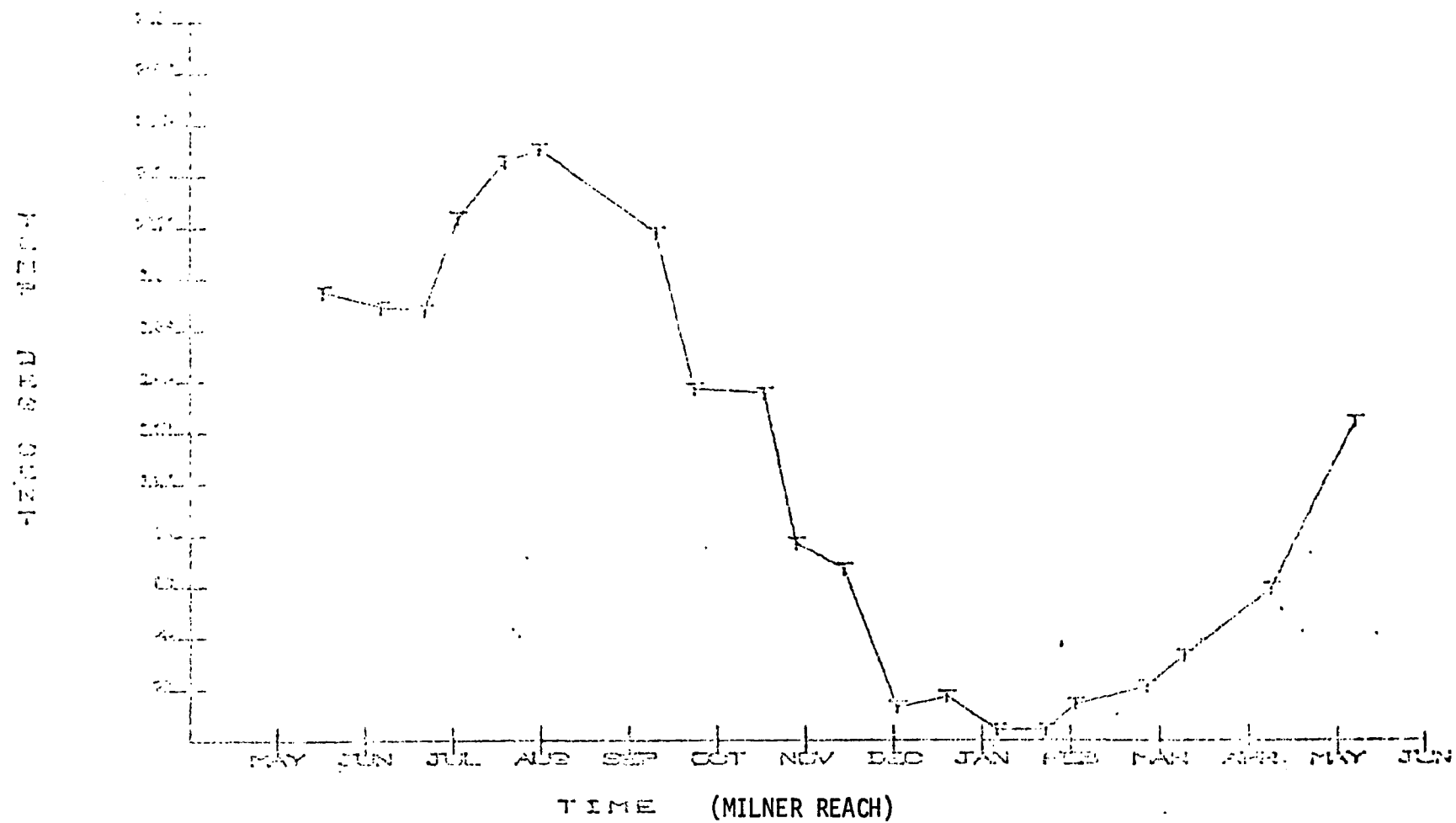
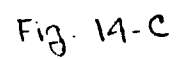


Fig 13-C



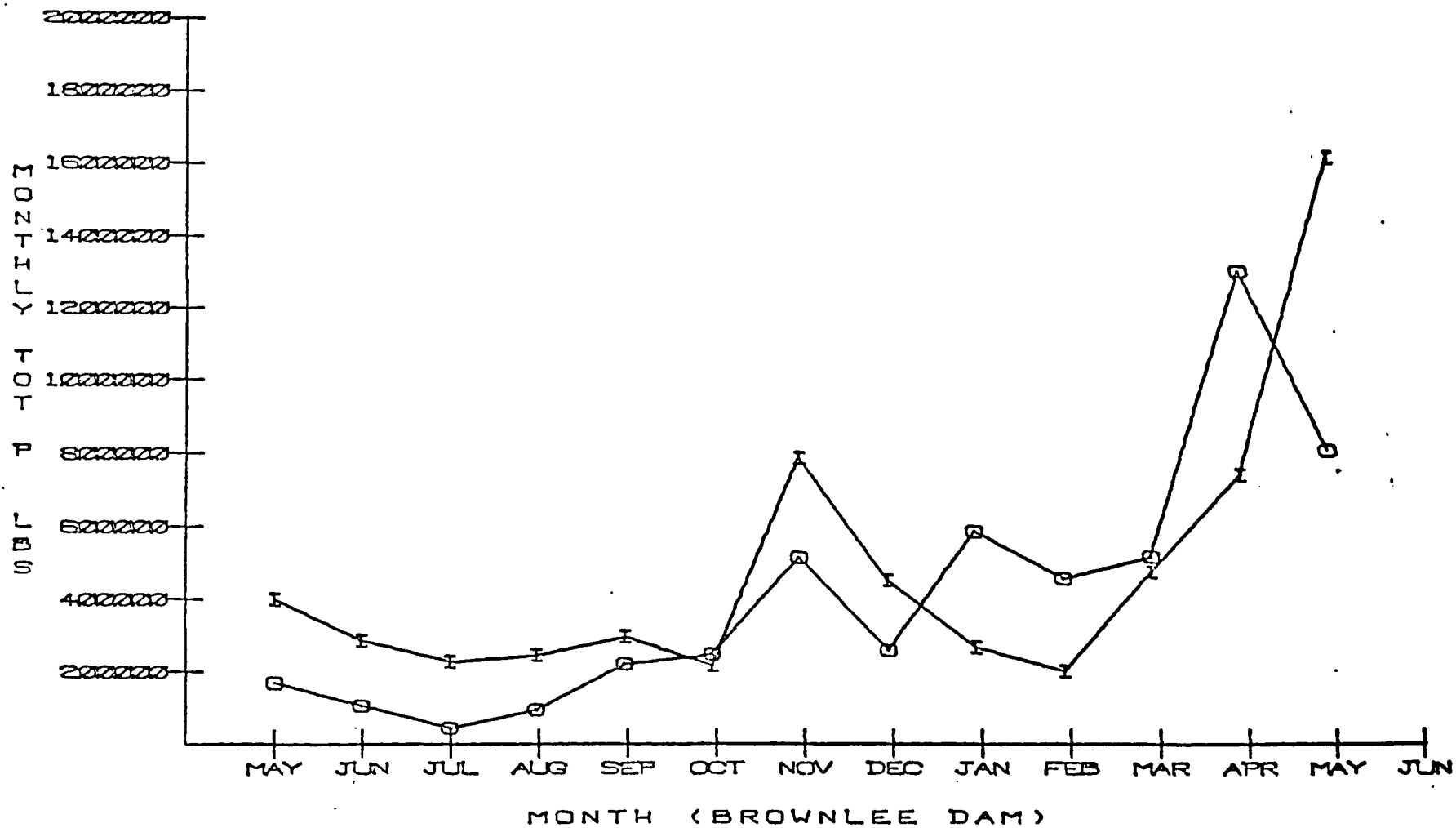


Fig 1-D

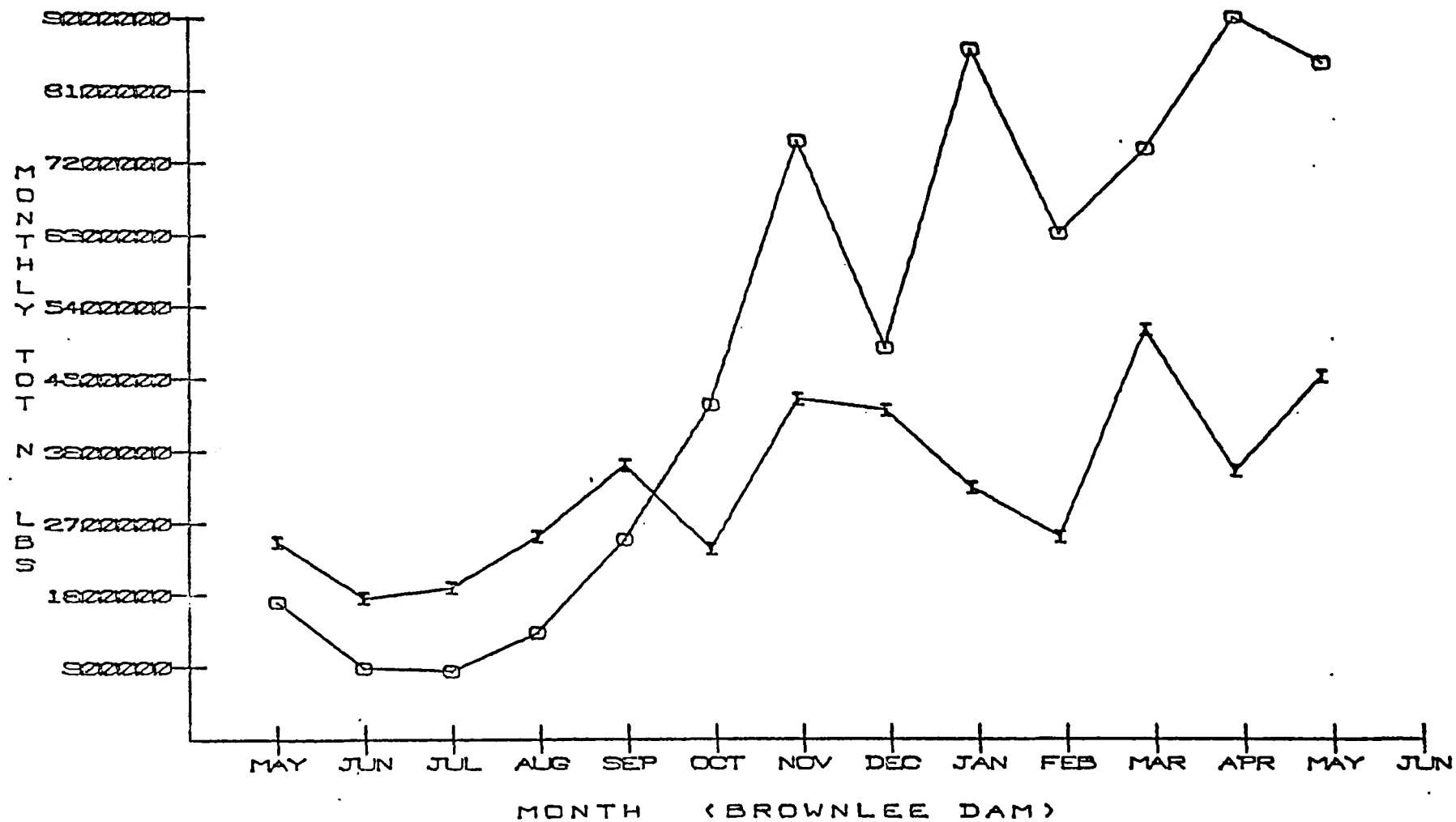


Fig. 2-D

100

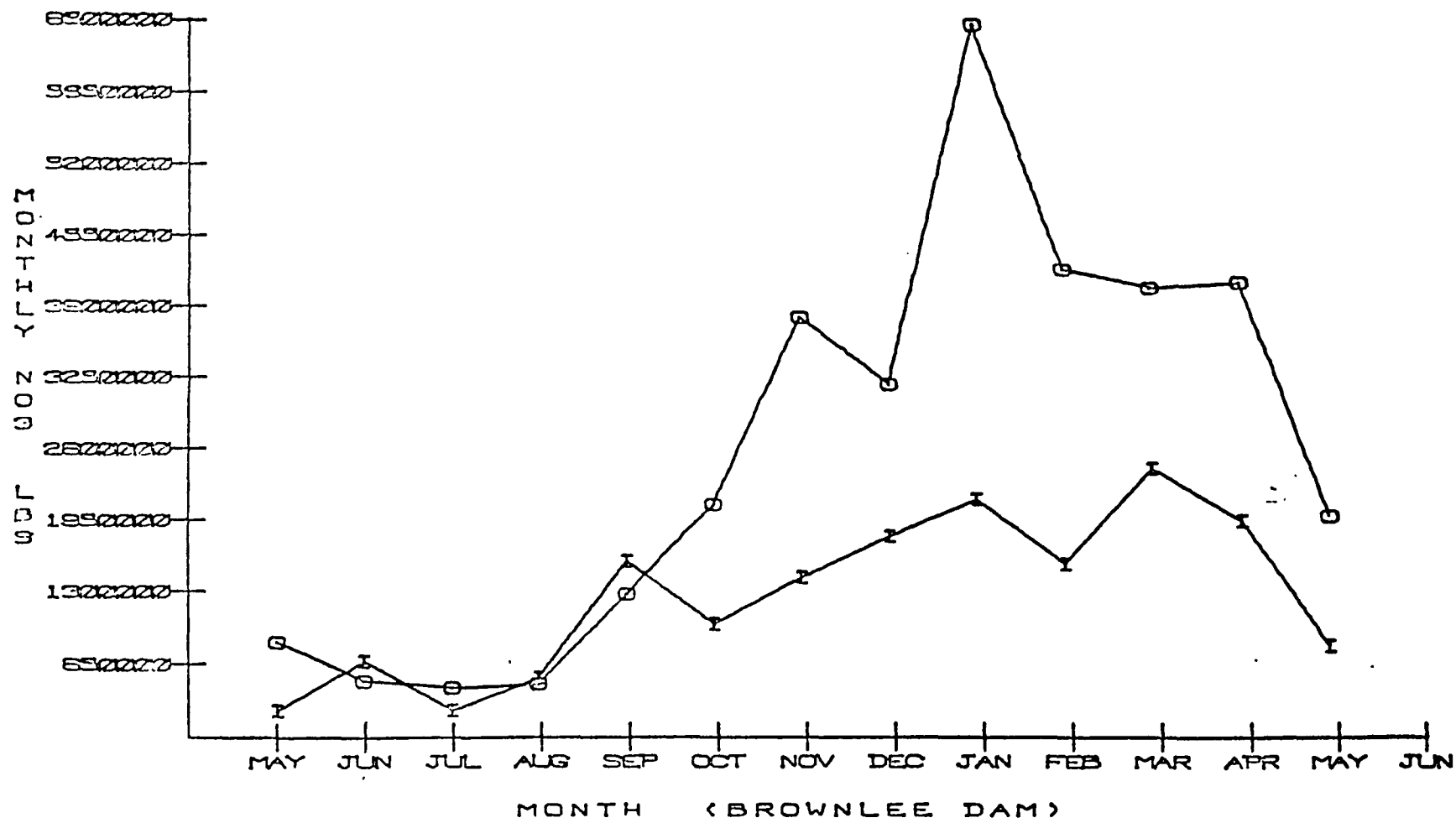


Fig. 3-10

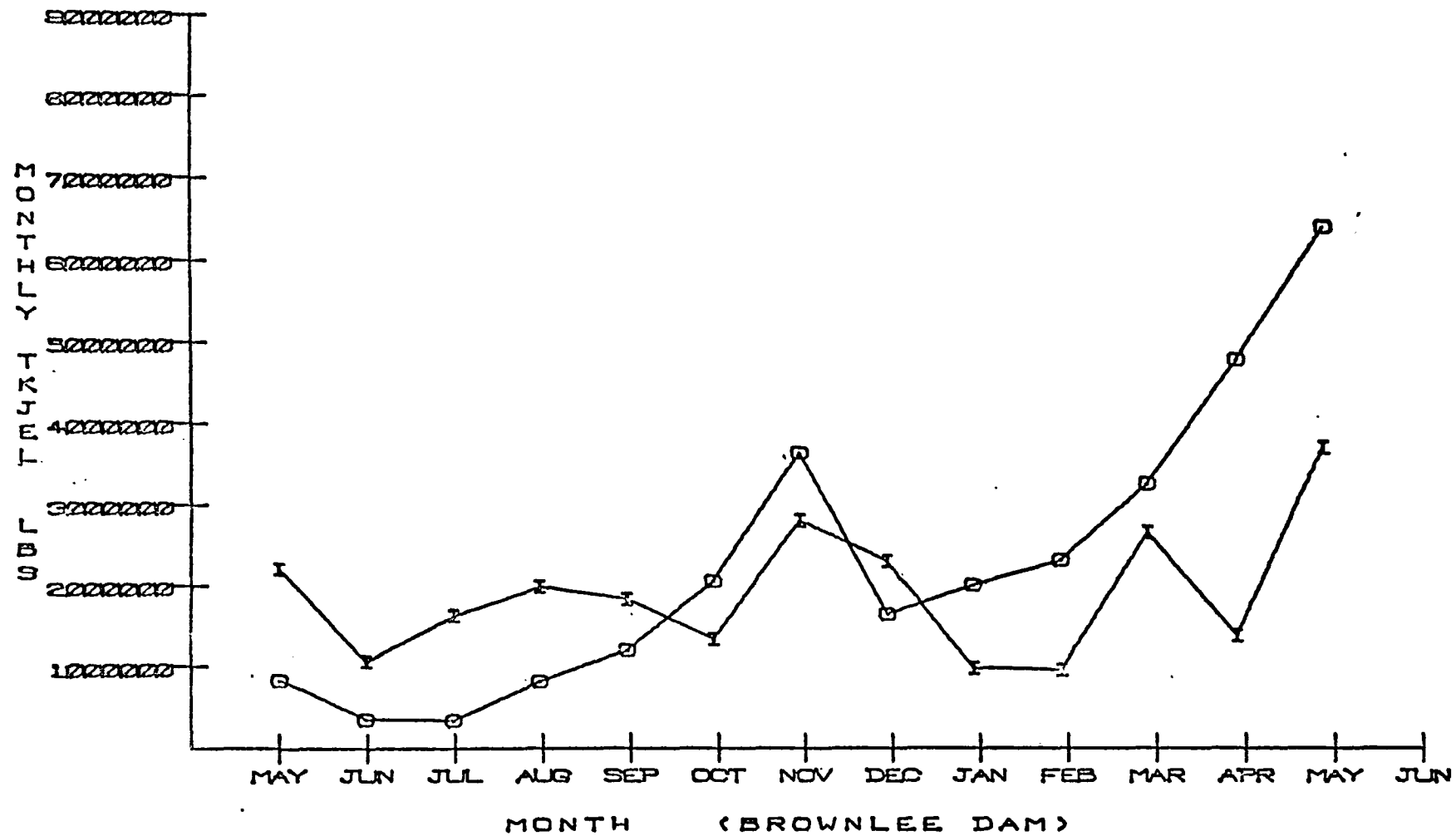


Fig. A-D

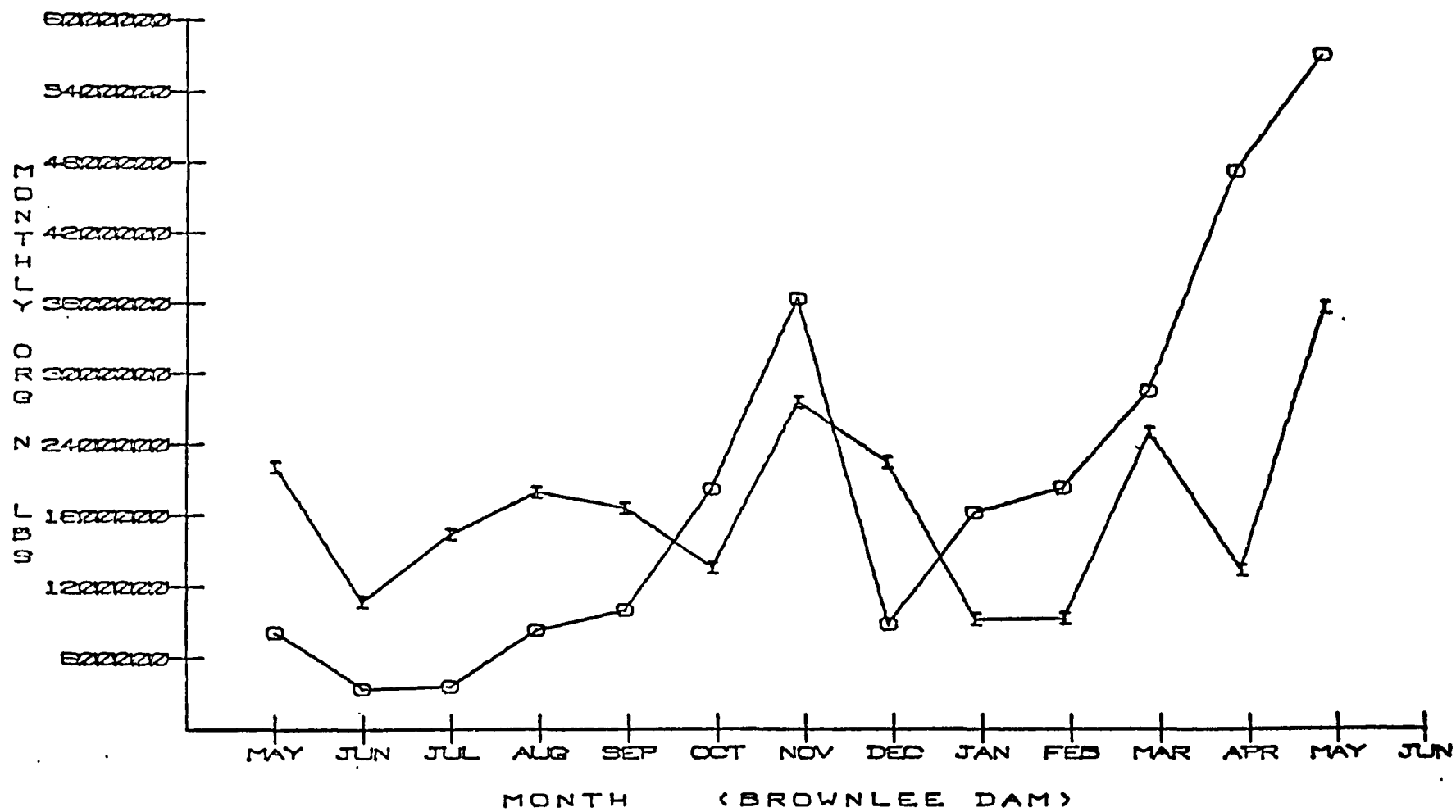


Fig. 5-D

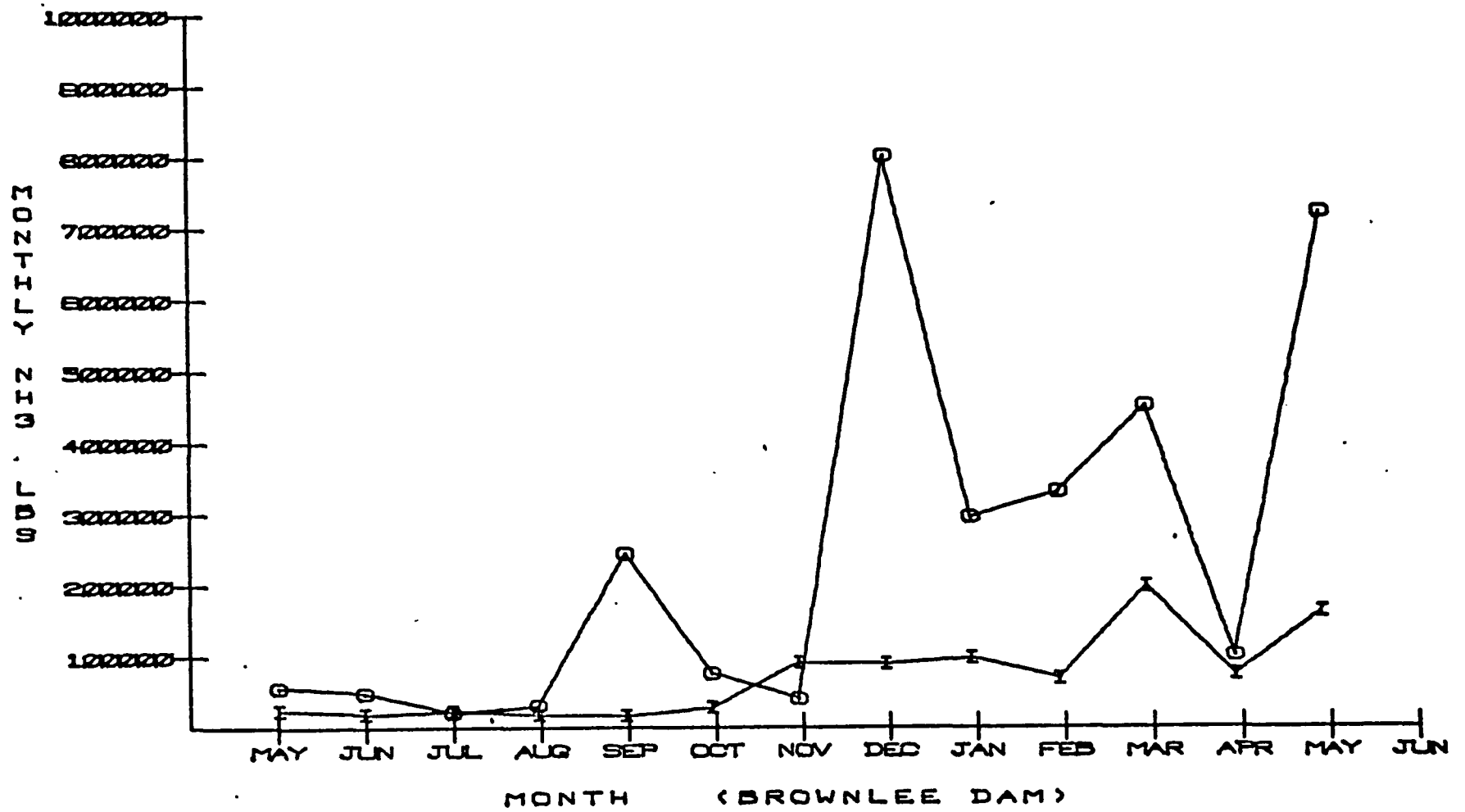


Fig. G-D

104

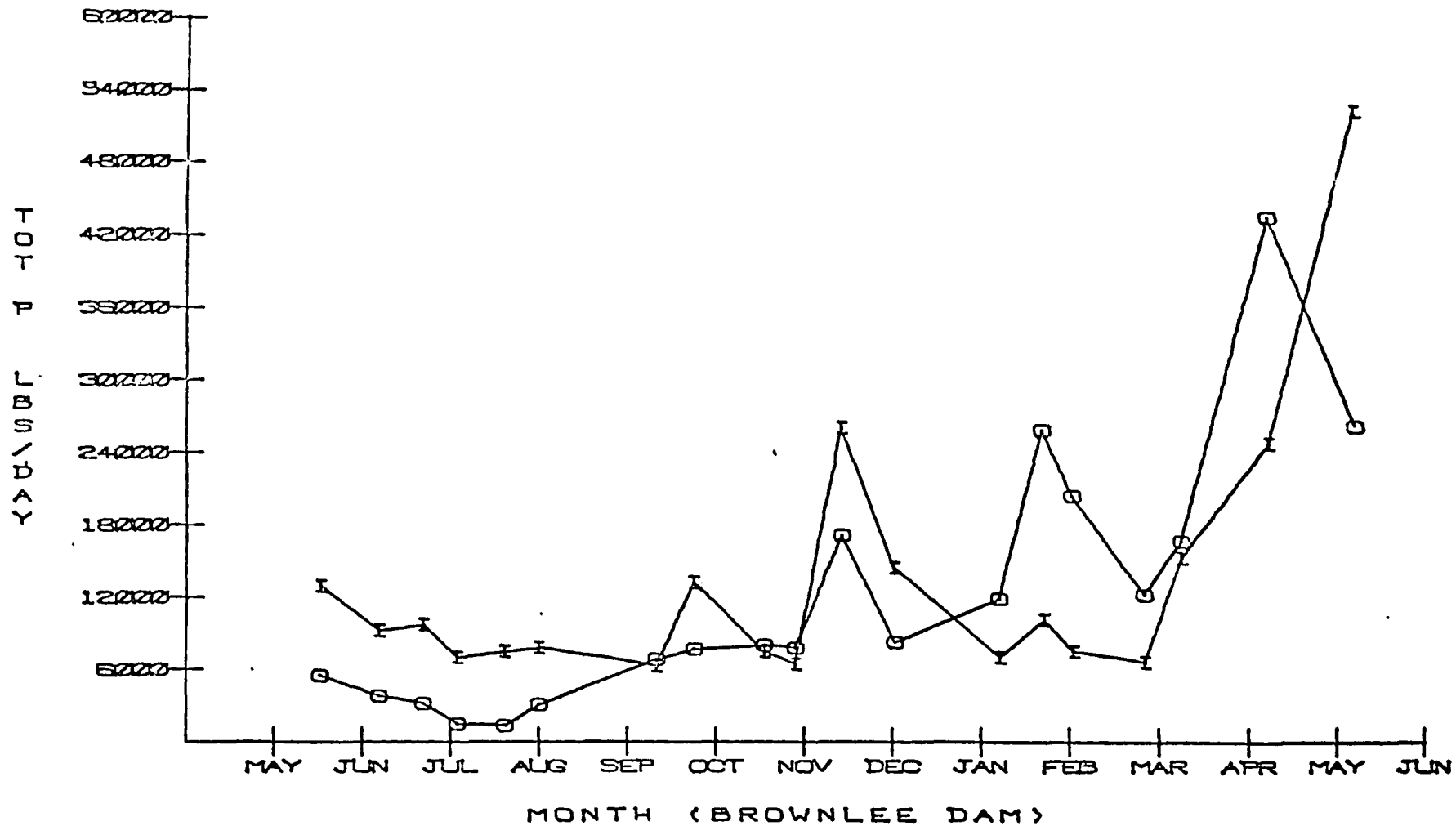
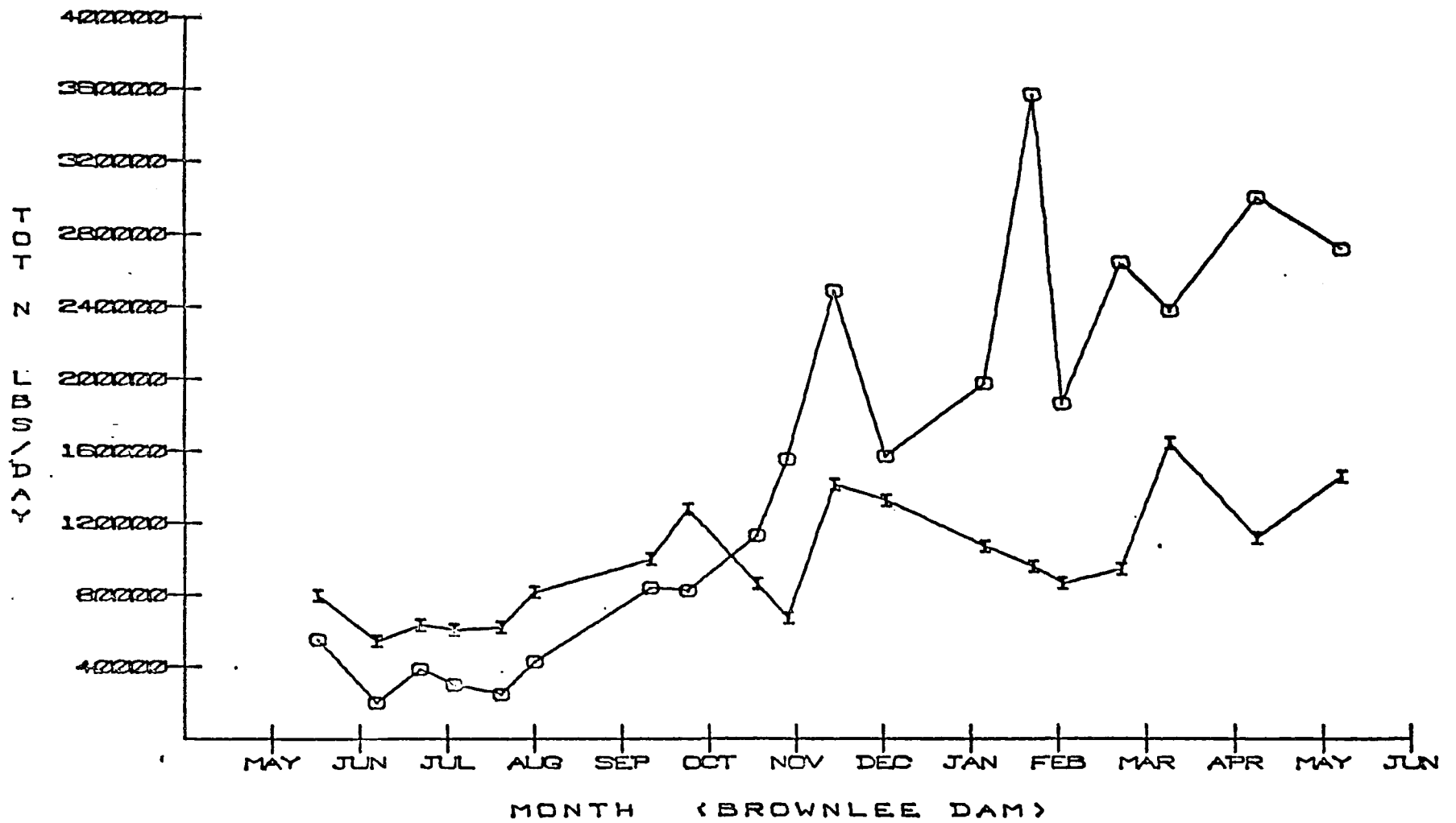


Fig. 7-D



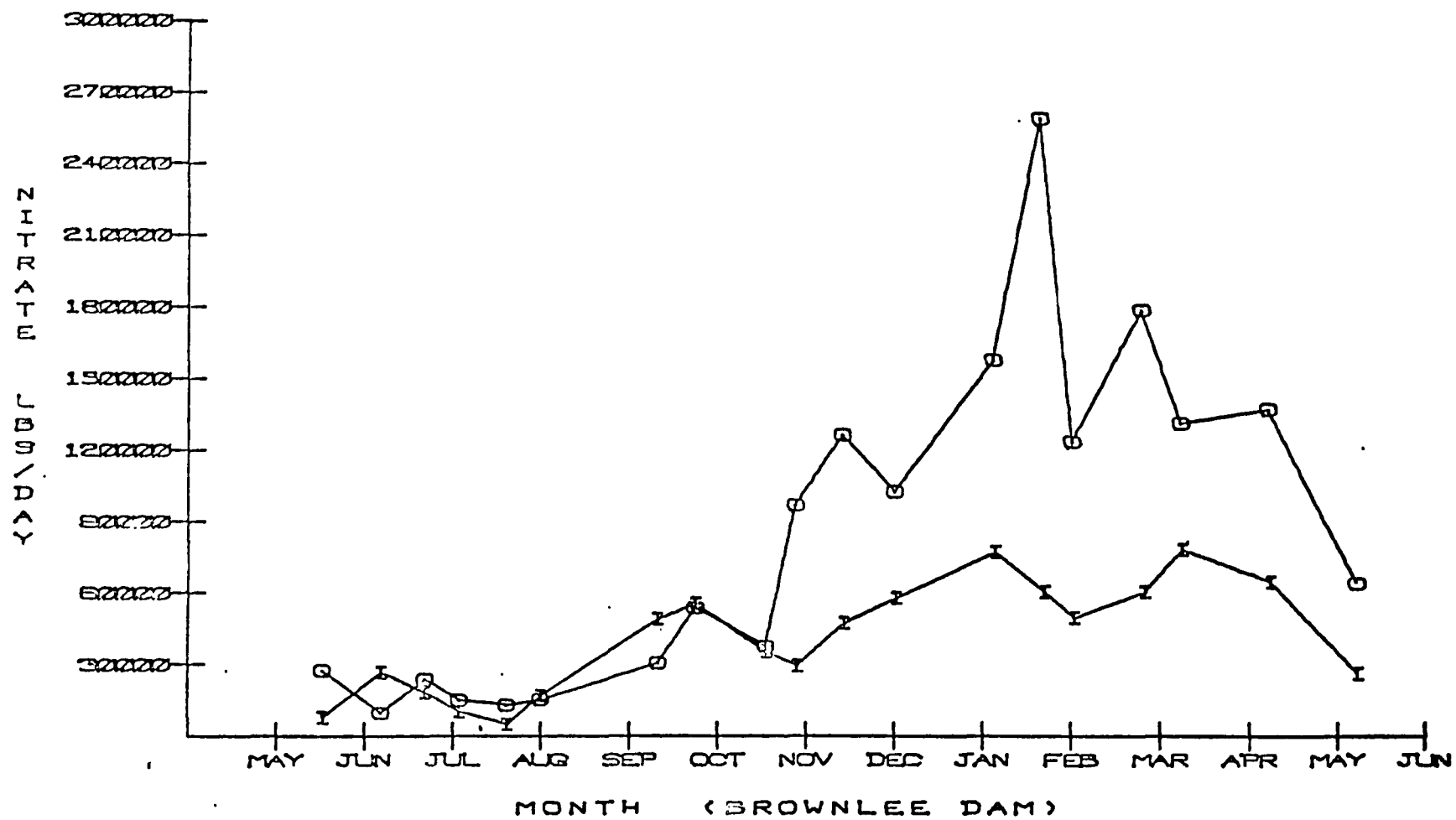


Fig. 9-D

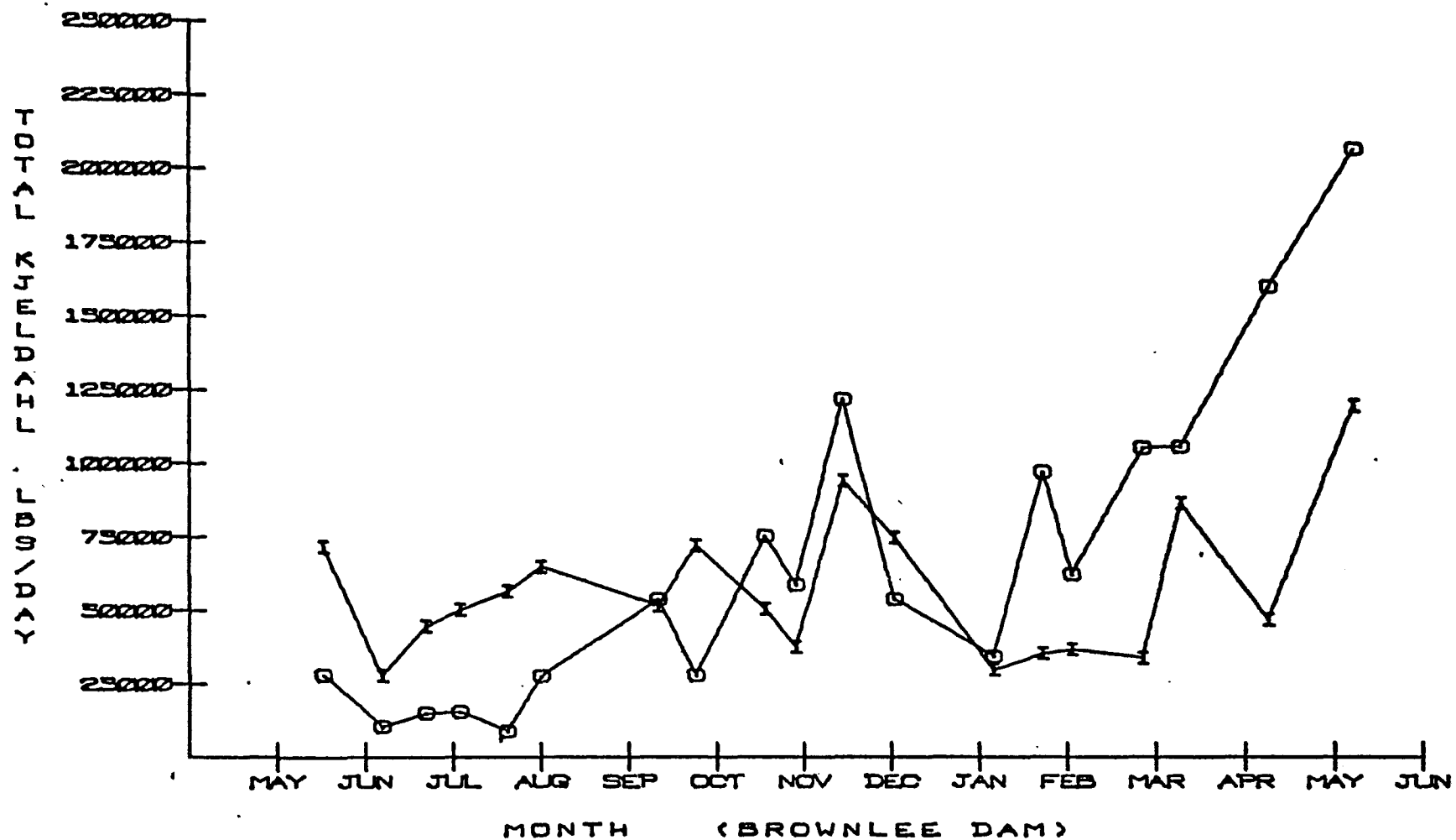


Fig. 10-D

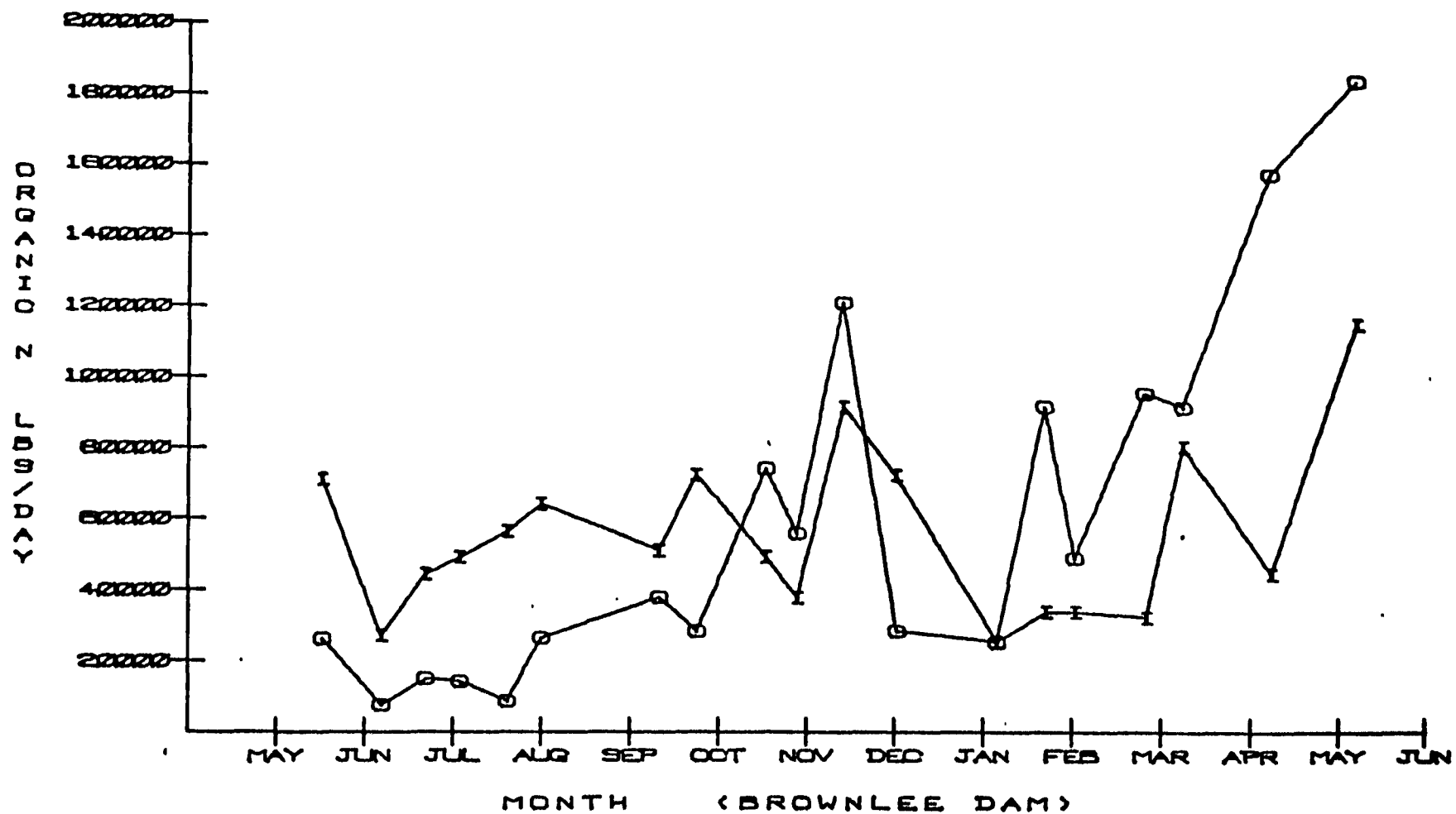


Fig. 11-D

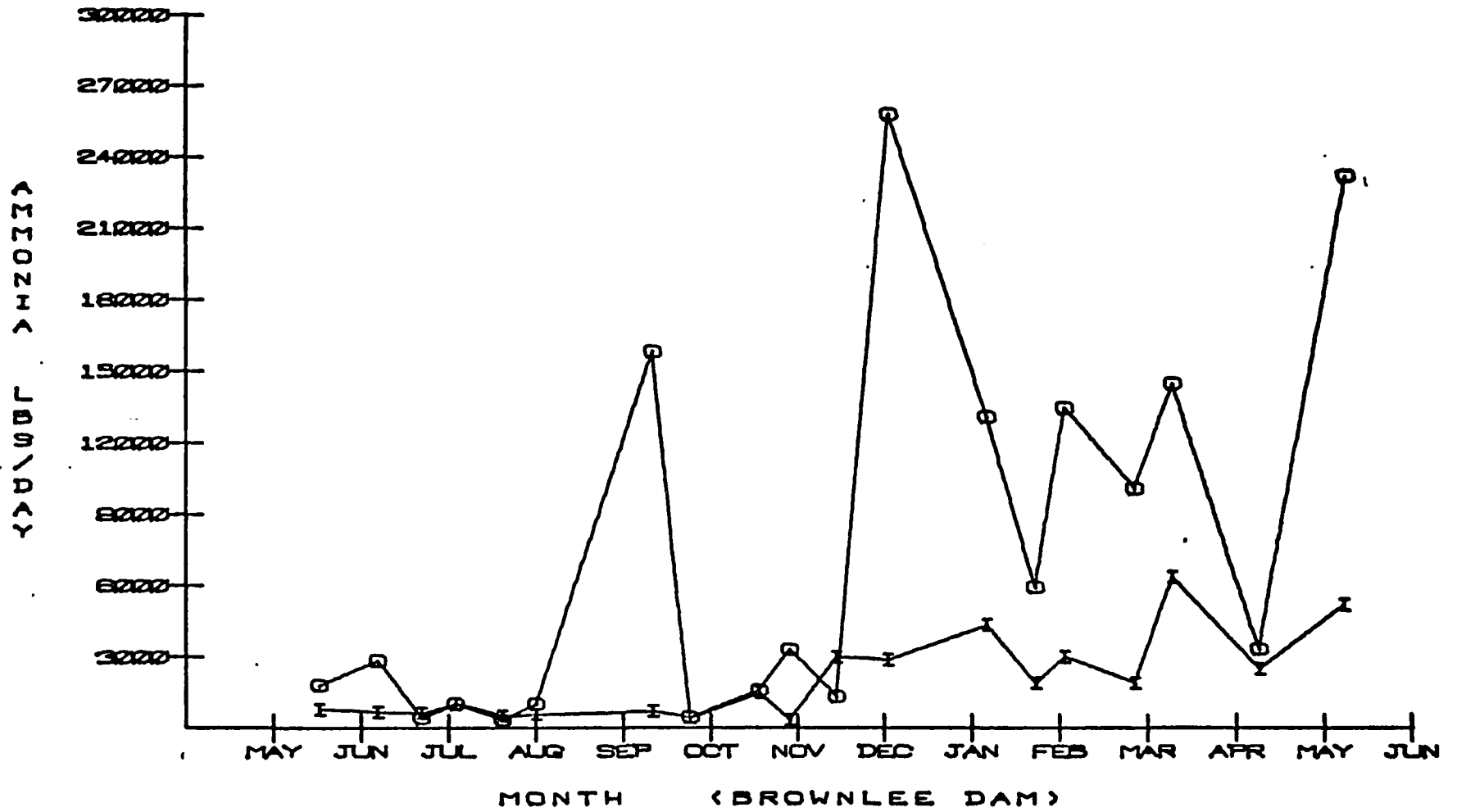


Fig. 12-D

WATER RESOURCES PROJECT

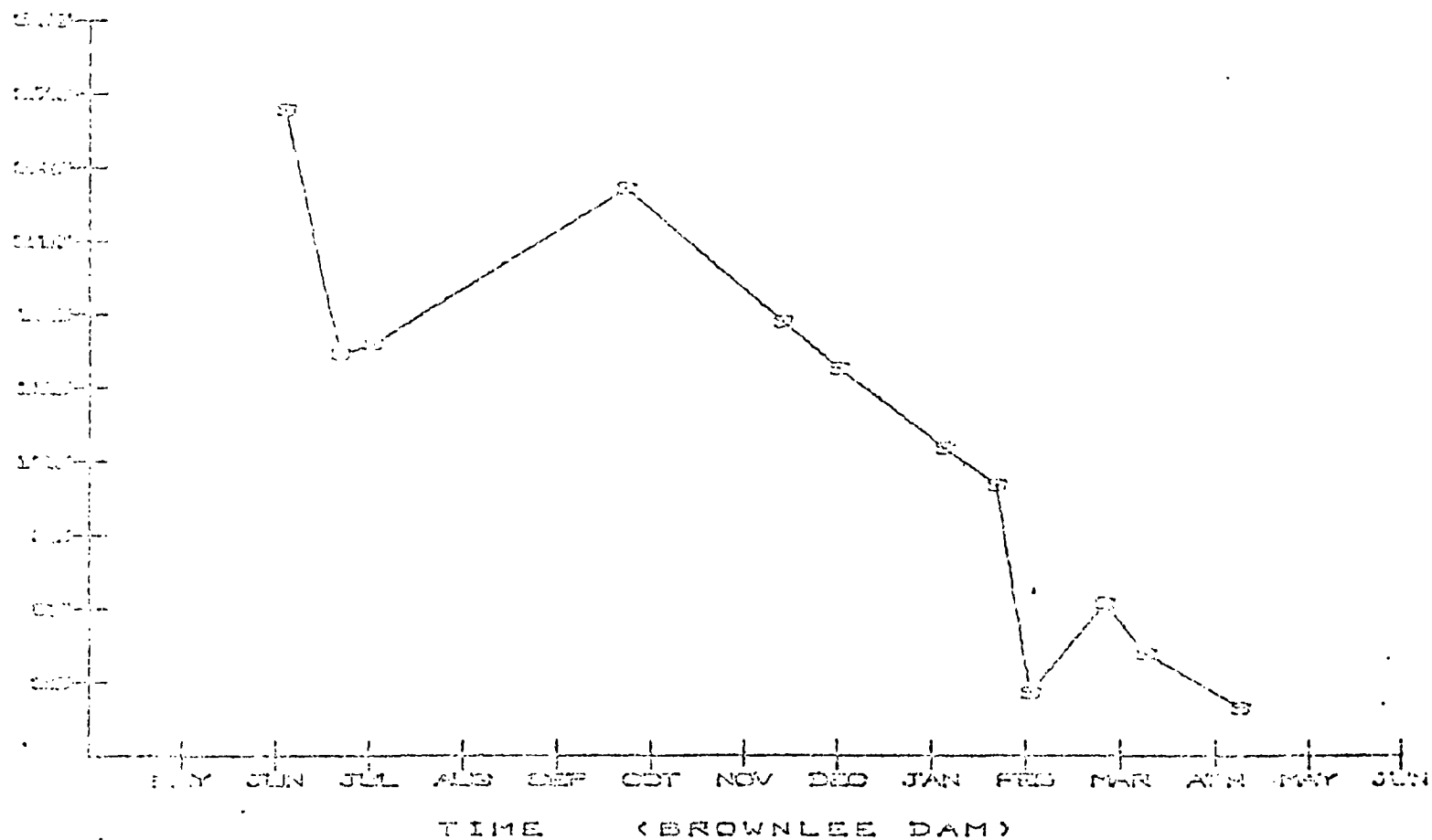


Fig. 15-D

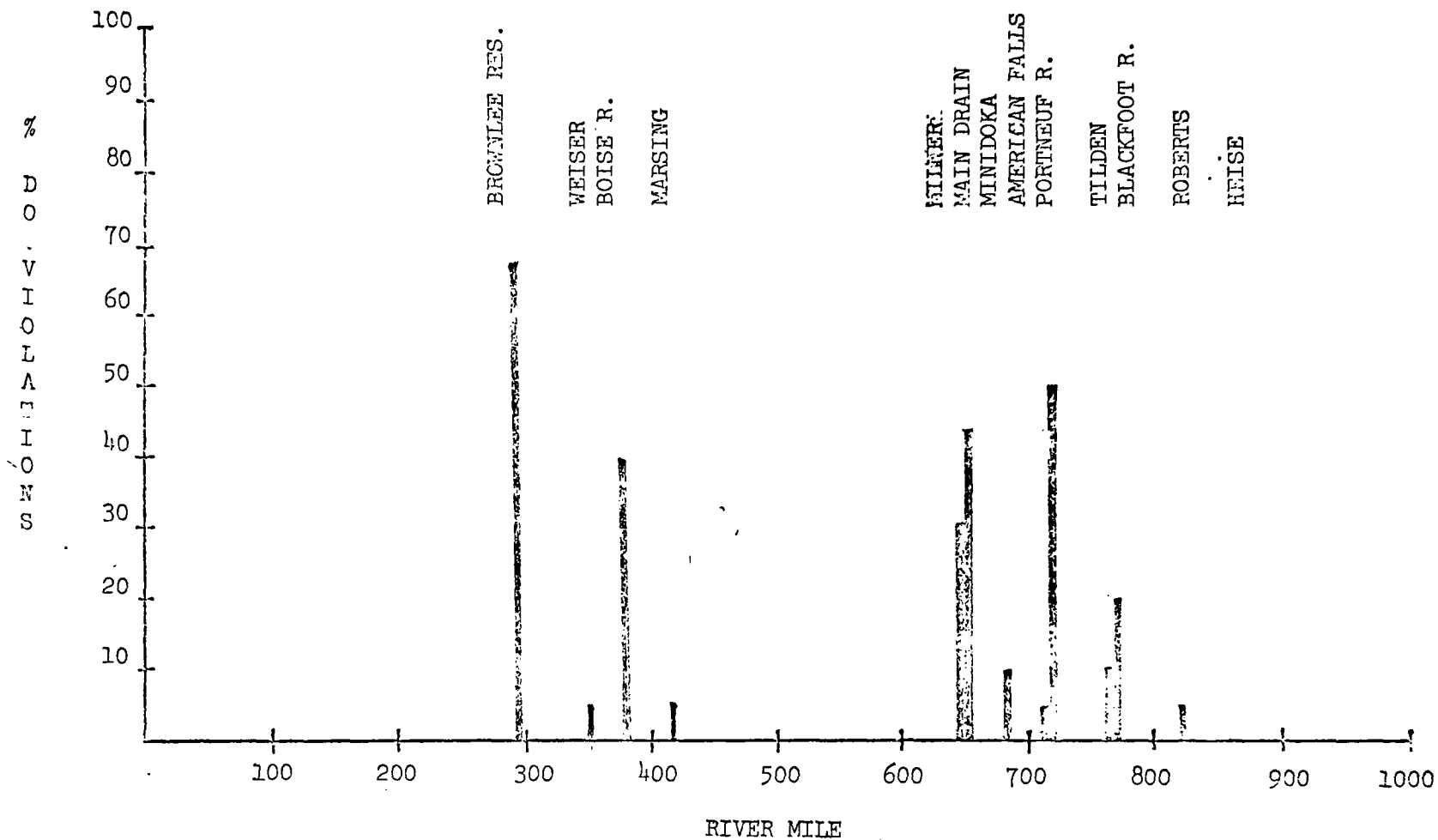


Fig 1-E

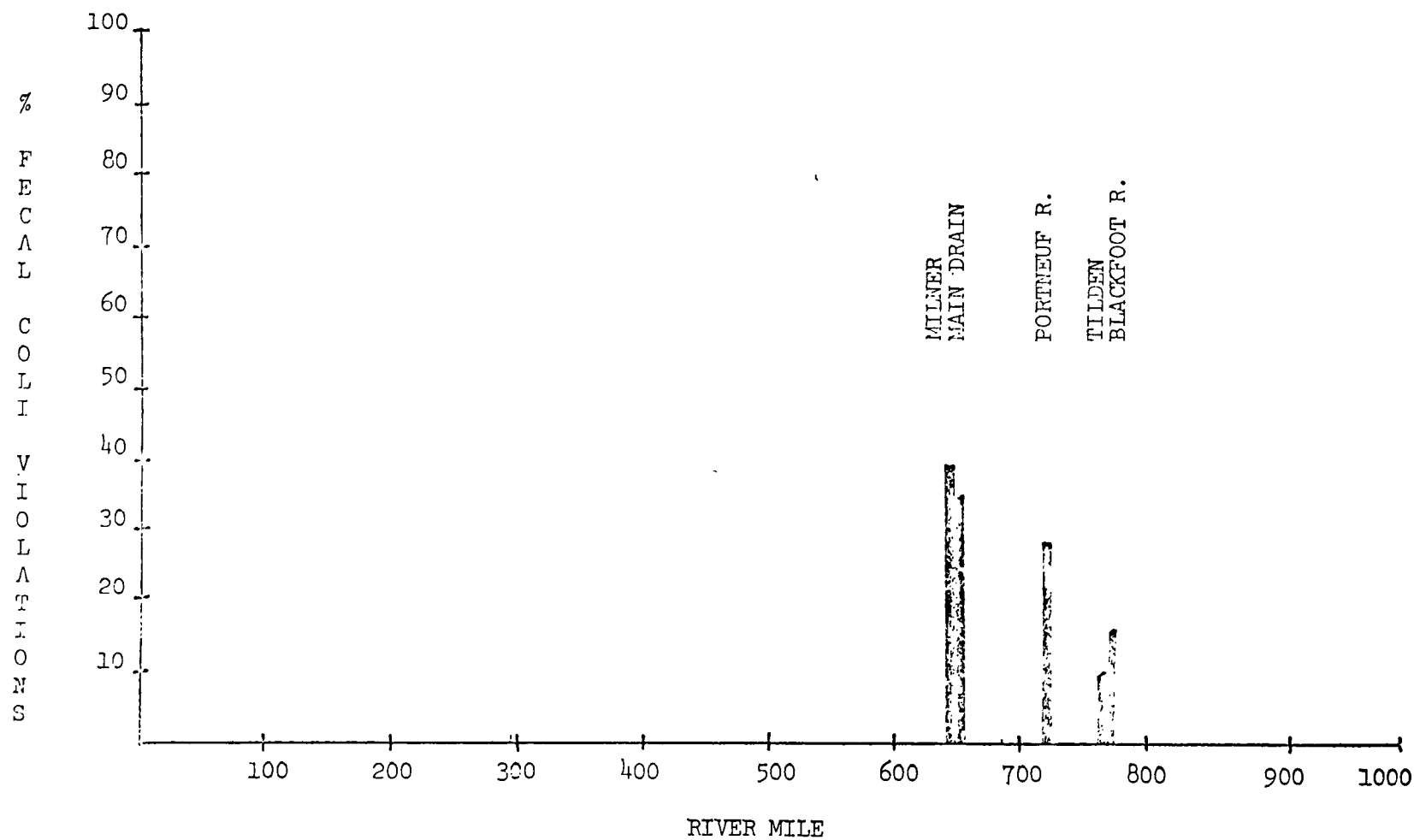


Fig. 2-E

APPENDIX B

Receiving water quality outside the mixing zone will be maintained at water quality standards contained herein, or existing water quality levels, whichever is higher.

- D. In the application of the use classification, the most stringent criterion of a multiple criteria shall apply.
- E. Sample collection, preservation and analytical procedures to determine compliance with these standards shall conform to the procedures prescribed by the latest edition of Standard Methods For The Examination Of Water And Wastewater, and other superseding methods published by the Department following consultation with adjacent states, and the concurrence of the Environmental Protection Agency.

VI. WATER USE CLASSIFICATION

The designated use(s) for which the waters of the State are to be protected shall include, but not necessarily limited to domestic and industrial water supply, irrigation and stock watering, recreation and/or aesthetic qualities. (See appendix, USES TO BE PROTECTED.) Recreational waters are further divided into two classes: (1) primary contact, and (2) secondary contact. Primary contact recreational waters (Class A) are for uses where the human body may come in direct contact with the raw water to the point of complete submergence. The raw water may be accidentally ingested and certain sensitive organs such as eyes, ears, nose, etc. may be exposed to the water. These waters may be used for swimming, water skiing, skin diving, support and propagation of fish, aquatic and semi-aquatic life, and other forms of wildlife.

Primary contact recreational waters are further divided into sub-classes A₁ and A₂. Class A₁ is restricted to lakes and impoundments in which exceptionally high water quality exists. Waters of all lakes and impoundments shall be class A₁ unless otherwise excepted. In the instances where a flowing stream is classified and subsequently becomes an impoundment, that impoundment shall carry the same classification as the flowing stream. Class A₂ includes the remainder of the primary contact recreational waters.

Secondary contact recreational waters (Class B) are for uses in which the raw water supply is suitable for support and propagation of fish and other aquatic and semi-aquatic life, and other forms of wildlife. These waters may be used for boating, wading and other activities where ingestion of the raw water is not probable.

Waters classified as excepted (Class E) are waters in which, due to natural and/or man-made cause, the quality is not compatible with recreational uses. These waters are protected for the use(s) specified. The numerical value of the various parameters for specific Water Quality Standards contained herein under Section VIII shall apply to all Class E waters unless an alternate value for a given parameter is specified in Section IX for the waters under consideration.

Natural tributaries to the stream reaches are classified as primary recreational waters, Class A₂, unless otherwise specified. Waterways defined as a point source in Section 502(14), Public Law 92-500, are a means of conveyance for waters with no use classification. Canals and other man-made waterways excluded as a point source are protected for agricultural uses and aesthetic qualities and may be protected for other uses when specified.

In the instance where a flowing stream is classified and subsequently becomes an impoundment, that impoundment shall carry the same classification as the flowing stream. The criteria established for the various use-classifications may be modified by the Administrator for limited periods when receiving waters fall below their assigned water quality standards due to natural causes or if, in the opinion of the Administrator, the protection of the overall interest and welfare of the public requires such a modification.

III. GENERAL WATER QUALITY STANDARDS FOR WATERS OF THE STATE

The following general water quality standards will apply to waters of the State, both surface and underground, in addition to the water quality standards set forth for specifically classified waters. Waters of the State shall not contain:

- A. Toxic chemicals of other than natural origin in concentrations found to be of public health significance or to adversely affect the use for which the waters have been classified.*
- B. Deleterious substances of other than natural origin in concentrations that cause tainting of edible species of fish or tastes and odors to be imparted to drinking water supplies.
- C. Radioactive materials or radioactivity other than of natural origin which
 - 1. Exceed 1/3 of the values listed in Column 2, Table II, Appendix A, Idaho Radiation Control Regulations as adopted by the Board on May 9, 1973.
 - 2. Exceed the concentrations specified in the 1962 U. S. Public Health Service Drinking Water Standards for waters used for domestic supplies.

* Guides such as the Water Quality Criteria published by the State of California Water Quality Control Board (Second Edition, 1963) and more recent research papers will be used in evaluating the tolerances of the various toxic chemicals for the use indicated.

3. Have a demonstrable effect on aquatic life.

The concentration of radioactive materials in these waters shall be less than those required to meet the Radiation Protection Guides for maximum exposure of critical human organs recommended by the former Federal Radiation Council in the case of foodstuffs harvested from these waters for human consumption.

- D. Floating or submerged matter not attributable to natural causes.
- E. Excess nutrients of other than natural origin that cause visible slime growths or other nuisance aquatic growths.
- F. Visible concentrations of oil, sludge deposits, scum, foam or other material that may adversely affect the use indicated.
- G. Objectionable turbidity which can be traced to a man-made source.

III. SPECIFIC WATER QUALITY STANDARDS

No wastewaters shall be discharged and/or no activity shall be conducted in waters of the State which either alone or in combination with other wastewaters or activities will cause in waters of any specified reach, lake or impoundment, or in general surface waters of the State

A. The organism concentrations of the coliform group

- 1. In waters of lakes and impoundments (A₁), except the following, which are classified as A₂ waters:

American Falls Reservoir	R.M. 738.0 to R.M. 714.0
Lake Walcott	
Milner Lake	R.M. 675.0 to R.M. 640.0
Murt. ough Lake	R.M. 690.0 to R.M. 675.0
Crane Falls Reservoir	
C. J. Strike Reservoir	R.M. 514.0 to R.M. 492.0
Lake Lowell	
Brownlee Reservoir	R.M. 338.0 to R.M. 285.0
Oxbow Reservoir	R.M. 285.0 to R.M. 273.0
Hells Canyon Reservoir	R.M. 273.0 to R.M. 247.0

- a. Total coliform concentrations where associated with a fecal source(s) to exceed a geometric mean of 50/100 ml., nor shall more than 20 percent of total samples during any 30-day period exceed 200/100 ml. (as determined by multiple-tube fermentation or membrane filter procedures and based on not less than 5 samples for any 30-day period).

- b. Fecal coliform concentrations to exceed a geometric mean of 10/100 ml., nor shall more than 10 percent of total samples during any 30-day period exceed 20/100 ml.; or greater than 50/100 ml. for any single sample.

Coliform criteria for shoreline waters shall conform with that of Class A₂ waters. Shoreline water waters shall be defined as the 100 feet of water surface as measured from the shoreline.

2. In waters protected for primary contact recreation (A₂)

- a. Total coliform concentrations where associated with a fecal source(s) to exceed a geometric mean of 240/100 ml., nor shall more than 20 percent of total samples during any 30-day period exceed 1000/100 ml. (as determined by multiple-tube fermentation or membrane filter procedures and based on not less than 5 samples for any 30-day period).
- b. Fecal coliform concentrations to exceed a geometric mean of 50/100 ml., nor shall more than 10 percent of total samples during any 30-day period exceed 200/100 ml.; or greater than 500/100 ml. for any single sample.

3. In waters protected for secondary contact recreation (B)

- a. Total coliform concentrations where associated with a fecal source(s) to exceed a geometric mean of 1000/100 ml., nor shall more than 20 percent of total samples during any 30-day period exceed 2400/100 ml. (as determined by multiple-tube fermentation or membrane filter procedures and based on not less than 5 samples for any 30-day period).
- b. Fecal coliform concentrations to exceed a geometric mean of 200/100 ml., nor shall more than 10 percent of total samples during any 30-day period exceed 400/100 ml.; or greater than 800/100 ml. for any single sample.

B. Dissolved Oxygen

The DO concentration to be less than 6 mg/l or 90 percent of saturation, whichever is greater.

- 1. The DO standard shall apply to all flowing waterways.
- 2. The DO standard shall apply to the waters of all natural lakes and reservoirs except as excluded below:
 - a. In depths of water less than 100 feet in natural lakes or reservoirs, the bottom 20 percent of water depth shall

be excluded from application of the DO standard. In water depths greater than 100 feet, the bottom 20 feet of water depth shall be excluded for application of the DO standard.

- b. Waters below a thermocline in stratified lakes or impoundments shall be excluded from application of the DO standard.
 - c. No wastewaters shall be discharged and/or, no activity shall be conducted in waters excluded by a. and b. above, which either alone or in combination with other wastewaters or activities will cause the DO concentration in these waters to be less than 4 mg/l.
3. Notwithstanding exclusion of a. and b. above, the DO standard shall always apply to the top two feet of any lake or reservoir.

C. Hydrogen Ion Concentration (pH)

The pH values to be outside the range of 6.5 to 9.0. The induced variations shall not be more than 0.5 pH units.

D. Temperature

- 1. Any measurable increase when water temperatures are 66°F or above, or more than 2°F increase other than from natural causes when water temperatures are 64°F or less (unless otherwise specified).
- 2. Any increase exceeding 0.5°F due to any single source, or 2°F due to all sources combined.

For purposes of determining compliance, a "measurable increase" means no more than 0.5°F rise in temperature of the receiving water as measured immediately outside of an established mixing zone. Where mixing zone boundaries have not been defined, cognizance will be given to the opportunity for admixture of wastewater with the receiving water.

3. Any measurable increase when water temperatures are 68°F or above, or more than 2°F increase other than from natural causes when the water temperatures are 66°F or less in the following waters:
- a. The main stem of the Snake River from the Oregon-Idaho border (R.M. 407) to the interstate line at Lewiston, Idaho (R.M. 139)
 - b. The Spokane River from Coeur d'Alene Lake outlet to the Idaho-Washington border.

c. The Palouse River from Princeton to the Idaho-Washington border.

d. The Pend Oreille River from the Pend Oreille Lake outlet to the Idaho-Washington border.

E. Turbidity

The turbidity other than of natural origin to exceed 5 Jackson Turbidity Units (JTU). Whenever the receiving water is greater than 5 JTU, due to conditions other than those caused by man, then no discharge and/or activity either alone or in combination with other wastewater or activity shall cause an increase of more than 5 JTU.

F. Total Dissolved Gas

The total concentration of dissolved gas shall not exceed 110 percent of saturation at atmospheric pressure at the point of sample collection due to non-natural causes. (In compliance with this standard Paragraph C, Section III, General Requirements shall apply.)

X. SPECIFIC WATER QUALITY STANDARDS FOR CLASS E WATERS

Specific water quality standards contained herein under Section VIII shall apply to all Class E waters except as enumerated in this Section.

- A. No wastewater shall be discharged and/or no activity shall be conducted which either alone or in combination with other wastewaters will cause the organism concentration of the coliform group in waters of the South Fork Coeur d'Alene River, Mullan to Enaville, or Paradise Creek, upper reaches to State line.
1. The total coliform concentrations where associated with a fecal source(s) to exceed a geometric mean of 240/100 ml., nor shall more than 20 percent of total samples during any 30-day period exceed 1000/100 ml. (as determined by multiple-tube fermentation or membrane filter procedures and based on not less than 5 samples for any 30-day period); or greater than 2400/100 ml. for any single sample.
 2. The fecal coliform concentrations to exceed a geometric mean of 50/100 ml., nor shall more than 10 percent of total samples during any 30-day period exceed 200/100 ml.; or greater than 500/100 ml. for any single sample.
- B. No wastewaters shall be discharged and/or no activity shall be conducted which either alone or in combination with other wastewaters will cause the DO concentration to be less than 75 percent of saturation in waters of Paradise Creek, upper reaches to the State line.

APPENDIX C

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153361
44 06 40.0 111 26 52.0
HENRYS FORK AN ASHTON RESERVOIR
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMENDN /100ML	31616 FEC COLI MEM-FCHR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/19	14 00	0000	25401	12.7	10.3	8.40	150	51	300	10K		
73/07/05	04 45	0000	27401	20.5	9.8	8.70	155	75	40	10K		
73/07/17	10 30	0000	28401	17.7	9.2	8.10	165	59	10K	10K		
73/08/01	20 15	0000	31401	14.0	8.2	8.10	170	61	10K	20		
73/08/21	10 05	0000	34832	16.4	8.2	8.10	140	60	20	10K		2800
73/08/22	04 45	0000	34881	15.7	9.0	8.40	150	60	120	20		2800
73/08/23	10 00	0000	34932	16.3	8.8	7.60	110	60	60	10K		2800
73/09/13	14 45		37401	15.8	10.9	9.00	140	59	40	0		
73/10/16	17 00	000	42401	12.1	11.8	8.80	137	53	10K	10K		
73/10/31	10 10	0000	44401		9.9	7.10	150	61	10K	100K		
73/11/13	10 20	0000	46401	4.8	10.6	7.60	155	54	100	10		
73/12/05	12 10	0000	49401	1.4	9.6	8.00	175	48	10K	10K		
73/12/18	17 00	0000	51401	2.0	12.5	8.30	185		10K	10K		
74/01/22	14 00	0000	4901	2.6	11.4	7.60	145	60	10K	10K		
74/02/07	10 30	0000	6901	0.0	11.3	7.90	208	59	130			
74/02/26	14 30	0000	9401	1.4	13.1		140		23	1		
74/03/14	09 00	0000	11401	2.3	10.7		185		80	60		
74/04/10	09 15	0000	15401	6.7	9.7		170		600	30		
74/05/08	13 30	0000	19401	8.5	12.8	7.90	140	60	200	10K		

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153361
44 06 40.0 111 26 52.0
HENRYS FORK AR ASHTON RESERVOIR
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW INST-CFS	32211 CHLOROPHYL A UG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLOROPHYL A MG/M2 CORRECTED	00605 ORG N MG/L	00625 TOT KJEL MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/19	14 00	0000	25401	2108			0.21	0.320	0.320	0.010K		
73/07/05	09 45	0000	27401	464			2.53	0.470	0.470	0.010K		
73/07/17	10 30	0000	24401	2276			3.99	0.150	0.150	0.010K		
73/08/01	20 15	0000	31401		0.00 14.00			0.170	0.170	0.010K		
73/08/21	10 05	0000	34432						0.360	0.010	0.001	0.020
73/08/22	09 45	0000	34441						0.380	0.010K	0.002	0.020
73/08/23	10 00	0000	34432						0.230	0.010K	0.001	0.020
73/09/13	14 45		37401	2223			1.68	0.230	0.230	0.010K		
73/10/16	17 00	0000	42401	1725			7.15		0.060	0.010	0.001	0.040
73/10/31	10 10	0000	44401	367			9.87		0.600	0.060	0.001	0.050
73/11/13	10 20	0000	46001	1922					0.220	0.010K	0.001	0.070
73/12/05	12 10	0000	44401	1065			9.64		0.240	0.010	0.004	0.060
73/12/18	17 00	0000	51401	943					0.180	0.010	0.003	0.080
74/01/22	14 00	0000	4401					0.060	0.080	0.020	0.004	0.190
74/02/07	10 30	0000	6401					0.200	0.230	0.030	0.004	0.160
74/02/26	14 30	0000	4401					0.230	0.260	0.030	0.002	0.120
74/03/14	09 00	0000	11401					0.060	0.080	0.020	0.001	0.090
74/04/10	09 15	0000	15401					0.180	0.220	0.040	0.003	0.140
74/05/08	13 30	0000	14401				5.22	0.180	0.200	0.020	0.002	0.090

STORET RETRIEVAL DATE 75/09/18
HIPPER SNAKE

153361
44 06 40.0 111 26 52.0
HENRYS FORK AN ASHTON RESERVOIR
16 IDAHO
PACIFIC NORTHWEST
HIPPER SNAKE RIVER BASIN
1119050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS,TOT UG/L	01051 LEAD PB,TOT UG/L	01027 CADMIUM CD,TOT UG/L	71900 MERCURY HG,TOTAL UG/L
73/06/19	14 00	0000	25401	0.02	0.030			0.02				
73/07/05	09 45	0000	27901	0.03	0.020			0.02				
73/07/17	10 30	0000	24901	0.02	0.030			0.02	4		1	0.3
73/08/01	20 15	0000	31901	0.02	0.030			0.03	6		5	0.4
73/08/21	10 05	0000	34432		0.040	0.010	6.0					
73/08/22	09 45	0000	34881		0.040	0.010						
73/08/23	10 00	0000	34932		0.040	0.010						
73/09/13	14 45		37901	0.02	0.020			0.01	2		3	1.1
73/10/16	17 00	0000	42401		0.020	0.010K		0.01K	4		3	0.9
73/10/31	10 10	0000	44401		0.030	0.010						
73/11/13	10 20	0000	45401		0.020	0.010K			3		13	0.9
73/12/05	12 10	0000	49401		0.020	0.010K			0.1		500	0.9
73/12/18	17 00	0000	51401		0.010	0.010						
74/01/22	14 00	0000	4901		0.020	0.010					6	0.9
74/02/07	10 30	0000	6901		0.070	0.010K			2		16	0.4
74/02/26	14 30	0000	4901		0.040	0.010						
74/03/14	09 00	0000	11401		0.020	0.010			1		4	0.1
74/04/10	09 15	0000	15401		0.080	0.010			2	15	1K	0.6
74/05/08	13 30	0000	14401		0.060	0.010			3		1	1.3

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153355
43 54 15.0 111 39 05.0
HENRYS FORK ABOVE ST ANTHONY
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE

1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 /100ML	31616 FEC COLI MFIM-FCHR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/19	12 30	0000	25902	11.7	10.3	8.40	151	49	10K	100K		
73/07/04	16 30	0000	27902	20.9	8.4	8.50	155	77	10K	10K		
73/07/17	04 15	0000	24902	17.7	8.5	7.60	175	60	60	10		
73/08/01	18 00	0000	31902	22.6	8.0	8.80	170	62	10K	10		
73/08/21	10 10	0000	34902	16.4	8.0	7.60	160	63	140	10K		1240
73/08/22	11 15	0000	34961	17.9	8.7	7.90	160	66	80	30		1340
73/08/23	10 25	0000	34907	16.8	8.5	7.60	150	63	90	10K		1380
73/09/13	12 35	0000	37902	16.5	9.9	8.90	175	64	0	0		
73/09/26	10 30	000	39902	8.6	8.6	7.80	160	60				
73/10/16	15 00	0000	42902	12.3	10.4	8.70	150	54	10K	10K		
74/10/31	12 15	0000	44902	6.1	10.8	7.60	170	64	10K	10K		
73/11/13	12 40	0000	46902	5.3	11.0	7.90	160	58	80	10		
73/12/05	14 30	0000	49902	1.3	13.4	8.10	185	78	10K	10K		
73/12/18	15 30	0000	51902	1.5	13.1	8.80	190		10K	10K		
74/01/10	12 00	0000	2902	0.0	11.2	7.90	160	60	10K	10K		
74/01/22	12 50	0000	4902	0.9	12.0	7.80	185	61	10K	10K		
74/02/06	14 30	0000	6902	0.4	11.5	8.40	220	64	90			
74/02/26	13 45	0000	9902	1.0	12.8		230		15	0		
74/03/13	18 15	0000	11902	3.4	12.3		185		10	10K		
74/04/10	08 00	0000	15902	6.4	9.6		175		520	30		
74/05/08	11 45	0000	19902	8.1	13.2	8.00	240	95	350	10L		

STORET RETRIEVAL DATE 75/09/14
UPPER SNAKE

153355
43 59 15.0 111 39 05.0
HENRYS FORK ABOVE ST ANTHONY
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2
2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	000008 LAB IDENT. NUMBER	000061 STREAM FLOW INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	000605 ORG N N MG/L	000625 TOT KJEL N MG/L	000610 NH3-N TOTAL MG/L	000615 NO2-N TOTAL MG/L	000620 NO3-N TOTAL MG/L
73/06/19	12 30	0000	25902	2990			1.29	0.220	0.220	0.010K		
73/07/04	16 30	0000	27902	1190			0.91	0.440	0.450	0.010		
73/07/17	08 15	0000	29902	1166			1.53	0.210	0.210	0.010K		
73/08/01	18 00	0000	31902	1010			0.81	0.280	0.290	0.010		
73/08/21	10 10	0000	34902						0.070	0.010K	0.001	0.020
73/08/22	11 15	0000	34861						0.280	0.010	0.001	0.040
73/08/23	10 25	0000	34907						0.400	0.010K	0.001	0.020
73/09/13	12 35	0000	37902	1178			0.38	0.290	0.290	0.010K		
73/09/26	10 30	0000	39902	1276			0.84		0.260	0.020	0.001	0.060
73/10/16	15 00	0000	42902	1250	156.00				0.160	0.010	0.001	0.010
73/10/31	12 15	0000	44902	1928			0.10		0.290	0.020	0.001	0.050
73/11/13	12 40	0000	46902	2671			1.57		0.270	0.020	0.001	0.090
73/12/05	14 30	0000	49902	3521			0.04		0.230	0.010	0.003	0.100
73/12/18	15 30	0000	51902						0.240	0.010	0.003	0.090
74/01/10	12 00	0000	2902	2028				0.170	0.190	0.020	0.003	0.240
74/01/22	12 50	0000	4902					0.170	0.190	0.020	0.004	0.220
74/02/06	19 30	0000	6902	1142				0.210	0.230	0.020	0.003	0.160
74/02/26	13 45	0000	9902	1566				0.190	0.200	0.010	0.002	0.130
74/03/13	18 15	0000	11902	1912				0.180	0.200	0.020	0.002	0.090
74/04/10	08 00	0000	15902					0.190	0.210	0.020	0.005	0.210
74/05/08	11 45	0000	19902					0.200	0.210	0.010	0.002	0.090

START RETRIEVAL DATE 75/09/18
UPPER SNAKE

153355
43 59 15.0 111 39 05.0
HENRYS FORK ABOVE ST ANTHONY
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119E050
2

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NICKEL N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHO MG/L P	00680 T ORG C C MG/L	00660 ORTHOPO4 PO4 MG/L	01002 ARSENIC AS,TOT UG/L	01051 LEAD PB,TOT UG/L	01027 CADMIUM CD,TOT UG/L	71900 MERCURY HG,TOTAL UG/L
73/06/19	12	30	0000	25902	0.05	0.030		0.02				
73/07/04	16	30	0000	27402	0.02	0.020		0.01				
73/07/17	08	15	0000	24402	0.02	0.020		0.01				
73/08/01	18	00	0000	31402	0.02	0.030		0.02				
73/08/21	10	10	0000	34802		0.060	0.010K	5.0				
73/08/22	11	15	0000	34861		0.060	0.010	7.0				
73/08/23	10	25	0000	34907		0.060	0.010					
73/09/13	12	35	0000	37902	0.01	0.020		0.01K				
73/09/26	10	30	0000	34402		0.060	0.010K		0.01	4	15	0.3
73/10/16	15	00	0000	42402		0.020	0.010K		0.01K	6		0.8
73/10/31	12	15	0000	44402		0.020	0.010K			4		0.8
73/11/13	12	40	0000	46402		0.020	0.010K			4		0.8
73/12/05	14	30	0000	44402		0.020	0.010K					0.9
73/12/18	15	30	0000	51402		0.020	0.010					
74/01/10	12	00	0000	2402		0.030	0.010					
74/01/22	12	50	0000	4402		0.020	0.010					
74/02/06	19	30	0000	6402		0.130	0.010K					
74/02/26	13	45	0000	4902		0.040	0.010K					
74/03/13	18	15	0000	11402		0.030	0.010					
74/04/10	08	00	0000	15402			0.010K					
74/05/08	11	45	0000	14402		0.060	0.010					

STORET RETRIEVAL DATE 75/09/19
UPPER SNAKE

153356
44 01 10.0 111 33 55.0
FALLS RIVER NR MOUTH
15 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119050
2

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	000004 LAB IDENT. NUMBER	000100 WATER TEMP CENT	003000 DO MG/L	004000 PH SU	000004 CONDUCTIVY FIELD MICROMHO	004100 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 /100ML	31616 FEC COLI MFEM-FCHK /100ML	000077 TRANSP SECCHI INCHES	000060 STREAM FLOW CFS
73/06/19	14	50	0000	25403	11.7	9.8	8.20	119	34	150	10K	
73/07/05	08	00	0000	27403	20.0	9.0	8.90	130	50	20	10K	
73/07/17	08	45	0000	24403	17.6	8.4	7.50	180	55	220	80	
73/08/01	18	45	0000	31403	24.3	7.2	8.80	190	62	600	20	
73/08/21	10	35	0000	34400	14.8	8.6	7.60	195	69	10K	10K	69
73/08/22	12	10	0000	34860	17.8	8.6	7.90	200	63	150	30	115
73/08/23	10	40	0000	34906	15.9	8.7	7.50	150	63	340	30	108
73/09/13	13	15		37903	17.2	9.3	8.60	210	64	10K	0	
73/09/26	11	30	0000	39903	7.3	9.8	7.90	190	60			
73/10/16	15	45	0000	42403	13.3	8.9	8.40	197	66	10K	10K	
73/10/31	11	35	0000	46403	4.8	10.8	7.80	210	69	100K	100K	
73/11/13	11	45	0000	46403	3.8	11.2	7.50	200	60	20	10K	
73/12/05	13	45	0000	49403	0.0	11.3	7.70	250	52	10K	10K	
73/12/18	16	00	0000	51903	1.0	12.8	8.60	220		10K	10K	
74/01/10	14	30	0000		0.0							
74/01/22	11	45	0000		0.0							
74/02/06	18	30	0000		0.0							
74/03/14	08	05	0000	11403	0.1	11.8		240		10	10	
74/04/10	08	30	0000	15403	6.5	9.7		238		270	40	
74/05/08	12	45	0000	19403	5.1	14.0	7.80	95	120	10L	10L	

STORED RETRIEVAL DATE 75/09/18
UPPER SNAKE

153356
44 01 10.0 111 33 55.0
FALLS RIVER NR MOUTH
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119050
2

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NH2-N TOTAL MG/L	00620 NH3-N TOTAL MG/L
73/06/19	14 50	0000	25403	1280	4.30			0.180	0.180	0.010K		
73/07/05	08 00	0000	27403	514				0.170	0.190	0.020		
73/07/17	08 45	0000	28403	127	9.50		0.86	0.360	0.380	0.020		
73/08/01	18 45	0000	31403	98			0.14	0.300	0.320	0.020		
73/08/21	10 35	0000	34800						0.200	0.010K	0.001	0.140
73/08/22	12 10	0000	36860						0.170	0.010	0.002	0.170
73/08/23	10 40	0000	34406						0.070	0.010	0.002	0.130
73/09/13	13 15		37403	228	4.02			0.160	0.160	0.010K		
73/09/26	11 30	0000	38403	375			1.66		0.160	0.030	0.001	0.160
73/10/16	15 45	0000	42403	418			0.39		0.180	0.040	0.002	0.100
73/10/31	11 35	0000	44903	532			0.20		0.350	0.010	0.001	0.220
73/11/13	11 45	0000	46403	752			0.17		0.400	0.020	0.001	0.180
73/12/05	13 45	0000	48403	499	4.00				0.130	0.010K	0.002	0.220
73/12/18	16 00	0000	51403	476					0.270	0.010	0.002	0.180
74/03/14	08 05	0000	11403	423				0.010	0.030	0.020	0.002	0.260
74/04/10	08 30	0000	15403	449				0.260	0.280	0.020	0.005	0.210
74/05/08	12 45	0000	19903					0.270	0.280	0.010	0.002	0.090

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153356
44 01 10.0 111 33 55.0
FALLS RIVER NR MOUTH
16 10AHD
PACIFIC NORTHWEST
UPPER SNAKE
1119050
2

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L F	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C MG/L	00660 ORTHOP04 PO4 MG/L	01002 ARSENIC AS.TOT UG/L	01051 LEAD PB.TOT UG/L	01027 CADMIUM CD.TOT UG/L	71900 MERCURY HG.TOTAL UG/L
73/06/19	14 50	0000	25903	0.1	0.020			0.02				
73/07/05	08 00	0000	27903	0.02	0.010			0.01				
73/07/17	08 45	0000	29903	0.1	0.020			0.02				
73/08/01	18 45	0000	31903	0.1	0.020			0.02				
73/08/21	10 35	0000	34800		0.020	0.010K	5.0					
73/08/22	12 10	0000	34860		0.030	0.010K	5.0					
73/08/23	10 40	0000	34906		0.030	0.010K						
73/09/13	13 15		37403	0.1	0.010			0.01K				
73/09/26	11 30	0000	39903		0.030	0.010K		0.01K				
73/10/16	15 45	0000	42903		0.020	0.010K		0.01K				
73/10/31	11 35	0000	44903		0.010	0.010K						
73/11/13	11 45	0000	46903		0.030	0.010K						
73/12/05	13 45	0000	49903		0.010	0.010K						
73/12/18	16 00	0000	51903		0.020	0.010						
74/03/14	08 05	0000	11903		0.020	0.010						
74/04/10	08 30	0000	15903			0.010K						
74/05/08	12 45	0000	19903		0.080	0.010						

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153156
43 56 03.0 111 36 37.0
TETON R N OF NEWDALE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 6111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIV FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 /100ML	31616 FEC COLI MFM-FCBR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/19	16 15	0000	25904	11.4	10.4	8.40	335	98	10K	10K		
73/07/05	11 35	0000	27404	19.5	10.2	8.60	300	187	10K	10K		
73/07/17	07 00	0000	24904	17.6	7.5	7.90	320	146	10	10K		
73/08/01	16 50	0000	31904	21.7	9.0	8.40	320	157	130			
73/08/21	10 20	0000	34807	18.4	8.1	8.20	320	151	10K	10K		
73/08/22	09 05	0000	34865	15.8	7.0	8.10	310	148	3500	450		
73/08/23	09 00	0000	34910	15.9	7.5	8.40	360	162	2100	50		
73/09/13	11 35		37404	16.0	9.4	8.40	350	158	20	0		
73/10/16	18 30	0000	42407	10.8	9.6	9.30	330	153	10K	10K		
73/10/31	13 10	0000	44404	5.0	9.6	8.30	350	163	10K	10K		
73/11/13	13 35	0000	46904	4.5	11.1	8.30	350	168	10K	10K		
73/12/05	15 35	0000	44904	0.8	14.2	8.10	420	215	10K	10K		
73/12/18	18 15	0000	51904	1.6	12.6	8.40	380		60	10K		
74/01/10	14 30	0000	2904		13.5	8.00	420	210	10K	10K		
74/01/22	11 45	0000	4904		12.0	7.90	420	190	10K	10K		
74/02/06	18 30	0000	6404		12.1	8.40	435	156	10K			
74/02/26	15 30	0000	9404	2.2	12.3		400		2	0		
74/03/13	17 00	0000	11404	3.6	10.9		360		40	10		
74/04/09	21 00	0000	15404	9.2	9.1		368		10K	10K		
74/05/08	10 45	0000	14404	8.7	13.0	8.10	380	145	10L	10L		

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153156
43 56 03.0 111 36 37.0
TETON R N OF NEWDALE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 6111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW INST-CFS	32211 CHLORPHYL A UG/L CORRECTD	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTD	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/19	16 15	0000	25904				1.96	0.200	0.200	0.010K		
73/07/05	11 35	0000	27904				0.11	0.210	0.220	0.010		
73/07/17	07 00	0000	29904					0.270	0.270	0.010K		
	07 20						2.07					
73/08/01	16 50	0000	31904		6.00			0.230	0.250	0.020		
73/08/21	10 20	0000	34807						0.120	0.010	0.004	0.200
73/08/22	09 05	0000	34865						1.500	0.010K	0.004	0.340
73/08/23	09 00	0000	34910						0.890	0.010	0.004	0.360
73/09/13	11 35		37904	656			1.81	0.240	0.240	0.010K		
73/10/16	18 30	0000	42904	614			1.37		0.140	0.010K	0.003	0.270
73/10/31	13 10	0000	44904	528	14.50				0.270	0.020	0.002	0.360
73/11/13	13 35	0000	46904	693			0.01		0.350	0.010	0.002	0.430
73/12/05	15 35	0000	49904				0.41		0.190	0.010	0.003	0.490
73/12/18	18 15	0000	51904						0.290	0.010	0.004	0.510
74/01/10	14 30	0000	2904					0.130	0.250	0.080	0.004	0.680
74/01/22	11 45	0000	6904					0.140	0.160	0.020	0.004	0.600
74/02/06	18 30	0000	6904					0.220	0.240	0.020	0.004	0.590
74/02/26	15 30	0000	9904					0.220	0.230	0.010	0.004	0.560
74/03/13	17 00	0000	11904				2.91	0.340	0.370	0.030	0.004	0.560
74/04/09	21 00	0000	15904		0.45			0.490	0.540	0.050	0.011	0.500
74/05/08	10 45	0000	19904				2.33	0.360	0.370	0.010	0.003	0.220

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153156
43 56 03.0 111 36 37.0
TFTON R N OF NEWDALE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 6111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L F	00680 T ORG C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS.TOT UG/L	01051 LEAD PB.TOT UG/L	01027 CADMIUM CD.TOT UG/L	71900 MERCURY HG.TOTAL UG/L
73/06/19	16	15	0000	25404	0.2	0.040			0.02			
73/07/05	11	35	0000	27404	0.1	0.030			0.01			
73/07/17	07	00	0000	29404	0.1	0.010			0.01K			
73/08/01	16	50	0000	31404	0.2	0.020			0.01			
73/08/21	10	20	0000	34407		0.020		0.010K				
73/08/22	04	05	0000	34465		0.560		0.010				
73/08/23	09	00	0000	34410		0.290		0.010				
73/09/13	11	35		37404	0.2	0.020			0.01K			
73/10/16	18	30	0000	42404		0.010		0.010	0.01K			
73/10/31	13	10	0000	44404		0.010		0.010K				
73/11/13	13	35	0000	46404		0.040		0.010K				
73/12/05	15	35	0000	49404		0.020		0.010K				
73/12/18	18	15	0000	51404		0.020		0.010				
74/01/10	14	30	0000	2404		0.040		0.020				
74/01/22	11	45	0000	4404		0.040		0.010				
74/02/06	18	30	0000	6404		0.120		0.010K				
74/02/26	15	30	0000	9404		0.020		0.010				
74/03/13	17	00	0000	11404		0.080		0.020				
74/04/09	21	00	0000	15404				0.020				
74/05/08	10	45	0000	19404		0.120		0.010				

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

15335R
43 55 27.0 111 46 40.0
HENRYS FORK SOUTH OF PARKER
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 00 MG/L	00400 PH SU	00044 CONDUCTIVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMENDU /100ML	31616 FEC COLI MFIM-FCHR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/19	10	50	0000	25905	9.7	10.4	8.10	149	45	30	10K	
73/07/04	14	15	0000	27905	21.2	10.2	8.30	150	75	10K	10K	
73/07/17	11	00	0000	29905	20.6	10.0	8.10	170	63	40	10	
73/08/01	15	50	0000	31905	25.0	10.4	8.60	175	64	10K	200	
73/08/21	11	00	0000	34809	17.4	8.8	7.70	160	66	70	10K	
73/08/22	09	45	0000	34866	16.0	8.4	7.90	145	66	440	10	
73/08/23	10	00	0000	34912	16.2	8.3	8.10	150	68	330	50	
73/09/13	10	30		37505	14.5	9.9	8.10	200	65	200	10	
73/09/24	07	40	0000	39905	8.0	4.8	7.40	160	66			
73/10/16	14	00	0000	42905	11.9	11.0	8.00	160	65	20	10K	
73/10/31	13	55	0000	44905	6.1	11.8	8.20	185	66	10K	10K	
73/11/13	14	30	0000	46905	5.3	11.7	8.00	175	59	10	50	
73/12/06	08	50	0000	49905	1.1	14.1	7.90	190	91	10K	10K	
73/12/18	14	35	0000	51905	2.6	13.3	8.40	192		20	10K	
74/01/10	10	20	0000	2905	0.0	12.9	7.80	190	100	10K	10K	
74/02/06	17	30	0000	6405	0.0	12.2	8.10	225	63	10K		
74/02/26	12	30	0000	9905	0.5	11.0		230		5	0	
74/03/13	16	00	0000	11905	3.4	12.7		195		10	10K	
74/04/09	20	00	0000	15905	9.2	9.8		170		60	10K	
74/05/08	14	45	0000	19905	8.2	12.8	8.00	160	141	10L	10L	

133

STORET RETRIEVAL DATE 75/09/14
UPPER SNAKE

15335R
43 55 27.0 111 46 40.0
HENRYS FORK SOUTH OF PARKER
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE

1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW. INST-CFS	32211 CHLOROPHYL A UG/L CORRECTED	32218 PHENOLPHIN A UG/L	32223 CHLOROPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/19	10 50	0000	25405	2430	7.15			0.190	0.190	0.010K		
73/07/04	14 15	0000	27405				3.31	0.240	0.250	0.010		
73/07/17	11 00	0000	29405	265				0.260	0.260	0.010K		
73/08/01	15 50	0000	31405	14			0.84	0.270	0.280	0.010		
73/08/21	11 00	0000	34804						0.110	0.010	0.001	0.010
73/08/22	09 45	0000	34865						0.250	0.010K	0.001	0.030
73/08/23	10 00	0000	34912						0.270	0.010K	0.001	0.020
73/09/13	10 30		37405	810	2.01		0.400	0.400	0.010K			
73/09/26	07 40	0000	39405	1330			0.45	0.250	0.010K	0.001		0.060
73/10/16	14 00	0000	42405	1400			0.31	0.260	0.010	0.001		0.010
73/10/31	13 55	0000	44405	1700			0.53	0.320	0.010	0.002		0.060
73/11/13	14 30	0000	46405	2280			0.22	0.250	0.020	0.001		0.130
73/12/06	08 50	0000	49405	3300	17.50				0.160	0.010	0.002	0.110
73/12/18	14 35	0000	51405						0.250	0.020	0.003	0.130
74/01/10	10 20	0000	2405	1920			0.210	0.230	0.020	0.004		0.260
74/02/06	17 30	0000	6405	1100			0.150	0.170	0.020	0.003		0.190
74/02/26	12 30	0000	4405	1500			0.250	0.260	0.010	0.003		0.160
74/03/13	16 00	0000	11405	1850			0.090	0.110	0.020	0.002		0.060
74/04/09	20 00	0000	15405				0.180	0.180	0.320	0.003		0.120
74/05/08	14 45	0000	19405	5550			0.260	0.270	0.010	0.002		0.090

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153354
43 55 27.0 111 46 40.0
HENRYS FORK SOUTH OF PARKER
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119050

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS,TOT UG/L	01051 LEAD PB,TOT UG/L	01027 CADMIUM CD,TOT UG/L	71900 MERCURY HG,TOTAL UG/L
73/06/19	10 50	0000	25405	0.1	0.030			0.02				
73/07/04	14 15	0000	27405	0.04	0.040			0.02				
73/07/17	11 00	0000	29405	0.03	0.040			0.02				
73/08/01	15 50	0000	31405	0.05	0.050			0.04				
73/08/21	11 00	0000	34404		0.050	0.010						
73/08/22	09 45	0000	34456		0.050	0.010	6.0					
73/08/23	10 00	0000	34412		0.050	0.010						
73/09/13	10 30		37405	0.01	0.030			0.01				
73/09/26	07 40	0000	39405		0.040	0.010		0.01K				
73/10/16	14 00	0000	42405		0.030	0.010K		0.01K				
73/10/31	13 55	0000	44405		0.020	0.010K						
73/11/13	14 30	0000	46405		0.030	0.010K						
73/12/06	08 50	0000	49405		0.020	0.010						
73/12/18	14 35	0000	51405		0.020	0.010						
74/01/10	10 20	0000	2905		0.030	0.020						
74/02/06	17 30	0000	6405		0.150	0.010						
74/02/26	12 30	0000	9405		0.030	0.010K						
74/03/13	16 00	0000	11405		0.030	0.010						
74/04/04	20 00	0000	15405		0.040	0.010K						
74/05/08	14 45	0000	19405		0.060	0.010						

STORET RETRIEVAL DATE 75/04/14
UPPER SNAKE

153354
43 49 42.0 111 56 00.0
HENRYS FORK AT REXBURG
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2
2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 TALK CAC03 MG/L	31501 TOT CHL MFIMEND0 /100ML	31616 FEC CHL MFM-FCHH /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/19	09 30	0000	25906	9.5	9.2	7.60	201	68	140	50		
73/07/05	15 30	0000	21906	17.2	7.0	7.70	230	130	190	10K		
73/07/16	20 00	0000	24906	20.7	8.2	7.60	230	91		10K		
73/08/01	13 30	0000	31906	22.4	8.1	7.90	280	100	200	10		
73/08/21	14 45	0000	34814	18.6	7.6	8.10	175	93	210	10K		1510
73/08/22	12 20	0000	34871	17.7	7.4	7.50	205	88	340	50		1590
73/08/23	11 15	0000	34915	18.6	6.5	8.20	190	87	1100	70		1780
73/09/13	09 40	0000	37906	15.1	7.3	8.30	240	93	60	30		
73/09/26	06 45	0000	39906	9.4	8.3	7.80	175	85				
73/10/16	13 00	0000	42906	11.7	9.0	8.00	195	83	50	10K		
73/10/31	14 45	0000	44906	8.3	10.1	8.10	210	81	100K	100K		
73/11/13	15 10	0000	46906	4.7	10.5	8.00	205	80	600	10K		
73/12/06	09 35	0000	49906	0.9	12.4	8.10	250	105	10K	10K		
73/12/18	13 45	0000	51906	1.9	11.8	7.80	225		50	10K		
74/01/10	09 30	0000	2906	0.0	13.3	8.00	260	100	10K	10K		
74/01/22	16 00	0000	4906	0.0	12.3	7.90	250	95	10K	10K		
74/02/06	16 30	0000	6406	0.0	10.7	7.70	265	81	120			
74/02/26	11 30	0000	4906	0.3	11.2		230		7	3		
74/03/13	15 20	0000	11906	3.6	10.4		230		430	160		
74/04/09	19 30	0000	15906	8.8	9.6		210		40	10K		
74/05/08	15 15	0000	19906	9.6	13.0	8.00	160	132	101	101		

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153359
43 49 42.0 111 56 00.0
HENRY'S FORK AT REFUGIO
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW. INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL. N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/19	09 30	0000	25406				0.03	0.270	0.280	0.010		
73/07/05	15 30	0000	27406	2380			0.22	0.310	0.320	0.010		
73/07/16	20 00	0000	29406	1770	7.00			0.410	0.420	0.010		
73/08/01	13 30	0000	31406	1200			0.73	1.560	1.670	0.110		
73/08/21	14 45	0000	34414						0.180	0.010	0.002	0.120
73/08/22	12 20	0000	34471						0.320	0.010K	0.003	0.130
73/08/23	11 15	0000	34415						0.260	0.010K	0.003	0.160
73/09/13	09 40	0000	37406	1510			2.80	0.310	0.320	0.010		
73/09/26	06 45	0000	39406	2451					0.180	0.010	0.001	0.120
73/10/16	13 00	0000	42406	2652			2.72		0.120	0.020	0.002	0.080
73/10/31	14 45	0000	44406	2105			2.05		0.390	0.010K	0.001	0.100
73/11/13	15 10	0000	46406	3464			0.76		0.470	0.020	0.001	0.190
73/12/06	09 35	0000	48406	2524			0.48		0.190	0.020	0.003	0.200
73/12/18	13 45	0000	51406						0.710	0.030	0.004	0.260
74/01/10	09 30	0000	2406	3446				0.190	0.230	0.040	0.005	0.370
74/01/22	16 00	0000	4406	3176				0.120	0.160	0.040	0.004	0.300
74/02/06	16 30	0000	6406	2816				0.190	0.230	0.040	0.003	0.280
74/02/26	11 30	0000	9406	2789				0.210	0.240	0.030	0.003	0.220
74/03/13	15 20	0000	11406	2176			0.59	1.400	1.500	0.070	0.004	0.210
74/04/09	19 30	0000	15406		1.05			0.180	0.200	0.020	0.004	0.220
74/05/08	15 15	0000	19406	5236			1.16	0.580	0.590	0.010	0.002	0.110

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153359
43 49 42.0 111 56 00.0
HENRYS FORK AT REXBURG
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2AM03 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS-TOT UG/L	01051 LEAD PB-TOT UG/L	01027 CADMIUM CD-TOT UG/L	71900 MERCURY HG-TOTAL UG/L
73/06/19	09 30	0000	25406	0.1	0.050			0.03				
73/07/05	15 30	0000	27406	0.1	0.060			0.03				
73/07/16	20 00	0000	24406	0.2	0.050			0.02	6		1	0.6
73/08/01	13 30	0000	31406	0.3	0.070			0.04	9		22	0.4
73/08/21	14 45	0000	34814		0.050	0.010						
73/08/22	12 20	0000	34871		0.060	0.010	7.0					
73/08/23	11 15	0000	34915		0.110	0.010						
73/09/13	09 40	0000	37406	0.1	0.030			0.02	4		3	0.9
73/09/26	06 45	0000	39406		0.050	0.010			7	45	0.2	0.8
73/10/16	13 00	0000	42406		0.030	0.010			6		18	0.5
73/10/31	14 45	0000	44406		0.040	0.010			4		14	0.5
73/11/13	15 10	0000	46406		0.040	0.010K			6		14	0.8
73/12/06	09 35	0000	49406		0.030	0.010			0.2		46	0.1
73/12/18	13 45	0000	51406		0.040	0.020			3		10	1.4
74/01/10	09 30	0000	2406		0.040	0.020			2		55	1.1
74/01/22	16 00	0000	4906		0.040	0.020					8	0.6
74/02/06	16 30	0000	5406		0.140	0.020			6		38	0.6
74/02/26	11 30	0000	4906		0.030	0.010			4		3	0.1
74/03/13	15 20	0000	11406		0.480	0.080			2		4	0.5
74/04/09	19 30	0000	15906			0.010			4	12	1K	0.6
74/05/08	15 15	0000	19406		0.080	0.010			4		1	0.9

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153360
43 39 00.0 111 41 00.0
SNAKE RIVER NEAR HEISE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMFND0 /100ML	31616 FEC COLI MFM-FCHX /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/19	17 45	0000	25407	11.2	12.8	9.00	400	129	50	10K		
73/07/05	18 10	0000	27907	10.1	9.1	7.40	390	158	110	10K		
73/07/17	13 00	0000	24907	14.7	9.5	8.00	410	115	60	10K		
73/08/02	10 45	0000	31907	14.1	8.4	7.90	360	116				
73/08/21	18 10	0000	34822	16.3	8.3	8.10	345	121	240	10K		9590
73/08/22	15 40	0000	34878	17.1	9.0	8.00	340	118	150	10		9180
73/08/23	14 15	0000	34919	17.4	8.8	7.80	330	116	10K	10K		8830
73/09/13	16 55		37907	16.4	10.6	8.50	400	132	20	0		
73/10/17	08 00	0000	42907	9.9	8.5	8.10	455	148	160	10K		
73/10/31	15 55	0000	44907	8.5	11.8	8.30	510	171	10K	10K		
73/11/13	16 45	0000	46907	6.3	12.0	8.30	550	165	10K	10K		
73/12/06	10 45	0000	49907	2.8	13.6	7.70	575	119	10K	10K		
73/12/18	20 00	0000	51907	1.7	11.7	8.00	575					
74/01/22	10 30	0000	4907	0.3	11.5	7.80	560	112	10K	10K		
74/02/06	12 30	0000	6907	0.5	11.8	8.00	580	135	40			
74/02/26	17 20	0000	9907	3.0	12.5		550		0	0		
74/03/14	12 15	0000	11907	1.8	11.3		470		10K	10K		
74/04/10	12 30	0000	15907	2.9	11.5		470		10K	10K		
74/05/08	08 30	0000	19907	6.1	13.1	8.00	530	131	10K	10K		

STREET RETRIEVAL DATE 74/06/18
UPPER SNAKE

153360
43 39 00.0 111 41 00.0
SNAKE RIVER NEAR HEISE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	000008 LAB IDENT. NUMBER	000061 STREAM FLOW INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/19	17 45	0000	25407	10808			1.82	0.370	0.400	0.030		
73/07/05	18 10	0000	27407	12420			2.10	0.200	0.210	0.010		
73/07/17	13 00	0000	24407	13540			1.93	0.240	0.250	0.010		
73/08/02	10 45	0000	31407	12210			1.29	0.250	0.270	0.020		
73/08/21	18 10	0000	34822						0.160	0.010K	0.001	0.060
73/08/22	15 40	0000	34878						0.170	0.010	0.002	0.070
73/08/23	14 15	0000	34919						0.230	0.010	0.002	0.070
73/09/13	14 55		37407				0.17	0.390	0.400	0.010		
73/10/17	04 00	0000	42407	2050	14.00				0.350	0.030	0.001	0.010
73/10/31	15 55	0000	44407	1444			0.13		0.250	0.010K	0.001	0.050
73/11/13	16 45	0000	46407	1454			0.01		0.330	0.020	0.001	0.150
73/12/06	10 45	0000	44407	1370	6.50				0.130	0.010	0.003	0.060
73/12/18	20 00	0000	51407	1748					0.550	0.020	0.004	0.160
74/01/22	10 30	0000	4407					0.070	0.080	0.010	0.002	0.130
74/02/06	12 30	0000	6407	3140				0.150	0.160	0.010	0.004	0.150
74/02/26	17 20	0000	4407	3140				0.120	0.140	0.020	0.002	0.150
74/03/14	12 15	0000	11407	4367			0.09	0.010K	0.010K	0.010K	0.002	0.200
74/04/10	12 30	0000	15407		4.96			0.150	0.170	0.020	0.001	0.160
74/05/08	08 30	0000	14407	18400			0.61	0.210	0.250	0.040	0.003	0.170

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153360
43 39 00.0 111 41 00.0
SNAKE RIVER NEAR HEISE
14 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1114050

2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00004 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00669 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS,TOT UG/L	01051 LEAD PR.TOT UG/L	01027 CADMIUM CD,TOT UG/L	71900 MERCURY HG.TOTAL UG/L
73/06/19	17 45	0000	25907	0.01	0.030			0.01				
73/07/05	18 10	0000	27907	0.01	0.020			0.01				
73/07/17	13 00	0000	24907	0.05	0.020			0.01	8		2	0.4
73/08/02	10 45	0000	31907	0.1	0.030			0.02	5		5	0.4
73/08/21	18 10	0000	34822		0.030	0.010K						
73/08/22	15 40	0000	34878		0.020	0.010K	6.0					
73/08/23	14 15	0000	34919		0.030	0.010K						
73/09/13	16 55		37407	0.04	0.020			0.01	3		4	0.3
73/10/17	08 00	0000	42407		0.010	0.010K		0.01K	5		4	0.3
73/10/31	15 55	0000	44407		0.010	0.010K			2		7	0.7
73/11/13	16 45	0000	46407		0.010	0.010K			4		14	0.9
73/12/06	10 45	0000	48407		0.010	0.010K			1		14	0.2
73/12/18	20 00	0000	51407		0.010	0.010			1		7	13.2
74/01/22	10 30	0000	6407		0.010	0.010					8	0.9
74/02/06	12 30	0000	6407		0.020	0.010K			3		5	3.6
74/02/26	17 20	0000	9407		0.020	0.010K			2		4	0.1
74/03/14	12 15	0000	11407		0.010	0.010K			2		3	0.1
74/04/10	12 30	0000	15407		0.020	0.010			3	10	1K	0.5
74/05/08	08 30	0000	14907		0.080	0.010			4		2	1.4

STORED RETRIEVAL DATE 75/09/14
UPPER SNAKE

153299
43 43 21.0 112 05 03.0
SNAKE RIVER 2 MI E OF ROBERTS
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 22111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMMH	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 -/100ML	31616 FEC COLI MFM-FCHR /100ML	00077 TRANSV SECCHI INCHES	00060 STREAM FLOW CFS
73/06/19	08	05	0000	25408	8.4	9.5	7.60	328	106	90	60	
73/07/05	16	35	0000	27408	14.1	8.2	8.00	340	165	200	80	
73/07/16	19	00	0000	29408	17.6	8.9	8.10	400	130		30	
73/08/01	13	00	0000	31408	17.5	7.6	7.50	380	112	10	10	
73/08/21	16	30	0000	34418	17.6	7.8	8.00	330	120	80	10K	7350
73/08/22	14	25	0000	34877	17.0	7.7	7.60	310	118	10	10K	7000
73/08/23	13	10	0000	34418	17.4	7.2	7.80	350	114	110	60	7340
73/09/13	08	30		37408	14.7	7.1	8.30	360	122	0	10	
73/10/16	11	00	0000	42408	12.8	8.7	7.50	285	108	60	10K	
73/10/31	17	20	0000	44408	6.5	10.5	8.00	250	101	10K	10K	
73/11/13	17	40	0000	46408	5.2	10.2	8.10	250	94	220	20	
73/12/06	11	45	0000	49408	1.2	12.6	7.90	370	110	10K	10K	
73/12/18	12	45	0000	51408	2.1	11.8	7.70	350		40	10K	
74/01/22	16	50	0000	4908	0.3	12.2	7.90	400	105	10K	10K	
74/02/06	15	15	0000	6408	0.2	11.2	8.00	440	114			
74/02/26	10	00	0000	4908	0.3	11.8		400		1	0	
74/03/13	13	30	0000	11408	3.3	10.5		380		30	10	
74/04/09	18	30	0000	15408	5.2	10.7		400		10K	10K	
74/05/08	17	30	0000	19408	6.4	13.2	7.90	530	125	10K	10K	

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153294
43 43 21.0 112 05 03.0
SNAKE RIVER 2 MI E OF ROBERTS
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
11190050 22111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHENOPHTIN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/19	08 05	0000	25908	19200			2.17	0.210	0.210	0.010K		
73/07/05	16 35	0000	27908				0.10	0.160	0.170	0.010		
73/07/16	19 00	0000	29908	10900			0.24	0.400	0.410	0.010		
73/08/01	13 00	0000	31908	10200			1.30	0.300	0.310	0.010		
73/08/21	16 30	0000	34818						0.090	0.010	0.001	0.080
73/08/22	14 25	0000	34877						0.260	0.010K	0.002	0.100
73/08/23	13 10	0000	34918						0.300	0.010K	0.002	0.080
73/09/13	08 30		37908	3900			0.64	0.860	0.870	0.010		
73/10/16	11 00	00	42908	4000			0.13		0.290	0.030	0.002	0.120
73/10/31	17 20	0000	44908	3600			0.03		0.360	0.030	0.002	0.130
73/11/13	17 40	0000	46908	3600			0.29		0.290	0.040	0.001	0.180
73/12/06	11 45	0000	49908				0.13		0.240	0.020	0.004	0.170
73/12/18	12 45	0000	51908	3355					0.520	0.020	0.004	0.180
74/01/22	16 50	0000	4908	5833				0.130	0.150	0.020	0.004	0.250
74/02/06	15 15	0000	6908	4680				0.150	0.170	0.020	0.002	0.210
74/02/26	10 00	0000	9908	5680				0.190	0.190	0.010K	0.004	0.190
74/03/13	13 30	0000	11908	6394				0.120	0.140	0.020	0.002	0.190
74/04/09	18 30	0000	15908					0.130	0.150	0.020	0.002	0.180
74/05/08	17 30	0000	19908	23020				0.180	0.210	0.030	0.002	0.170

STORED RETRIEVAL DATE 75/09/18
UPPER SNAKE

153299
43 43 21.0 112 05 03.0
SNAKE RIVER 2 MI E OF ROBERTS
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 22111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00004 LAB IDENT. NUMBER	00630 M026M03 M-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTH0 MG/L F	00680 T ORG C C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS,TOT UG/L	01051 LEAD PB,TOT UG/L	01027 CADMIUM CD,TOT UG/L	71900 MERCURY HG,TOTAL UG/L
73/06/19	04 05	0000	25408	0.1	0.050				0.02			
73/07/05	16 35	0000	27408	0.1	0.030				0.01			
73/07/16	19 00	0000	29408	0.1	0.030				0.01			
73/08/01	13 00	0000	31408	0.1	0.020				0.02			
73/08/21	16 30	0000	34418		0.030	0.010K						
73/08/22	14 25	0000	34477		0.030	0.010K	8.0					
73/08/23	13 10	0000	34418		0.030	0.010K						
73/09/13	08 30		37408	0.1	0.020				0.01			
73/10/16	11 00	0000	42408		0.030	0.010			0.01			
73/10/31	17 20	0000	44408		0.060	0.020						
73/11/13	17 40	0000	46408		0.030	0.010						
73/12/06	11 45	0000	48408		0.020	0.010						
73/12/18	12 45	0000	51408		0.040	0.020						
74/01/22	16 50	0000	4408		0.030	0.020						
74/02/06	16 15	0000	6408		0.120	0.010						
74/02/26	10 00	0000	4408		0.020	0.010K						
74/03/13	13 30	0000	11408		0.060	0.020						
74/04/04	18 30	0000	15408		0.050	0.010						
74/05/08	17 30	0000	14408		0.070	0.010						

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153047
42 33 15.0 113 47 30.0
LK MILLER AT HURLEY HWY 27
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI /100ML	31616 FEC COLI MFM-FCHR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/11/01	09 30			5.6	9.9	8.10						
73/12/05	10 00			1.6								
73/12/18	10 00			1.5								
74/05/08	19 45								10K	10K		

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153047
42 33 15.0 113 47 30.0
LK MILNER AT HURLEY HWY 27
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111202
2 0000 METER DEPTH

DATE	TIME	DEPTH	00008	00630	00665	00671	00680	00660	01002	01051	01027	71900
FROM	OF		LAB	NO2&NO3	PHOS-TOT	PHOS-DIS	T ORG C	ORTHOPHOS4	ARSENIC	LEAD	CADMIUM	MERCURY
TO	DAY	METER	IDENT.	N-TOTAL	MG/L P	MG/L P	MG/L	MG/L	UG/L	UG/L	UG/L	UG/L
74/04/09	15	30				0.090						

STORED RETRIEVAL DATE 79/09/18
UPPER SNAKE

153241
43 02 04.0 112 47 20.0
MC TUCKER SPRING
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111204
2 0000 METER DEPTH

DATE F40M TO	TIME OF DAY	DEPTH METER	00008 LAH IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVITY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI. MFIMFND0 /100ML	31616 FEC COLI MFIM-FCHR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/14	20	10	0000	25410	10.9	8.0	7.10	1000	238			
73/07/04	09	15	0000	27910	11.2	7.9	7.30	1000	302			
73/07/16	17	30	0000	29910	11.3	7.8	7.20	1000L	243			
73/08/01	11	30	0000	31910	11.3	8.0	7.10	1000L	233			
73/09/12	21	30		37910	11.3	7.6	7.50	950	231	0	0	
73/10/17	11	30	0000	42910	11.6	7.4	7.30	960	240			
73/11/01	10	30	0000	44910	10.8	7.2	7.40	900	226			
73/11/12	17	30	0000	46910	10.9	7.7	7.30	750	234			
73/12/14	10	30	100	51910	11.0	7.0	7.00	750				
74/01/09	15	10	0000	2910	9.7	7.8	7.50	775	250			
74/01/22	08	15	0000	4910	10.9	8.0	8.20	750	240			
74/02/06	13	30	0000	6910	10.0	7.5	7.40	755	212			
74/02/25	16	45	0000	9910	11.0	9.2		730		22	0	
74/03/13	11	00	0000	11910	10.7	7.7		760				
74/04/09	16	00	0000	15910	11.0	7.8		850				
74/05/08	20	30	0000	19910	10.6	5.7	7.80	840	260			

STREET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153241
43 02 04.0 112 37 20.0
MC TUCKER SPRING
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW, INST-CFS	32211 CHLOROPHYL A UG/L CORRECTED	32218 PHOSPHORIN A UG/L	32223 CHLOROPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/18	20 10	0000	25410					0.240	0.250	0.010		
73/07/04	09 15	0000	27410					0.180	0.190	0.010		
73/07/16	17 30	0000	29410					0.420	0.440	0.020		
73/08/01	11 30	0000	31410					0.330	0.340	0.010		
73/09/12	21 30		37410					1.190	1.220	0.030		
73/10/17	11 30	0000	42410	2360					0.910	0.020	0.001	1.900
73/11/01	10 30	0000	44410						0.380	0.020	0.001	1.800
73/11/12	17 30	0000	46410			0.63			0.220	0.010K	0.001	1.800
73/12/18	10 30	00	51410						0.970	0.010	0.002	1.500
74/01/04	15 10	0000	2910					0.060	0.070	0.010	0.002	1.550
74/01/22	08 15	0000	4910					0.140	0.140	0.010	0.002	1.600
74/02/06	13 30	0000	6410					0.090	0.130	0.010	0.001	1.500
74/02/25	16 45	0000	9910					0.210	0.230	0.020	0.001	1.600
74/03/13	11 00	0000	11410					0.010K	0.010	0.010	0.001	1.600
74/04/09	16 00	0000	15410					0.150	0.170	0.020	0.001K	1.600
74/05/08	20 30	0000	19410					0.120	0.420	0.300	0.009	2.500

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153281
43 02 04.0 112 37 20.0
MC TUCKER SPRING
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS-TOT UG/L	01051 LEAD PB-TOT UG/L	01027 CADMIUM CD-TOT UG/L	71900 MERCURY HG-TOTAL UG/L
73/06/18	20 10	0000	25410	1.9	0.060			0.05				
73/07/06	09 15	0000	27410	2.0	0.050			0.05				
73/07/16	17 30	0000	29410	1.8	0.050			0.05				
73/08/01	11 30	0000	31410	1.7	0.050			0.05				
73/09/12	21 30		37410	1.7	0.110			0.09				
73/10/17	11 30	0000	42410		0.060	0.050		0.05				
73/11/01	10 30	0000	44910		0.050	0.040						
73/11/12	17 30	0000	46410		0.050	0.040						
73/12/18	10 30	0000	51410		0.070	0.050						
74/01/09	15 10	0000	2410		0.050	0.040						
74/01/22	08 15	0000	4410		0.040	0.040						
74/02/06	13 30	0000	6410		0.090	0.040						
74/02/25	16 45	0000	9410		0.060	0.040						
74/03/13	11 00	0000	11410		0.050	0.050						
74/04/09	16 00	0000	15410		0.050	0.040						
74/05/08	20 30	0000	19410		0.540	0.550						

STORRET RETRIEVAL DATE 75/09/19
UPPER SNAKE

153292
42 00 00.0 112 00 00.0
SPRING CREEK AT BRUNCO ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 22111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAKE INCENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CACO3 MG/L	31501 TOT CHL MFIMENUO /100ML	31616 FEC CHL MEM-FCRR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/18	17	35	0000	25411	11.5	6.8	7.50	560	186			
73/07/04	08	30	0000	27411	11.4	6.5	7.40	600	257			
73/07/16	15	15	0000	24411	13.4	7.2	7.80	600	190			
73/08/01	04	05	0000	31911	12.4	7.1	7.40	590	183	10K	0	
73/09/12	14	40		37411	11.0	5.0	7.30	500	184	0	0	
73/10/17	12	30	0000	42411	11.7	7.3	7.40	495	210			
73/11/01	11	30	0000	44411	10.8	6.7	7.70	510	191			
73/11/12	15	30	0000	46411	9.7	5.5	7.50	500	185			
73/12/05	08	45	0000	44411	9.6	6.6	7.20	510	197			
73/12/18	08	30	0000	51411	9.5	6.5	7.40	525				
74/01/08	12	15	0000	2411	9.2	6.6	7.90	550	186			
74/01/21	17	45	0000	4911	9.4	5.8	7.60	480	185			
74/02/06	11	45	0000	6411	8.5	6.4	7.80	495	176			
74/02/25	19	00	0000	4411	9.7	8.1		490				
74/03/13	04	00	0000	11411	9.7	5.9		470				
74/04/09	14	45	0000	15411	11.0	6.9		480				
74/05/04	08	00	0000	12411	11.0	5.8	7.60	480	195			
74/06/19	14	40		25629	9.5			440				450.1

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153292
42 00 00.0 112 00 00.0
SPRING CREEK AT BRONCO ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
11190050 22111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW. INST-CFS	32211 CHLORPHYL A MG/L CORRECTED	32218 PHENOPHTN A MG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/18	17 35	0000	25411					0.350	0.350	0.010K		
73/07/04	08 30	0000	27411					0.050K	0.050K	0.010K		
73/07/16	15 15	0000	24411					0.140	0.140	0.010K		
73/08/01	04 05	0000	31411					0.140	0.140	0.010K		
73/09/12	14 40		37411					0.100K	0.100K	0.010K		
73/10/17	12 30	0000	42411						0.250	0.030	0.001	0.800
73/11/01	11 30	0000	44411						0.170	0.010K	0.001	0.840
73/11/12	15 30	0000	46411						0.190	0.010	0.001	0.820
73/12/05	08 45	0000	49411						0.080	0.010K	0.001	0.850
73/12/18	08 30	0000	51411						0.430	0.010	0.001	0.800
74/01/08	12 15	0000	2411					0.010K	0.010	0.010	0.001	0.780
74/01/21	17 45	0000	4411					0.020	0.030	0.010	0.001	0.800
74/02/06	11 45	0000	6411					0.150	0.170	0.020	0.001	0.800
74/02/25	14 00	0000	4411					0.120	0.140	0.020	0.001	0.810
74/03/13	09 00	0000	11411					0.010K	0.010K	0.010K	0.001	0.780
74/04/09	14 45	0000	15411					0.220	0.240	0.020	0.001	0.660
74/05/09	08 00	0000	14411					0.120	0.140	0.020	0.001	0.780
74/06/19	14 40		25629						0.110	0.010	0.001	0.830

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153292
42 00 00.0 112 00 00.0
SPRING CREEK AT BRONCO ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
11190050 22111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS.TOT UG/L	01051 LEAD PB.TOT UG/L	01027 CADMIUM CD.TOT UG/L	71900 MERCURY HG.TOTAL UG/L
73/06/18	17 35	0000	25411	0.9	0.020			0.02				
73/07/04	08 30	0000	27411	0.9	0.020			0.02				
73/07/16	15 15	0000	24411	0.8	0.020			0.02				
73/08/01	09 05	0000	31411	0.8	0.020			0.02				
73/09/12	14 40		37411	0.8	0.030			0.03				
73/10/17	12 30	0000	42411		0.020	0.020		0.01				
73/11/01	11 30	0000	44411		0.020	0.010						
73/11/12	15 30	0000	46411		0.020	0.010						
73/12/05	08 45	00	44411		0.020	0.010						
73/12/18	08 30	0000	51411		0.020	0.020			2		200	2.2
74/01/08	12 15	0000	2411		0.030	0.010						
74/01/21	17 45	0000	4411		0.020	0.010						
74/02/06	11 45	0000	6411		0.140	0.010						
74/02/25	14 00	0000	4411		0.080	0.030						
74/03/13	04 00	0000	11411		0.020	0.010						
74/04/09	14 45	0000	15411		0.020	0.010						
74/05/09	08 00	0000	14411		0.020	0.010						
74/06/19	14 40		25629		0.020	0.010					2	1.1

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153287
42 54 46.0 112 31 18.0
SPRING @ ROWLANDS DAIRY-POCATELLI
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 IAH IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLL MFIMENDU /100ML	31616 FEC COLL MFEM-FCRR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/18	15	30	0000	25412	13.5	5.9	7.10	750	215			
73/07/04	07	45	0000	27412	12.9	5.9	7.20	560	272			
73/07/16	13	00	0000	29412	13.4	6.5	7.40	725	205			
73/08/01	05	50	0000	31412	12.3	6.2	7.60	675	197	400	0	
73/09/12	18	00		37412	13.1	6.1	7.50	700	204	0	0	
73/10/17	13	00	0000	42412	13.2	5.2	7.20	700	213			
73/11/01	13	50	0000	44412	12.2	6.1	7.30	700	209			
73/11/12	14	45	0000	45412	12.1	5.2	7.30	700	200			
73/12/04	18	50	0000	46412	12.5	5.5	7.60	750	235			
73/12/17	16	00	0000	51412	12.5	5.0	6.70	1000L				
74/01/08	11	00	0000	2412	11.5	5.3	7.90	1000L	222			
74/01/21	16	30	0000	4412	12.5	5.6	6.80	1000L	198			
74/02/06	10	15	0000	6412	11.5	5.4	7.30	725	208	3900		
74/02/25	15	30	0000	4412	12.6	6.5		880				
74/03/12	18	30	0000	11412	13.2	4.3		700				
74/04/09	13	30	0000	15412	12.9	5.2		795				
74/05/07	21	45	0000	14412	13.4	5.8	6.60	1000L	191			

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153247
42 54 46.0 112 31 18.0
SPRING @ ROWNLANDS DAIRY-POCATELLO
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW. INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHEOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/18	15 30	0000	25412					0.110	0.330	0.220		
73/07/04	07 45	0000	27412					0.070	0.130	0.060		
73/07/16	13 00	0000	24412					0.090	0.190	0.100		
73/08/01	05 50	0000	31412					0.150	0.220	0.070		
73/09/12	18 00		37412					0.240	0.320	0.080		
73/10/17	13 00	0000	42412						0.370	0.270	0.004	2.100
73/11/01	13 50	0000	44912						0.050	0.250	0.006	2.300
73/11/12	14 45	0000	46412						0.130	0.020	0.006	2.600
73/12/04	18 50	0000	44412						0.550	0.450	0.007	2.600
73/12/17	16 00	0000	51912						0.900	0.340	0.017	2.400
74/01/08	11 00	0000	2412					0.010K	0.190	0.190	0.004	2.150
74/01/21	16 30	0000	4412					0.010K	0.490	0.500	0.021	3.000
74/02/06	10 15	0000	6912					0.010K	0.230	0.250	0.006	1.600
74/02/25	15 30	0000	4412					0.010K	0.340	0.360	0.010	2.600
74/03/12	18 30	0000	11412					0.010K	0.500	0.500	0.011	3.200
74/04/04	13 30	0000	15412					0.320	0.340	0.500	0.008	2.800
74/05/07	21 45	0000	14912						0.360	0.450	0.010	3.400

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153287
42 54 46.0 112 31 18.0
SPRING # RIVLANDS DAIY-POCATELLI
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00004 LAB IDENT. NUMBER	00630 NITROGEN N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C MG/L	00660 ORTHOPHOS PO4 MG/L	01002 ARSENIC AS-TOT UG/L	01051 LEAD PB-TOT UG/L	01027 CADMIUM CD-TOT UG/L	71900 MERCURY HG-TOTAL UG/L
73/06/18	15 30	0000	25412	2.6	0.850			0.73				
73/07/04	07 45	0000	27412	1.6	0.270			0.25				
73/07/14	13 00	0000	24412	1.3	0.340			0.34				
73/08/01	05 50	0000	31412	1.1	0.200			0.20				
73/09/12	18 00		27412	1.7	0.370			0.37				
73/10/17	13 00	0000	42412		0.540	0.540		0.53	8		3	0.8
73/11/01	13 50	0000	44412		0.560	0.560			6		6	0.9
73/11/12	14 45	0000	46412		0.560	0.550			6		66	1.5
73/12/04	18 50	0000	44412		0.800	0.800			6		3	0.5
73/12/17	16 00	0000	51412		0.610	0.550			4		16	1.4
74/01/08	11 00	0000	2412		0.340	0.340			2		17	1.6
74/01/21	16 30	0000	4412		0.870	1.800					440	1.5
74/02/06	10 15	0000	6412		0.480	0.600			6		14	1.4
74/02/25	15 30	0000	4412		0.700	0.460			5		3	0.2
74/03/12	18 30	0000	11412		1.070	1.060			6		4	0.1
74/04/09	13 30	0000	15412		0.830	0.800			6	25	1K	0.4
74/05/07	21 45	0000	14412		0.810	0.700			5		2	0.9

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BELOW AMERICAN FALLS DAM
16 10AM
PACIFIC NORTHWEST
UPPER SNAKE

1119050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB TEMP. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMENDU /100ML	31616 FEC COLI MEM-FERR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/04/20	07 45	0000	25415	14.6	9.2	8.00	459	142	150	10K	52	8391
73/07/03	18 30	0000	27915	18.6	9.0	8.00	420	272	200	10K		11405
73/07/17	16 45	0000	29415	20.6	8.4	8.30	490	149	450	10K		12180
73/07/31	20 30	0000	31415	22.0	6.9	8.60	325	139	10K	10K		10625
73/08/22	07 30	0000	34501									
73/08/26	17 15	0000	35501	20.5								
73/08/27	08 20	0000	35504	19.2								
73/09/12	14 40	0000	37415	17.3	8.4	8.10	500	175			11	6972
73/09/25	18 00	0000	39415	11.5	7.8	8.00	525	209	10K	10K	8	5071
73/10/17	16 00	0000	42415	11.1	10.4	7.90	500	180	440	30	35	1913
73/10/30	17 40	0000	44915	7.8	10.8	8.40	540	167	240	20		1765
73/11/14	09 30	0000	46915	4.7	10.5	8.40	560	184	110	30	28	1940
73/12/04	17 00	0000	49415	2.1	13.0	8.30	625	182	30	10K	31	2545
73/12/17	14 00	0000	51415	1.0	11.8	7.70	550		400	1		2660
74/01/01												2712
74/01/02												2712
74/01/03												2712
74/01/04												2712
74/01/05												2712
74/01/06												2712
74/01/07												2712
74/01/08												2712
74/01/09												2712
74/01/10												2738
74/01/11												2764

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BELOW AMERICAN FALLS DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE

1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 /100ML	31616 FEC COLI MFM-FGRK /100ML	00077 TRAVSP SECCHI INCHES	00060 STREAM FLOW CFS
74/01/12												2764
74/01/13												2790
74/01/14												2790
74/01/15												2816
74/01/16												3200
74/01/17												3200
74/01/18												3200
74/01/19												3200
74/01/20												3200
74/01/21												3200
74/01/22												3200
74/01/23	08 40	0000	4915	1.1	11.9	8.10	550	210	180	10K		3230
74/01/24												3230
74/01/25												2843
74/01/26												3072
74/01/27												3573
74/01/28												4211
74/01/29												4657
74/01/30												5506
74/01/31												5870
74/02/01												5870
74/02/02												6270
74/02/03												6510
74/02/04												6510
74/02/05	16 45	0000	6915	1.4	13.0	8.30	620	182	10			6841
74/02/06												7040
74/02/07												7650
74/02/08												6729
74/02/09												7124
74/02/10												7124
74/02/11												7124
74/02/12												7395
74/02/13												7558
74/02/14												7558
74/02/15												7558
74/02/16												7558

STREET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BELOW AMERICAN FALLS DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2
2111204
0000 METER DEPTH

DATE	TIME	DEPTH	00008	00010	00300	00400	00094	00410	31501	31616	00077	00060
FROM	OF		LAB	WATER	ON	PH	CONDUCTIV	TALK	TOT GULL	REC GULL	TRANSP	STREAM
TO	DAY	METER	IDENT.	TEMP			FIELD	CAC03	MEIMENDU	MEM-FCRR	SECCHI	FLOW
			NUMBER	CENT	MG/L	SI	MICROMHO	MG/L	/100MI	/100ML	INCHES	CFS
74/02/17												7558
74/02/18												7558
74/02/19												6536
74/02/20												5140
74/02/21												6950
74/02/22												8510
74/02/23												8510
74/02/24												8510
74/02/25												8510
74/02/26												8848
74/02/27	10 00	0000	9915	1.0	13.7		560		20	1		9050
74/02/28												9050
74/03/01												4247
74/03/02												9856
74/03/03												10150
74/03/04												10150
74/03/05												10150
74/03/06												10150
74/03/07												10913
74/03/08												13488
74/03/09												14440
74/03/10												14380
74/03/11												14320
74/03/12	16 50	0000	11415	1.9	13.6		500		10K	10K	31	14320
74/03/13												14320
74/03/14												14260
74/03/15												14200
74/03/16												14140
74/03/17												14080
74/03/18												14080
74/03/19												14080
74/03/20												14020
74/03/21												13960
74/03/22												13969
74/03/23												13960
74/03/24												10977

STORET RETRIEVAL DATE 75/04/14
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BELOW AMERICAN FALLS DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1114C050
2
2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMENDO /100ML	31616 FEC COLI MFM-FCHK /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
74/03/25												5010
74/03/26												4920
74/03/27												4920
74/03/28												4920
74/03/29												9230
74/03/30												14020
74/03/31												14080
74/04/10	15 30	0000	15415	5.6	12.2		470		10K	10K	30	14440
74/05/07	19 45	0000	14915	14.7	13.3	8.60	720	191	1500	10K	33	

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BELOW AMERICAN FALLS DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	000008 LAB IDENT. NUMBER	00061 STREAM FLOW, INST-CFS	32211 CHLORPHYL A MG/L CORRECTED	32218 PHENOPHTN A MG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/20	07	45	0000	25415	13720	6.25		0.280	0.400	0.120		
73/07/03	14	30	0000	27415	11400	11.45		0.390	0.440	0.050		
73/07/17	16	45	0000	24415	12500	8.10	9.20	0.330	0.470	0.140		
73/07/31	20	30	0000	31415	6620	24.00	1.37	1.020	1.100	0.080		
73/08/22	07	30	0000	36501								
73/08/26	17	15	0000	35501								
73/08/27	08	20	0000	35504								
73/09/12	14	40	0000	37415	6405	24.80	0.10	1.210	1.450	0.240		
73/09/25	14	00	000	34415	4260	22.80			0.940	0.180	0.022	0.750
73/10/17	16	00	0000	42415	2043	16.00			0.540	0.130	0.016	0.560
73/10/30	17	40	0000	44415	1467	31.00	0.01		0.750	0.030	0.010	0.520
73/11/14	09	30	0000	46415	2140	31.50	0.24		0.640	0.040	0.004	0.510
73/12/04	17	00	0000	44415	1220	22.00	15.43		0.320	0.040	0.007	0.570
73/12/17	14	00	0000	51415	2942				0.680	0.100	0.008	0.630
74/01/23	08	40	0000	4415	3104			0.240	0.370	0.080	0.004	0.640
74/02/05	16	45	0000	6415	6430			0.330	0.370	0.040	0.007	0.600
74/02/27	10	00	0000	4415	8465			0.550	0.610	0.050	0.007	0.280
74/03/12	16	50	0000	11415	14020	65.00		0.580	0.630	0.050	0.005	0.130
74/03/14					2005							
74/04/10	15	30	0000	15415		26.10		0.420	0.520	0.100	0.005	0.170
74/05/07	19	45	0000	14415	26160	19.43	7.54	0.300	0.320	0.020	0.004	0.130

STORET RETRIEVAL DATE 75/09/14
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BELOW AMERICAN FALLS DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2
2111204
0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHO MG/L P	00680 T ORG C MG/L	00660 ORTHOPO4 PO4 MG/L	01002 ARSENIC AS.TOT UG/L	01051 LEAD PB.TOT UG/L	01027 CADMIUM CD.TOT UG/L	71900 MERCURY HG-TOTAL UG/L
73/06/20	07 45	0000	25415	0.1	0.080			0.06				
73/07/03	18 30	0000	27415	0.04	0.070			0.05				
73/07/17	16 45	0000	24415	0.04	0.120			0.11	11			0.3
73/07/31	20 30	0000	31415	0.05	0.100			0.05	6		33	1.0
73/08/22	07 30	0000	34501									
73/08/26	17 15	0000	35501									
73/08/27	08 20	0000	35504									
73/09/12	14 40	0000	37415	0.6	0.160			0.11	3		4	1.1
73/09/25	18 00	0000	34415		0.260	0.090		0.08	5	20	7	0.8
73/10/17	16 00	0000	42415		0.120	0.060		0.06	5		4	1.3
73/10/30	17 40	0000	44415		0.100	0.040			5		2	
73/11/14	09 30	0000	46415		0.100	0.040			2		14	1.1
73/12/04	17 00	0000	44415		0.100	0.060			2			0.6
73/12/17	14 00	0000	51415		0.100	0.060			2		340	1.1
74/01/23	08 40	0000	4415		0.100	0.050					7	0.8
74/02/05	16 45	0000	6415		0.090	0.050			4		24	0.6
74/02/27	10 00	0000	4415		0.080	0.010			3		4	0.1
74/03/12	16 50	0000	11415		0.080	0.010			2		5	0.4
74/04/10	15 30	0000	15415		0.090	0.020			3	10	1K	0.4
74/05/07	19 45	0000	19415		0.060	0.010K			4		2	1.2

STORRET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 00 MG/L	00400 PH SU	00094 CONDUCTIV FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT CULI MFIMEND0 /100ML	31616 FEC CULI MFM-FCH4 /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/10												51
73/06/11												51
73/06/12												45
73/06/13												36
73/06/14												45
73/06/15												44
73/06/17												44
73/06/18												33
73/06/19												32
73/06/20	13	35	0000	25918	16.7	8.8	7.80	498	142	90	30	49
73/06/21												32
73/06/22												32
73/06/23												31
73/06/24												32
73/06/25												32
73/06/26												32
73/06/27												32
73/06/28												32
73/06/29												32
73/06/30												32
73/07/01												31
73/07/02												31
73/07/03	14	15	0000	27918	20.3	8.8	8.90	475	497	250	10K	24
73/07/04												31
73/07/05												31
73/07/06												31
73/07/07												31
73/07/08												31
73/07/09												31
73/07/10												31
73/07/11												31
73/07/12												29
73/07/13												31
73/07/14												31

STREET RETRIEVAL DATE 75200/14.
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MTLNFK AT MTLNFK DAM
14 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
11190050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAKE TEMP.	00010 WATER TEMP	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVITY FIFID MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 /100ML	31616 FEC COLI MEM-FEC08 /100ML	00077 TRAVSP SECCHI INCHES	00060 STREAM FLOW CFS
73/07/15											31	
73/07/16											34	
73/07/17											33	
73/07/18	09 45	0000	20414	22.5	6.2	8.20	480	152	200	10K		
73/07/19											31	
73/07/20											31	
73/07/21											31	
73/07/22											31	
73/07/23											31	
73/07/24											31	
73/07/25											28	
73/07/26											31	
73/07/27											31	
73/07/28											31	
73/07/29											29	
73/07/30											28	
73/07/31	15 00	0000	31414	23.0	8.1	8.40	470	149	200	10K		
73/08/01											27	
73/08/02											27	
73/08/03											27	
73/08/04											28	
73/08/05											29	
73/08/06											29	
73/08/07											41	
73/08/08											29	
73/08/09											29	
73/08/10											25	
73/08/11											23	
73/08/12											24	
73/08/13											25	
73/08/14											27	
73/08/15											28	
73/08/16											29	
73/08/17											25	

STREET RETRIEVAL DATE 75/09/14
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MTINER AT MTINER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111202
2 0000 METER DEPTH

DATE	TIME	DEPTH	00008 LAKE IDENT.	00010 WATER TEMP	00300 DO	00400 PH	00094 CONDUCTVY FIELD	00410 T ALK CAC03	31501 TOT COLI MFIMENDO	31616 FEC COLI MEM-FGAR	00077 TRANSP SECCHI	00060 STREAM FLOW CFS
FROM	OF	METER	NUMBER	CENT	MG/L	SH	MICROMMHO	MG/L	./100ML	/100ML	INCHES	
73/08/18												26
73/08/19												26
73/08/20												25
73/08/21												24
73/08/22												26
73/08/23												26
73/08/24												24
73/08/25												23
73/08/26												26
73/08/27												24
73/08/28												25
73/08/29												26
73/08/30												25
73/08/31												24
73/09/01												24
73/09/02												23
73/09/03												23
73/09/04												22
73/09/05												22
73/09/06												22
73/09/07												22
73/09/08												22
73/09/09												25
73/09/10												23
73/09/11												25
73/09/12	09 15	0000	37418	19.7	8.8	8.30	525	176				
73/09/13												23
73/09/14												25
73/09/15												23
73/09/16												23
73/09/17												23
73/09/18												23
73/09/19												23
73/09/20												23
73/09/21												23

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
15 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
11196050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAKE IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMENDO /100ML	31616 FEC COLI MFIM-FCHK /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/09/22												23
73/09/23												23
73/09/24												23
73/09/25	11 30	0000	39918	13.6	8.4	8.20	500	180	15000	140		26
73/09/26												23
73/09/27												22
73/09/28												22
73/09/29												22
73/09/30												23
73/10/01												22
73/10/02												23
73/10/03												22
73/10/04												23
73/10/05												23
73/10/06												23
73/10/07												23
73/10/08												24
73/10/09												24
73/10/10												24
73/10/11												24
73/10/12												24
73/10/14												12
73/10/15												24
73/10/16												24
73/10/17												24
73/10/18	11 00	0000	42918	13.4	7.8	8.10	560	192	30000	1400		44
73/10/19												25
73/10/20												26
73/10/21												29
73/10/22												26
73/10/23												26
73/10/24												26
73/10/25												26
73/10/26												26

STORET RETRIEVAL DATE 15/09/14
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 10400
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 TAP INST. NUMBER	00061 STREAM FILTH INST-CES	32211 CHLOROPHYL A UG/L CORRECTED	32218 PHENOPHTIN A UG/L	32223 CHLOROPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH4-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/20	13 35	0000	25418	7767	13.40		0.48	0.370	0.420	0.050		
73/07/03	14 15	0000	27418	4481	24.45		0.33	0.350	0.380	0.030		
73/07/18	09 45	0000	24418	4669			0.97	0.610	0.620	0.010		
73/07/31	15 00	0000	31418	9330	23.50		1.26	0.670	0.690	0.020		
73/09/12	09 15	0000	37418	6665	54.94		10.76	0.560	0.580	0.020		
73/09/25	11 30	0000	34418	5569	6.40		6.58		0.600	0.010K	0.023	0.510
73/10/18	11 00	0000	42418	2355	11.65				0.920	0.010	0.001	0.020
73/10/30	12 30	0000	46418	2112			2.42		1.020	0.060	0.006	0.480
73/11/14	14 20	0000	46418	2164	11.50		0.20		0.820	0.150	0.014	0.560
73/12/01				2260								
73/12/02				2744								
73/12/03				3107								
73/12/04	12 10	0000	44418	3200	10.00				0.600	0.250	0.009	0.600
73/12/05				3050								
73/12/06				3510								
73/12/07				4500								
73/12/08				4270								
73/12/09				4350								
73/12/10				4380								
73/12/11				4350								
73/12/12				3550								
73/12/13				3340								
73/12/14				3430								
73/12/15				3240								
73/12/16				3300								
73/12/17				3330								
73/12/18				3250								
73/12/19	12 30	0000	51418	3650					0.310	0.170	0.012	0.620
73/12/20				3610								
73/12/21				3740								
73/12/22				3930								
73/12/23				3660								
73/12/24				3400								
73/12/25				3240								
73/12/26				2660								
73/12/27				2750								

START INTERVAL, DATE 75/10/14
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MINER AT MINER DAM
14 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
11190050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	000004 TEMP. F/°C	000010 WATER TEMP F/°C	000000 DO MG/L	000010 PH SU	000044 CONDUCTIVITY FIELD MICROMHO	000410 TALK CAC03 MG/L	31501 TOT COLT MEMENED /100ML	31616 FEC COLT MEM-FCMK /100ML	000011 TRANSV SECCMI INCHES	000060 STREAM FLOW CFS
73/10/27												24
73/10/28												24
74/10/29												24
73/10/30	12	30	0000	64.14	1.5	8.2	7.10	625	206	5000	800	44
73/10/31												24
73/11/01												24
74/11/02												24
73/11/03												24
73/11/14	14	20	0000	64.14	6.5	8.2	8.20	600	209	9000	600	41
73/12/06	12	10	0000	64.14	1.1	11.7	8.30	550	208	23000	5000	40
73/12/06												23
73/12/07												24
73/12/09												25
73/12/10												27
73/12/11												24
73/12/12												27
73/12/14												26
73/12/15												26
73/12/16												26
73/12/17												26
73/12/19	12	30	0000	51.14	1.5		7.90	600		98000	100	26
73/12/21												25
73/12/22												25
73/12/23												25
73/12/24												26
73/12/25												27
73/12/27												27
73/12/29												25
73/12/30												24
74/01/03												24
74/01/08	12	00	0000	20.14	0.2	10.6	7.80	650	188	25500	7200	23
74/01/15												26
74/01/17												26
74/01/19												21
74/01/21												25

STREET RECEPTIONAL DATE 75/09/18
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREA FLOW INST-CFS	32211 CHLORPHYL A MG/L CORRECTED	32214 PHENOL A MG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/12/28				3130								
73/12/29				4340								
73/12/30				4130								
73/12/31				3310								
74/01/01				2910								
74/01/02				2520								
74/01/03				3500								
74/01/04				3110								
74/01/05				3500								
74/01/06				3300								
74/01/07				3190								
74/01/08	12 00	0000	2418	3190				0.410	0.510	0.100	0.011	0.740
				3140								
74/01/09				3240								
74/01/10				3040								
74/01/11				3040								
74/01/12				3100								
74/01/13				3200								
74/01/14				3700								
74/01/15				3190								
74/01/16				4240								
74/01/17				4440								
74/01/18				4440								
74/01/19				4380								
74/01/20				4360								
74/01/21				4040								
74/01/22				3340								
74/01/23	12 30	0000	4418	2600				0.520	0.670	0.150	0.023	0.680
74/01/24				4060								
74/01/25				3980								
74/01/26				3700								
74/01/27				3710								
74/01/28				3470								
74/01/29				4510								
74/01/30				4740								
74/01/31				4780								

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAR IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVITY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 /100ML	31616 FEC COLI MFIM-FCHR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
74/01/23	12 30	0000	4918	0.2	11.0	7.90	620	195	85000	7200	33	
74/01/24											20	
74/01/29											20	
74/02/01											18	
74/02/02											17	
74/02/03											17	
74/02/04											17	
74/02/05	12 00	0000	4918	1.2	11.3	8.30	600	167	2900		35	
74/02/06											17	
74/02/08											18	
74/02/13											17	
74/02/18											15	
74/02/20											17	
74/02/23											17	
74/02/25											17	
74/02/27	15 00	0000	4918	1.9			560		1900	50	16	
74/03/01											17	7695
74/03/02												6040
74/03/03												6990
74/03/04											17	8200
74/03/05											16	11230
74/03/06												11215
74/03/07												11580
74/03/08												15980
74/03/09												15920
74/03/10												16200
74/03/11												16080
74/03/12	12 00	0000	11418	3.1	9.2		490		3100	80	17	15940
74/03/13												16000
74/03/14											14	16320
74/03/15												16505
74/03/16												16556
74/03/17												16296
74/03/18											14	16195
74/03/19												16896
74/03/20												

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
11190050 2111202
2 0000 MEIER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIV FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MEMENDO /100ML	31616 FEC COLI MEM-FCRR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
74/03/21												16696
74/03/22											14	15896
74/03/23												15580
74/03/24											14	15540
74/03/25												4926
74/03/26												4806
74/03/27												4901
74/03/28												5125
74/03/29												5090
74/03/30											14	13026
74/03/31												14387
74/04/01												15612
74/04/02												15748
74/04/03												15768
74/04/04											12	16088
74/04/05												16100
74/04/06												15905
74/04/07											13	15763
74/04/08												16103
74/04/09												15740
74/04/10	19 45	0000	15918	5.7	10.7		500		20000	240	14	
74/04/11												16518
74/04/12											13	16200
74/04/13												19928
74/04/14												19290
74/04/15												18786
74/04/16												18660
74/04/17												17355
74/04/18											14	19160
74/04/19												18896
74/04/20												18778
74/04/21												19365
74/04/22												19887
74/04/23												20143
74/04/24											14	19511
74/04/25											14	19407

STORET RETRIEVAL DATE 76/09/14
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVITY FIELD MICROMHO	00410 TALK CAC03 MG/L	31501 TOT COLI MFIMEND0 /100ML	31616 FEC COLI MFIM-FCHK /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
74/04/26												19406
74/04/27											14	19411
74/04/28											13	21175
74/04/29												22041
74/04/30												22350
74/05/01												22485
74/05/02												21652
74/05/03											16	21798
74/05/04												22456
74/05/05												22656
74/05/06											16	22526
74/05/07	15 00	0000	19918	12.2	11.2	8.20	550	192	24000	550	21	22877
74/05/08												22816
74/05/09												22642
74/05/10												22764
74/05/11											17	22064
74/05/12												22764
74/05/13											17	21655
74/05/14												22400
74/05/15											17	20083
74/05/16											17	19780
74/05/17												19717
74/05/18												18549
74/05/19												17459
74/05/20												16131
74/05/21												18005
74/05/22											17	17766
74/05/23												17462
74/05/24											21	16757
74/05/25											21	16859
74/05/26												16873
74/05/27											21	16893
74/05/28											21	16412
74/05/29												16326
74/05/30												16772
74/05/31											21	17169

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153001 13087900
42 31' 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAKE IDENT. NUMBER	00061 STREAM FLOW, INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
74/02/01				5140								
74/02/02				5500								
74/02/03				5700								
74/02/04				8260								
74/02/05	12 00 0000		4918	6330	12.00			0.480	0.520	0.040	0.013	0.590
74/02/06				6560								
74/02/07				6710								
74/02/08				7240								
74/02/09				7110								
74/02/10				7190								
74/02/11				7280								
74/02/12				7190								
74/02/13				7280								
74/02/14				7110								
74/02/15				7190								
74/02/16				7000								
74/02/17				7200								
74/02/18				8270								
74/02/19				8940								
74/02/20				8300								
74/02/21				6955								
74/02/22				5490								
74/02/23				6030								
74/02/24				6950								
74/02/25				7725								
74/02/26				8295								
74/02/27	15 00 0000		4918	8685				0.660	0.770	0.110	0.012	0.200
74/02/28				8505								
74/03/12	12 00 0000		11918	0	64.30			0.660	0.690	0.030	0.010	0.140
74/04/10	19 45 0000		15918	14750			0.99	0.460	0.520	0.060	0.006	0.080
74/05/07	15 00 0000		14918	22709	52.50			0.320	0.330	0.010	0.001	0.010K

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153001 13087900
42 31 24.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 TDAHQ
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111202
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTH0 MG/L P	00680 T ORG C C MG/L	00660 ORTHOP04 PO4 MG/L	01002 ARSENIC AS.TOT UG/L	01051 LEAD PB.TOT UG/L	01027 CAURIUM CU.TOT UG/L	71900 MERCURY HG.TOTAL UG/L
73/06/20	13 35	0000	25918	0.1	0.080			0.05				
73/07/03	14 15	0000	27918	0.1	0.080			0.04				
73/07/18	09 45	0000	29918	0.1	0.100			0.05				
73/07/31	15 00	0000	31918	0.03	0.120			0.06				
73/09/12	09 15	0000	37918	0.4	0.150			0.07				
73/09/25	11 30	0000	39918		0.140	0.060		0.05	5	35	320	0.4
73/10/18	11 00	0000	42918		0.110	0.020		0.01	4		5	0.8
73/10/30	12 30	0000	44918		0.140	0.040			4		2	1.4
73/11/14	14 20	0000	46918		0.140	0.060			2		2	0.9
73/12/04	12 10	0000	49918		0.150	0.090						
73/12/19	12 30	0000	51918		0.130	0.070						
74/01/08	12 00	0000	2918		0.130	0.090						
74/01/23	12 30	0000	4918		0.150	0.070						
74/02/05	12 00	0000	6918		0.140	0.050						
74/02/27	15 00	0000	9918		0.070	0.010						
74/03/12	12 00	0000	11918		0.130	0.010						
74/04/10	19 45	0000	15918		0.170	0.010						
74/05/07	15 00	0000	19918		0.090	0.010K						

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153003 13172850
43 32 54.0 116 47 57.0
SNAKE RIVER AT MARSHING IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C850 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 /100ML	31616 FEC COLI MEM-FCHR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/21	08	00	0000	25419	21.5	12.6	8.50	575	157			
73/07/03	09	20	0000	27919	19.7	9.9	8.60	575	180			
73/07/19	07	30	0000	29919	21.3	8.9	8.60	625	170			
73/07/31	10	15	0000	31919	23.3	10.8	8.40	650	177			
73/09/11	17	20		37919	20.8	12.5	8.50	600	198			
73/09/24	12	00	0000	39919	16.2	10.0	8.40	560	177			
73/10/18	15	00	0000	42919	14.2	14.6	8.40	525	184			
73/10/29	13	25	0000	44919	11.5	11.7	8.20	650	182			
73/11/15	08	45	0000	46919	9.0	10.8	8.10	620	179			
73/12/03	12	15	0000	49919	5.7	11.8	8.40	545	189			
73/12/20	08	15	0000	51919	4.5		8.00	625				
74/01/07	12	00	0000	2919	1.5	13.7	7.90	620	198			
74/01/24	17	30	0000	4919	5.1	10.5	7.80	550	195			
74/02/04	21	00	0000	6919	5.8	11.8	8.50	570	172			
74/02/28	10	30	0000	9919	5.3	11.8		560				
74/03/11	21	00	0000	11919	7.8	12.5		500				
74/04/11	20	15	0000	15919	10.1	11.5		460				
74/05/10	08	30	0000	19919	14.4	10.9	7.70	400	172			

273

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153003 13172850
43 32 54.0 116 47 57.0
SNAKE RIVER AT MARSING IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW. INST-CFS	32211 CHLORPHYL A MG/L CORRECTED	32218 PHENOPHTN A MG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/21	08 00	0000	25919	6180			1.18	0.530	0.530	0.010K		
73/07/03	09 20	0000	27919	5480	32.65			0.530	0.550	0.020		
73/07/19	07 30	0000	29919	5580	80.70			0.790	0.800	0.010		
73/07/31	10 15	0000	31919	6500			0.64	0.730	0.750	0.020		
73/09/11	17 20		37919	7970	35.51			1.200	1.230	0.030		
73/09/24	12 00	0000	39919	9210			0.00		0.600	0.010K	0.011	0.880
73/10/18	15 00	0000	42919	9860	106.50				1.040	0.030	0.008	0.770
73/10/29	13 25	0000	44919	9860			1.66		0.690	0.010K	0.008	0.980
73/11/15	08 45	0000	46919	11300			0.00		0.520	0.010	0.008	1.400
73/12/03	12 15	0000	49919	10900			9.44		0.330	0.020	0.010	1.000
73/12/20	08 15	0000	51919	11900					0.290	0.010	0.012	1.200
74/01/07	12 00	0000	2919	11100				0.230	0.240	0.010	0.008	1.200
74/01/24	17 30	0000	4919	21500				0.350	0.360	0.010	0.009	1.200
74/02/04	21 00	0000	6919	21500			3.25	0.440	0.460	0.020	0.007	0.950
74/02/28	10 30	0000	9919	26700				0.630	0.670	0.040	0.005	0.680
74/03/11	11 21											0.560
	21 00	0000	11919	35100				0.590	0.610	0.020	0.006	0.560
74/04/11	20 15	0000	15919					0.720	0.740	0.020	0.006	0.400
74/05/10	08 30	0000	19919				1.67	0.580	0.600	0.020	0.004	0.330

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153003 13172850
43 32 54.0 116 47 57.0
SNAKE RIVER AT MARSING IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2FEND3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C C MG/L	00660 ORTHOP04 PO4 MG/L	01002 ARSENIC AS.TOT UG/L	01051 LEAD PB.TOT UG/L	01027 CADMIUM CD.TOT UG/L	71900 MERCURY HG.TOTAL UG/L
73/06/21	08 00	0000	25419	0.3	0.070			0.01				
73/07/03	09 20	0000	27419	0.6	0.060			0.01				
73/07/19	07 30	0000	29419	0.5	0.060			0.01	13		2	0.2
73/07/31	10 15	0000	31419	0.7	0.070			0.03	7		3	1.3
73/09/11	17 20		37419	1.0	0.060			0.03	5		5	0.9
73/09/24	12 00	0000	39419		0.070	0.020		0.02	5	20	0.5	0.9
73/10/18	15 00	0000	42419		0.070	0.010		0.01K	6		5	0.5
73/10/29	13 25	0000	44419		0.060	0.010			4		4	1.4
73/11/15	08 45	0000	46419		0.060	0.010			1		2	1.1
73/12/03	12 15	0000	49419		0.060	0.040			4		520	0.2
73/12/20	08 15	0000	51419		0.080	0.040			2			1.6
74/01/07	12 00	0000	2419		0.070	0.040			2		345	2.2
74/01/24	17 30	0000	4919		0.080	0.050					20	0.6
74/02/04	21 00	0000	6419		0.090	0.020			4		6	1.1
74/02/28	10 30	0000	9419		0.080	0.010K			4		6	0.4
74/03/11	21 00	0000	11919		0.100	0.010			1		12	0.3
74/04/11	20 15	0000	15419		0.120	0.010			3	15	1K	0.4
74/05/10	08 30	0000	19419		0.090	0.010K			5		12	1.0

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153003 13172450
43 32 54.0 116 47 57.0
SNAKE RIVER AT MARSHING IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C C MG/L	00660 ORTHOP04 PO4 MG/L	01002 ARSENIC AS.TOT UG/L	01051 LEAD PB.TOT UG/L	01027 CADMIUM CD.TOT UG/L	71900 MERCURY HG.TOTAL UG/L
73/06/21	08 00	0000	25419	0.3	0.070			0.01				
73/07/03	09 20	0000	27419	0.6	0.060			0.01				
73/07/19	07 30	0000	29419	0.5	0.060			0.01	13		2	0.2
73/07/31	10 15	0000	31419	0.7	0.070			0.03	7		3	1.3
73/09/11	17 20		37919	1.0	0.060			0.03	5		5	0.9
73/09/24	12 00	0000	39419		0.070	0.020		0.02	5	20	0.5	0.9
73/10/18	15 00	0000	42419		0.070	0.010		0.01K	6		5	0.5
73/10/29	13 25	0000	44419		0.060	0.010			4		4	1.4
73/11/15	08 45	0000	46419		0.060	0.010			1		2	1.1
73/12/03	12 15	0000	49419		0.060	0.040			4		520	0.2
73/12/20	08 15	0000	51419		0.080	0.040			2			1.6
74/01/07	12 00	0000	2419		0.070	0.040			2		385	2.2
74/01/24	17 30	0000	4919		0.080	0.050					30	0.6
74/02/04	21 00	0000	6419		0.090	0.020			4		6	1.1
74/02/28	10 30	0000	4419		0.080	0.010K			4		6	0.4
74/03/11	21 00	0000	11919		0.100	0.010			1		12	0.3
74/04/11	20 15	0000	15419		0.120	0.010			3	15	1K	0.4
74/05/10	08 30	0000	19419		0.090	0.010K			5		12	1.0

STORET RETRIEVAL DATE 75/04/14
UPPER SNAKE

153005 13213020
43 46 54.0 116 58 17.0
HOUSE RIVER WEST OF PARMA IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVITY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMENDO /100ML	31616 FEC COLI MFM-FCHH /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/21	09	30	0000	25420	24.2	8.3	8.10	498	157			
73/07/03	07	15	0000	27420	18.7	6.5	7.80	550	191			
73/07/19	06	20	0000	24420	20.6	6.3	7.80	600	192			
73/07/31	09	00	0000	31420	21.0	6.2	6.70	625	122			
73/09/11	16	00		37420	22.2	12.7	7.70	560	222			
73/09/24	13	45	0000	34420	15.3	9.6	8.10	500	182			
73/10/18	18	00	0000	42420	15.3	10.3	7.90	580	197			
73/10/29	16	10	0000	44920	11.9	12.7	7.70	560	222			
73/11/15	11	15	0000	46420	9.8	11.1	7.80	550	200		48	
73/12/03	14	00	0000	44420	7.5	11.8	8.60	625	238			
73/12/20	09	15	0000	51420	5.2		7.60	650				
74/01/07	13	15	0000	2420	1.3	12.3	8.10	700	217			
74/01/24	16	00	0000	4420	6.4	10.0	8.00	600	200			
74/02/04	20	00	0000	6420	5.7	10.1	8.00	550	168			
74/02/28	11	30	0000	4420	4.3	11.1		185				
74/03/11	14	30	0000	11920	6.4	11.0		175				
74/04/11	14	30	0000	15420	8.0	11.0		152				
74/05/10	10	00	0000	14920	11.7	11.4	7.60	150	146			

STORET RETRIEVAL DATE 75/04/18
UPPER SNAKE

153005 13213020
43 46 54.0 116 58 17.0
BOISE RIVER WEST OF PARMA IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH4-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/21	09 30	0000	25420	503			0.52	0.670	0.720	0.050		
73/07/03	07 15	0000	27420	314			1.24	0.830	0.430	0.100		
73/07/19	06 20	0000	29420	363	10.40			0.820	0.880	0.060	0.043	1.500
73/07/31	09 00	0000	31420	671			4.17	0.670	0.710	0.040	0.024	1.400
73/09/11	16 00		37420	582			6.20	0.920	0.930	0.010		
73/09/24	13 45	0000	39420	848			2.75		0.730	0.030	0.024	1.700
73/10/18	18 00	0000	42420	1608			3.24		0.910	0.110	0.046	2.000
73/10/29	16 10	0000	44420	431			1.55		1.070	0.190	0.058	2.300
73/11/15	11 15	0000	46420	464			1.89		1.190	0.290	0.080	2.400
73/12/03	14 00	0000	48420	484					0.740	0.200	0.055	2.500
73/12/20	09 15	0000	51420	944					0.350	0.400	0.068	2.600
74/01/07	13 15	0000	2420	841				0.410	0.960	0.550	0.062	2.500
74/01/24	16 00	0000	4920	864				0.800	1.200	0.370	0.045	2.100
74/02/04	20 00	0000	6420	1080			2.80	0.660	0.900	0.240	0.045	2.100
74/02/28	11 30	0000	9420	5320				0.390	0.460	0.070	0.014	0.570
74/03/11	19 30	0000	11420	5310				0.230	0.290	0.060	0.012	0.550
74/04/11	19 30	0000	15420					0.460	0.470	0.010	0.011	0.320
74/05/10	10 00	0000	19420					0.260	0.280	0.020	0.011	0.300

STREET RETRIEVAL DATE 75/00/18
UPPER SNAKE

153005 13213020
43 46 54.0 116 58 17.0
WHITE RIVER WEST OF PARMA IDAHO
15 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00608 LAB IDENT. NUMBER	00630 NICKEL N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS,TOT UG/L	01051 LEAD PB,TOT UG/L	01027 CADMIUM CD,TOT UG/L	71900 MERCURY HG,TOTAL UG/L
73/06/21	09 30	0000	25420	1.1	0.340			0.25				
73/07/03	07 15	0000	27420	0.7	0.650			0.32				
73/07/14	06 20	0000	29420	1.1	0.480			0.35				
73/07/31	09 00	0000	31420	1.0	0.340			0.30				
73/09/11	16 00		37420	0.9	0.250			0.25				
73/09/24	13 45	0000	39420		0.280	0.270		0.22				
73/10/14	18 00	0000	42420		0.360	0.300		0.30				
73/10/24	16 10	0000	44420		0.280	0.250						
73/11/15	11 15	0000	46420		0.390	0.320						
73/12/03	14 00	0000	49420		0.300	0.250						
73/12/20	09 15	0000	51420		0.320	0.260						
74/01/07	13 15	0000	7420		0.340	0.240						
74/01/24	16 00	0000	6920		0.420	0.300						
74/02/04	20 00	0000	6420		0.310	0.230						
74/02/28	11 30	0000	9420		0.100	0.050						
74/03/11	19 30	0000	11920		0.110	0.060						
74/04/11	19 30	0000	15420		0.110	0.040						
74/05/10	10 00	0000	14920		0.140	0.060						

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

153004
44 14 44.0 116 58 48.0
SNAKE RIVER AT WEISER IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMENDD /100ML	31616 FEC COLI MFM-FCRR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/21	10	50	0000	25421	22.0	10.5	8.60	535	151			
73/07/02	13	35	0000	27421	20.9	10.9	8.50	525	148			
73/07/18	14	45	0000	24421	26.2	11.9	8.70	550	150			
73/07/31	11	45	0000	31421	26.7	10.3	8.30	550	151			
73/09/11	13	20		37421	21.2	10.6	8.50	550	186			
73/09/24	14	45	0000	34421	16.4	9.8	8.40	400	145			
73/10/19	04	30	0000	42421	11.7	9.8	8.10	426	151			
73/10/24	16	45	0000	44421	10.3	13.5	8.80	375	148		19	
73/11/15	12	00	0000	46421	5.9	12.0	8.40	360	130			
73/12/03	14	50	0000	44421	4.9	12.2	7.20	120	49			
73/12/20	10	30	0000	51421	4.4			500				
74/01/07	14	30	0000	2421	0.1	13.2	7.70		99			
74/01/24	10	15	0000	4421	3.8	10.5	7.60	400	80			
74/02/04	11	30	0000	6421	2.7	11.6	7.40	160	58			
74/02/28	13	00	0000	4421	4.5	11.7		210				
74/03/11	12	30	0000	11421	6.8	11.3	6.80	410	210			
74/04/11	17	00	0000	15421	8.8	10.6		153				
74/05/10	11	45	0000	14421	11.1	11.6	7.40	90	112			

STORET RETRIEVAL DATE 75/04/13
UPPER SNAKE

153004
44 14 44.0 116 58 48.0
SNAKE RIVER AT WEISER IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW, INST-CFS	32211 CHLORPHYL A UG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/21	10 50	0000	25421	11200			2.82	0.730	0.740	0.010		
73/07/02	13 35	0000	27421	4200			5.51	0.490	1.010	0.020		
73/07/18	14 45	0000	24421	4200	10.57			1.130	1.140	0.010	0.018	0.080
73/07/30	11 45			10300			2.64					
73/07/31	11 45	0000	31421					1.160	1.170	0.010	0.015	0.460
73/09/11	13 20		37421	12900			5.84	0.730	0.740	0.010		
73/09/24	14 45	0000	34421	14400			2.17		0.930	0.010K	0.008	0.710
73/10/19	06 30	0000	42421	13800			1.17		0.680	0.020	0.007	0.470
73/10/29	16 45	0000	44421	11800			1.53		0.590	0.010K	0.004	0.460
73/11/15	12 00	0000	46421	18600			0.39		0.940	0.030	0.004	0.470
73/12/03	14 50	0000	44421	17800			0.12		0.780	0.030	0.003	0.600
73/12/20	10 30	0000	51421	18600					0.400	0.020	0.013	1.200
74/01/07	14 30	0000	2421	16200				0.290	0.340	0.050	0.006	0.880
74/01/24	10 15	0000	4921	22400				0.530	0.560	0.030	0.008	0.950
74/02/04	11 30	0000	6421				0.02	0.450	0.490	0.040	0.006	0.660
74/02/28	13 00	0000	9421					0.340	0.360	0.020	0.003	0.640
74/03/11	12 30	0000	11421					0.630	0.680	0.050	0.006	0.610
74/04/11	17 00	0000	15421		6.70			0.180	0.190	0.010	0.003	0.260
74/05/10	11 45	0000	14421					0.440	0.460	0.020	0.001	0.100

STORET RETRIEVAL DATE 74/09/14
UPPER SNAKE

153004
44 14 44.0 116 58 48.0
SNAKE RIVER AT WEISER IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
11190050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	000004 LAB ID NUMBER	000630 NITROGEN N-TOTAL MG/L	000665 PHOS-PH MG/L P	000671 PHOS-PH MG/L P	000680 T ORG C MG/L	000660 ORTHOPHOS MG/L	01002 ARSENIC AS,TOT UG/L	01051 LEAD PB,TOT UG/L	01027 CADMIUM CD,TOT UG/L	71900 MERCURY HG,TOTAL UG/L
73/06/21	10 50	0000	25421	0.3	0.140			0.02				
73/07/02	13 35	0000	27421	0.2	0.140			0.03				
73/07/18	14 45	0000	29421	0.1	0.150			0.03	14		3.	1.0
73/07/31	11 45	0000	31421	0.3	0.140			0.03	13		3	2.1
73/09/11	13 20		37421	0.7	0.090			0.02	5		4	0.9
73/09/24	14 45	0000	39421		0.170	0.060		0.05	8	15	0.5	0.9
73/10/14	04 30	0000	42421		0.100	0.020		0.02	8		11	0.8
73/10/24	14 45	0000	44421		0.100	0.030			6		2K	2.2
73/11/15	12 00	0000	46421		0.260	0.050			2		2	1.1
73/12/03	14 50	0000	49421		0.150	0.060			3		25	0.5
73/12/20	10 30	0000	51421		0.120	0.060						
74/01/07	14 30	0000	2421		0.080	0.050			1		7	1.6
74/01/24	10 15	0000	4421		0.160	0.050					104	0.9
74/02/04	11 30	0000	6421		0.100	0.070			2		6	1.2
74/02/28	13 00	0000	9421		0.070	0.030			2		5	0.2
74/03/11	12 30	0000	11421		0.120	0.040			1		240	0.4
74/04/11	17 00	0000	15421		0.100	0.030			2	12	1K	1.0
74/05/10	11 45	0000	19421		0.200	0.020			4		8	0.6

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

403004
44 50 06.0 117 54 01.0
SNAKE RIVER RL BROWNLEE DAM
OREGON
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1114C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAH IDEN]. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CAC03 MG/L	31501 TOT COLI MFIMEND0 -/100ML	31616 FEC COLI MFIM-FCKR -/100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/21	14 45	0000	25422	16.4	7.2	8.10	401	117			164	
73/07/02	16 00	0000	27422	18.3	7.2	8.30	460	122			168	
73/07/18	16 15	0000	28422	19.0	5.7	8.20	420	125				
73/07/31	16 15	0000	31422	20.7	6.7	8.00	370	135				
73/09/11	09 45		37422	20.6	3.3	7.80	450	152				
73/09/24	17 30	0000	34422	19.1	4.4	8.00	525	162			232	
73/10/18	20 30	0000	42422	5.4	6.1	8.00	506	171				
73/10/29	19 10	0000	44422	14.1	6.5	7.40	550	174				
73/11/15	14 25	0000	46422	8.9	11.7	8.00	550	168			177	
73/12/03	17 30	0000	44422	17.9	7.8	7.90	560	179			158	
74/01/07	17 30	0000	2422	3.7	10.2	7.80	550	174			125	
74/01/24	13 20	0000	4422	5.3	9.2	7.80	500	171			110	
74/02/04	16 00	0000	6422	2.3	10.9	7.90	465	122			25	
74/02/24	16 30	0000	4422	4.7	7.2		500				62	
74/03/11	16 30	0000	11422	5.4	13.6		400				41	
74/04/11	15 00		15422	8.1							19	
74/05/10	14 15	0000	14422	13.8	14.1	7.60	300	121				

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

403004
44 50 06.0 117 54 01.0
SNAKE RIVER AL BROWNLEE DAM
OREGON
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAH IDENT. NUMBER	00010 WATER TEMP CENT	00300 DO MG/L	00400 PH SU	00094 CONDUCTIVY FIELD MICROMHO	00410 T ALK CACO3 MG/L	31501 TOT COLI, MFIMENDD /100ML	31616 FEC COLI MFEM-FCAR /100ML	00077 TRANSP SECCHI INCHES	00060 STREAM FLOW CFS
73/06/21	14 45	0000	25422	16.4	7.2	8.10	401	117			164	
73/07/02	16 00	0000	27422	18.3	7.2	8.30	460	122			168	
73/07/19	16 15	0000	29422	19.0	5.7	8.20	490	125				
73/07/31	16 15	0000	31422	20.7	6.7	8.00	370	135				
73/09/11	09 45		37422	20.6	3.3	7.80	450	152				
73/09/24	17 30	0000	39422	19.1	4.4	8.00	525	162			232	
73/10/18	20 30	0000	42422	5.4	6.1	8.00	506	171				
73/10/29	19 10	0000	44422	14.1	6.5	7.90	550	174				
73/11/15	14 25	0000	46422	8.9	11.7	8.00	550	168			177	
73/12/03	17 30	0000	48422	17.9	7.8	7.90	560	179			158	
74/01/07	17 30	0000	2922	3.7	10.2	7.80	550	174			125	
74/01/24	13 20	0000	4922	5.3	9.2	7.80	500	171			110	
74/02/04	16 00	0000	6922	2.3	10.9	7.90	465	122			25	
74/02/28	16 30	0000	4922	4.7	7.2		500				62	
74/03/11	16 30	0000	11922	5.4	13.6		400				41	
74/04/11	15 00		15922	8.1							19	
74/05/10	14 15	0000	19422	13.8	14.1	7.60	300	121				

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

403004
44 50 06.0 117 54 01.0
SNAKE RIVER HL BRONNLEE DAM
OREGON
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00061 STREAM FLOW INST-CFS	32211 CHLORPHYL A MG/L CORRECTED	32218 PHENOPHTN A UG/L	32223 CHLORPHYL A MG/M2 CORRECTED	00605 ORG N N MG/L	00625 TOT KJEL N MG/L	00610 NH3-N TOTAL MG/L	00615 NO2-N TOTAL MG/L	00620 NO3-N TOTAL MG/L
73/06/21	14 45	0000	25922	14570	6.55		2.00	0.190	0.190	0.010K		
73/07/02	16 00	0000	27922	9090			1.98	0.240	0.310	0.020		
73/07/18	16 15	0000	29922	8000	3.00		1.94	0.260	0.270	0.010		
73/07/30	16 15				15.00		0.51					
73/07/31	16 15	0000	31922	9260				0.530	0.550	0.020		
73/09/11	09 45		37922	14050	7.37		6.50	0.500	0.710	0.210		
73/09/24	17 30	0000	39922	15800	20.10		1.48		0.330	0.010K	0.007	0.630
73/10/18	20 30	0000	42922	14770	77.50				0.950	0.020	0.007	0.470
73/10/29	19 10	000	44922	20600	0.50				0.530	0.030	0.004	0.870
73/11/15	14 25	0000	46922	24360			0.04		0.430	0.010	0.006	0.960
73/12/03	17 30	0000	49922	21779	23.00		9.64		0.460	0.220	0.013	0.870
74/01/07	17 30	0000	2922	24346				0.190	0.240	0.100	0.019	1.200
74/01/24	13 20	0000	4922	36808				0.460	0.490	0.030	0.003	1.300
74/02/04	16 00	0000	6922	25067	3.50			0.360	0.460	0.100	0.009	0.910
74/02/28	16 30	0000	9922	37496				0.470	0.520	0.050	0.007	0.880
74/03/11	16 30	0000	11922	38413	17.90			0.440	0.510	0.070	0.006	0.630
74/04/11	15 00		15922		8.04			0.470	0.480	0.010	0.010	0.410
74/05/10	14 15	0000	19922		31.49			0.630	0.710	0.080	0.006	0.220

STORET RETRIEVAL DATE 75/09/18
UPPER SNAKE

403004
44 50 06.0 117 54 01.0
SNAKE RIVER HL. BROWNIE DAM
OREGON
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 METER DEPTH

DATE FROM TO	TIME OF DAY	DEPTH METER	00008 LAB IDENT. NUMBER	00630 NO2&NO3 N-TOTAL MG/L	00665 PHOS-TOT MG/L P	00671 PHOS-DIS ORTHOP MG/L P	00680 T ORG C MG/L	00660 ORTHOP04 P04 MG/L	01002 ARSENIC AS.TOT UG/L	01051 LEAD PB.TOT UG/L	01027 CADMIUM CD.TOT UG/L	71900 MERCURY HG.TOTAL UG/L
73/06/21	14 45	0000	25422	0.3	0.040			0.03				
73/07/02	16 00	0000	27422	0.3	0.030			0.02				
73/07/18	16 15	0000	24422	0.3	0.030			0.03				
73/07/31	16 15	0000	31422	0.3	0.060			0.03				
73/09/11	09 45		37422	0.4	0.090			0.08				
73/09/24	17 30	0000	30422		0.090	0.080		0.06				
73/10/18	20 30	0000	42422		0.100	0.020		0.02				
73/10/24	19 10	0000	44422		0.070	0.060						
73/11/15	14 25	0000	46422		0.130	0.030						
73/12/03	17 30	0000	44422		0.070	0.060						
74/01/07	17 30	0000	2422		0.090	0.070						
74/01/24	13 20	0000	4422		0.130	0.060						
74/02/04	16 00	0000	4422		0.150	0.070						
74/02/28	16 30	0000	4422		0.060	0.040						
74/03/11	16 30	0000	11422		0.080	0.030						
74/04/11	15 00		15422		0.130	0.020						
74/05/10	14 15	0000	14422		0.090	0.010						

1K

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153361
44 06 40.0 111 26 52.0
HENRYS FORK ASHTON RESERVOIR
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00008 LAB IDENT. NUMBER	39330 ALDRIN WHL SMPLE UG/L	39340 BHC WHL SMPLE UG/L	39350 CHLORDANE WHL SMPLE UG/L	39360 DDT WHL SMPLE UG/L	39365 DDE WHL SMPLE UG/L	39370 DDT WHL SMPLE UG/L	39380 DIELDRIN WHL SMPLE UG/L	39390 ENDRIN WHL SMPLE UG/L	39400 TOXAPHENE WHL SMPLE UG/L
73/05/15	16	00	0001									
73/06/06	16	35	0001									
73/06/19	14	00	0001									
73/07/05	05	45	0001		0.001K	0.001	0.005K	0.001K	0.001K	0.003K	0.001K	0.060K
73/07/17	10	30	0001									
73/08/01	20	15	0001									
73/08/21	10	05	0001									
73/08/22	09	45	0001									
73/08/23	10	00	0001									
73/09/13	14	45										
73/10/16	17	00	0001		0.001K	0.003	0.005K	0.001K	0.001	0.003K	0.001K	0.060K
73/10/31	10	10	0001									
73/11/13	10	20	0001									
73/12/05	12	10	0001									
73/12/18	17	00	0001									
74/01/22	14	00	0001									
74/02/07	10	30	0001									
74/02/26	14	30	0001									
74/03/14	09	00	0001									
74/04/10	09	15	0001									
74/05/08	13	30	0001									

STREET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153361
44 06 40.0 111 26 52.0
HENRYS FORK AN ASHTON RESERVOIR
16 IDAHO
PACIFIC NORTHWEST.
UPPER SNAKE RIVER BASIN
11190050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	0000H LAR IDENT. NUMBER	39410 HCHLR WHL SMPL UG/L	39420 HCHLR-EP WHL SMPL UG/L	39782 LINDANE WHL SMPL UG/L	39508 AROCLOE 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORDANE MUD UG/KG	39363 DDE MUD UG/KG	39364 DDE MUD UG/KG
FROM TO	OF DAY	FEET										
73/05/15	16 00	0001	20901									
73/06/06	16 35	0001	23901									
73/06/19	14 00	0001	25901									
73/07/05	09 45	0001	27901	0.001K	0.001K	0.001K	0.010K		0.03K	0.20K	0.16	0.12
73/07/17	10 30	0001	29901									
73/08/01	20 15	0001	31901									
73/08/21	10 05	0001	34832									
73/08/22	09 45	0001	34881									
73/08/23	10 00	0001	34832									
73/09/13	14 45		37901									
73/10/16	17 00	0001	42901	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.03K	0.03K
73/10/31	10 10	0001	44901									
73/11/13	10 20	0001	46901									
73/12/05	12 10	0001	49901									
73/12/18	17 00	0001	51901									
74/01/22	14 00	0001	4901									
74/02/07	10 30	0001	5401									
74/02/26	14 30	0001	9901									
74/03/14	09 00	0001	11901									
74/04/10	09 15	0001	15901									
74/05/08	13 30	0001	19901									

STREET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153361
44 06 40.0 111 26 52.0
HENRYS FORK AR ASHTON RESERVOIR
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39373	39383	39393	39403	39413	39423	39483	39511
FROM	OF		LAH	DOT	DIFLORIN	ENDRIN	TOXPHENE	HCHLR	HCHLR-EP	LINDANE	ARUCLOR
TO	DAY	FEET	IDENT.	MUD	MUD	MUD	MUD	MUD	MUD	MUD DRY	1260 MUD
			NUMBER	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
73/05/15	16	00	0001								
73/06/06	16	45	0001								
73/06/14	14	00	0001								
73/07/05	09	45	0001								
73/07/17	10	30	0001								
73/08/01	20	15	0001								
73/08/21	10	05	0001								
73/08/22	09	45	0001								
73/08/23	10	00	0001								
73/09/13	14	45									
73/10/16	17	00	0001								
73/10/31	10	10	0001								
73/11/13	10	20	0001								
73/12/05	12	10	0001								
73/12/18	17	00	0001								
74/01/22	14	00	0001								
74/02/07	10	30	0001								
74/02/26	14	30	0001								
74/03/14	09	00	0001								
74/04/10	09	15	0001								
74/05/08	13	30	0001								

0.18	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
0.10K	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153355
43 54 15.0 111 39 05.0
HENRYS FORK ABOVE ST ANTHONY
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050

2111204
0000 FEET DEPTH

DATE	TIME	DEPTH	00008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAB	ALDRIN	BHC	CHLORDANE	DDD	DDE	DUT	DIELDRIN	ENDRIN	TUXPHENE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
73/05/15	13	45	0001	20902								
73/06/06	13	20	0001	23902								
73/06/19	12	30	0001	25902								
73/07/04	16	30	0001	27902	0.001K	0.003	0.005K	0.001K	0.001K	0.003K	0.001K	0.060K
73/07/17	08	15	0001	29902								
73/08/01	18	00	0001	31902								
73/08/21	10	10	0001	34902								
73/08/22	11	15	0001	36961								
73/08/23	10	00	0001	36907								
73/09/13	12	35	0001	37902								
73/09/26	10	30	0001	39902	0.001K	0.002	0.001K	0.001K	0.001	0.001	0.001K	0.060K
73/10/16	15	00	0001	42902	0.001K	0.003	0.005K	0.001K	0.001K	0.003K	0.001K	0.060K
73/10/31	12	15	0001	44902	0.001K	0.004	0.005K	0.001K	0.001K	0.003K	0.001K	0.060K
73/11/13	12	40	0001	46902	0.001K	0.004	0.005K	0.001K	0.001K	0.003K	0.001K	0.060K
73/12/05	14	30	0001	49902								
73/12/18	15	30	0001	51902								
74/01/10	12	00	0001	2902								
74/01/22	12	50	0001	4902								
74/02/06	19	30	0001	6902								
74/02/26	13	45	0001	9902								
74/03/13	18	15	0001	11902								
74/04/10	08	00	0001	15902								
74/05/08	11	45	0001	19902								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153355
43 59 15.0 111 39 05.0
HENRYS FORK ABOVE ST ANTHONY
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE

1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39410 HCHLR WHL SMPLE UG/L	39420 HCHLR-FP WHL SMPLE UG/L	39782 LINDANE WHL SMPLE UG/L	39508 AROCLOX 1260 UG/L	39333 ALDRIN MUU UG/KG	39343 HHC MUU UG/KG	39351 CHLORANE MUU UG/KG	39362 MUU UG/KG	39364 MUU UG/KG
73/05/15	13 45	0001	20402									
73/06/06	13 20	0001	23402									
73/06/19	12 30	0001	25402									
73/07/04	16 30	0001	27402	0.001K	0.001K	0.001K	0.015K		0.03K	0.20K	0.03K	0.03K
73/07/17	08 15	0001	29402									
73/08/01	18 00	0001	31402									
73/08/21	10 10	0001	34802									
73/08/22	11 15	0001	34861									
73/08/23	10 25	0001	34817									
73/09/13	12 35	0001	37402									
73/09/26	10 30	0001	39402	0.001K	0.001K	0.001K	0.015K					
73/10/16	15 00	0001	42402	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.11	0.12
73/10/31	12 15	0001	44402	0.001K	0.001K	0.001K	0.015K					
73/11/13	12 40	0001	46402	0.001K	0.001K	0.001K	0.015K					
73/12/05	14 30	0001	49402									
73/12/18	15 30	0001	51402									
74/01/10	12 00	0001	2402									
74/01/22	12 50	0001	4902									
74/02/06	14 30	0001	6902									
74/02/26	13 45	0001	9902									
74/03/13	18 15	0001	11402									
74/04/10	08 00	0001	15402									
74/05/08	11 45	0001	19402									

START RETRIEVAL DATE 73/04/20
UPPER SNAKE

143355
43 59 15.0 111 39 05.0
HENRYS FORK ABOVE ST ANTHONY
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	34373	34383	34393	34403	34413	49423	49783	34511
FROM	OF	FEET	LAH	DDT	DIELODRIN	ENDRIN	TOXAPHENE	HCHLR	HCHLR-EP	LINDANE	AKROCLOR
TO	DAY		IDENT.	MUD	MUD	MUD	MUD	MUD	MUD	MUD DRY	1260 MUD
			NUMBER	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
73/05/15	13	45	0001	20002							
73/06/06	13	20	0001	23002							
73/06/14	12	30	0001	25002							
73/07/04	16	30	0001	27002	0.10K	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K
73/07/17	08	15	0001	29002							
73/08/01	18	00	0001	31002							
73/08/21	10	10	0001	36002							
73/08/22	11	15	0001	36001							
73/08/23	10	25	0001	36007							
73/09/13	12	45	0001	37002							
73/09/26	10	30	0001	39002							
73/10/16	15	00	0001	42002	0.13	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K
73/10/31	12	15	0001	44002							
73/11/13	12	00	0001	46002							
73/12/05	16	30	0001	49002							
73/12/18	15	30	0001	51002							
74/01/10	12	00	0001	20002							
74/01/22	12	50	0001	49002							
74/02/06	19	30	0001	59002							
74/02/26	13	45	0001	99002							
74/03/13	18	15	0001	11002							
74/04/10	08	00	0001	15002							
74/05/08	11	45	0001	19002							

STONET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153356
44 01 10.0 111 33 55.0
FALLS RIVER NR MOUTH
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1114C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	0000X LAB IDENT. NUMBER	39330 ALDRIN WHL SMP UG/L	39340 BHC WHL SMP UG/L	39350 CHLORDANE WHL SMP UG/L	39360 DDT WHL SMP UG/L	39365 DDE WHL SMP UG/L	39370 DDT WHL SMP UG/L	39380 DIELDRIN WHL SMP UG/L	39390 ENDRIN WHL SMP UG/L	39400 TOXPHENE WHL SMP UG/L
73/05/15	14 30	0001	20903									
73/06/06	14 50	0001	23403									
73/06/14	14 50	0001	25403									
73/07/05	08 00	0001	27903	0.001K	0.001K	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/07/17	08 45	0001	29403									
73/08/01	18 45	0001	31903									
73/08/21	10 35	0001	34400									
73/08/22	12 10	0001	34450									
73/08/23	10	0001	36906									
73/09/13	13 15		37903									
73/09/26	11 30	0001	39903									
73/10/16	15 45	0001	42403	0.001K	0.002	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/10/31	11 35	0001	44903									
73/11/13	11 45	0001	46903									
73/12/05	13 45	0001	49403									
73/12/18	16 00	0001	51403									
74/03/14	08 05	0001	11903									
74/04/10	08 30	0001	15403									
74/05/08	12 45	0001	19403									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153356
44 01 10.0 111 33 55.0
FALLS RIVER NR MOUTH
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1114C050
2

2111204
0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39410 HCHLR WHL SMPLE UG/L	39420 HCHLR-EP WHL SMPLE UG/L	39782 LINDANE WHL SMPLE UG/L	39508 AROCLOX 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORDANE MUD UG/KG	39364 DDE MUD UG/KG	39368 DDE MUD UG/KG
73/05/15	14 30	0001	20403									
73/06/06	14 50	0001	23403									
73/06/14	14 50	0001	25403									
73/07/05	08 00	0001	27403	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.03K	0.20
73/07/17	08 45	0001	29403									
73/08/01	18 45	0001	31403									
73/08/21	10 35	0001	34800									
73/08/22	12 10	0001	34860									
73/08/23	10 40	0001	34906									
73/09/13	13 15		37403									
73/09/26	11 30	0001	39403									
73/10/16	15 45	0001	42403	0.001K	0.001K	0.001K	0.015K	0.03K	0.19	0.20K	0.27	0.43
73/10/31	11 35	0001	44403									
73/11/13	11 45	0001	46403									
73/12/05	13 45	0001	49403									
73/12/18	16 00	0001	51403									
74/03/14	08 05	0001	11403									
74/04/10	08 30	0001	15403									
74/05/08	12 45	0001	19403									

STORET RETRIEVAL DATE 15/05/20
UPPER SNAKE

153356
44 01 10.0 111 33 55.0
FALLS RIVER NR MOUTH
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1114C050

2111204
0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	34373 DDT MUD UG/KG	34383 DIFLORIN MUD UG/KG	34393 ENDRIN MUD UG/KG	34403 TOXPHENE MUD UG/KG	34413 HCHLR MUD UG/KG	34423 HCHLR-EP MUD UG/KG	34783 LINDANE MUD PKY UG/KG	34511 AROCLOX 1260 MUD UG/KG
73/05/15	14 30	0001	20903								
73/06/06	14 50	0001	23903								
73/06/14	14 50	0001	25403								
73/07/05	08 00	0001	27403	0.11	0.03K	0.06K	2.00K	0.03K	0.03K	0.06	0.50K
73/07/17	08 45	0001	29403								
73/08/01	18 45	0001	31403								
73/08/21	10 35	0001	34800								
73/08/22	12 10	0001	34860								
73/08/23	10 7	0001	34906								
73/09/13	13 15		37403								
73/09/26	11 30	0001	39403								
73/10/16	15 45	0001	42403	0.10K	0.42	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/10/31	11 35	0001	44403								
73/11/13	11 45	0001	46403								
73/12/05	13 45	0001	49403								
73/12/18	16 00	0001	51403								
74/03/14	08 05	0001	11403								
74/04/10	08 30	0001	15403								
74/05/08	12 45	0001	19403								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153156
43 56 03.0 111 36 37.0
TETON R N OF NEWDALE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 6111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00004 LAB IDENT. NUMBER	39330 ALDRIN WHL SMPL UG/L	39340 BHC WHL SMPL UG/L	39350 CHLORDANE WHL SMPL UG/L	39360 DDD WHL SMPL UG/L	39365 DDE WHL SMPL UG/L	39370 DDT WHL SMPL UG/L	39380 DIELDRIN WHL SMPL UG/L	39390 ENDRIN WHL SMPL UG/L	39400 TOXPHENE WHL SMPL UG/L
73/05/15	17 00	0001	20904									
73/06/06	17 40	0001	23004									
73/06/19	16 15	0001	25004									
73/07/05	11 35	0001	27904	0.001K	0.001K	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/07/17	07 00	0001	29004									
73/08/01	16 50	0001	31404									
73/08/21	10 20	0001	34807									
73/08/22	09 05	0001	34865									
73/08/23	09 00	0001	34910									
73/09/13	11 35		37004									
73/10/16	12 30	0001	42404	0.001K	0.002	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/10/31	13 10	0001	44404									
73/11/13	13 35	0001	46404									
73/12/05	15 35	0001	49404									
73/12/18	18 15	0001	51404									
74/01/10	14 30	0001	7904									
74/01/22	11 45	0001	6004									
74/02/06	18 30	0001	6004									
74/02/26	15 30	0001	9404									
74/03/13	17 00	0001	11904									
74/04/09	21 00	0001	15404									
74/05/08	10 45	0001	19404									

10
60
21

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153156
43 56 03.0 111 36 37.0
TETON R N OF NEWDALE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 6111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	34410 HCHLR WHL SMP UG/L	34420 HCHLR-FP WHL SMP UG/L	34742 LINDANE WHL SMP UG/L	39508 AROCLOK 1260 UG/L	34333 ALDRIN MUD UG/KG	39343 BHC, MUD UG/KG	39351 CHLORDANE MUD UG/KG	39363 DDE MUD UG/KG	39368 DDE MUD UG/KG
73/05/15	17 00	0001	20904									
73/06/06	17 40	0001	23404									
73/06/14	16 15	0001	25904									
73/07/05	11 35	0001	27904	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.12	0.15
73/07/17	07 00	0001	29904									
73/08/01	16 50	0001	31904									
73/08/21	10 20	0001	34807									
73/08/22	09 05	0001	34865									
73/08/23	09	0001	34910									
73/09/13	11 35		37904									
73/10/16	18 30	0001	42904	0.001K	0.001K	0.001K	0.015K	0.03K	0.45	0.20K	2.20	1.90
73/10/31	13 10	0001	44904									
73/11/13	13 35	0001	46904									
73/12/05	15 35	0001	49904									
73/12/18	18 15	0001	51904									
74/01/10	14 30	0001	7904									
74/01/22	11 45	0001	4904									
74/02/06	18 30	0001	6904									
74/02/26	15 30	0001	9904									
74/03/13	17 00	0001	11904									
74/04/09	21 00	0001	15904									
74/05/08	10 45	0001	19904									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153156
43 56 03.0 111 36 37.0
TETON R N OF NEWDALE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1114C050 6111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39373 DDT MUD UG/KG	39383 DIFLORIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXAPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39783 LINDANE MUD DRY UG/KG	39511 AKNOLNR 1260 MUD UG/KG
73/05/15	17	00	0001								
73/06/06	17	40	0001								
73/06/19	16	15	0001								
73/07/05	11	35	0001								
73/07/17	07	00	0001								
73/08/01	16	50	0001								
73/08/21	10	20	0001								
73/08/22	09	25	0001								
73/08/23	09	00	0001								
73/09/13	11	35									
73/10/16	18	30	0001								
73/10/31	13	10	0001								
73/11/13	13	35	0001								
73/12/05	15	35	0001								
73/12/18	18	15	0001								
74/01/10	14	30	0001								
74/01/22	11	45	0001								
74/02/06	18	30	0001								
74/02/26	15	30	0001								
74/03/13	17	00	0001								
74/04/09	21	00	0001								
74/05/08	10	45	0001								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

15335K
43 55 27.0 111 46 40.0
HENRYS FORK SOUTH OF PARKER
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAH	ALDRIN	KHC	CHLORDANE	DDO	DDF	DDT	DIELDRIN	ENDRIN	TOXAPHENE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
73/05/15	12	00	0001	20405								
73/06/06	12	20	0001	23005								
73/06/19	10	50	0001	25005								
73/07/04	14	15	0001	27405	0.001K	0.002	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K
73/07/17	11	00	0001	29405								
73/08/01	15	50	0001	31405								
73/08/21	11	00	0001	34804								
73/08/22	04	45	0001	34866								
73/08/23	10	00	0001	34012								
73/09/13	10	30		37905								
73/09/26	07	40	0001	39905								
73/10/16	14	00	0001	42905	0.001K	0.003	0.005K	0.001K	0.001K	0.004	0.001K	0.002K
73/10/31	13	55	0001	44905								
73/11/13	14	30	0001	46905								
73/12/06	08	50	0001	49905								
73/12/18	14	35	0001	51905								
74/01/10	10	20	0001	2905								
74/02/06	17	30	0001	6905								
74/02/26	12	30	0001	9905								
74/03/13	16	00	0001	11905								
74/04/09	20	00	0001	15905								
74/05/08	14	45	0001	19905								
74/08/27	15	55	0001	35211								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

15335R
43 55 27.0 111 46 40.0
HENRYS FORK SOUTH OF PARKER
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119050
2 2111204
0000 FEET DEPTH

DATE	TIME	DEPTH	00000	39410	39420	39782	39508	39333	39343	39351	39363	39368
FROM	OF		LAR	HCHLR	HCHLR-EP	LINDANE	AROCLOX	ALDRIN	BHC	CHLORDANE	DDO	DDT
TO	DAY	FEET	IDENT.	WHL SMPL	WHL SMPL	WHL SMPL	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
73/05/15	12	00	0001									
73/06/06	12	20	0001									
73/06/19	10	50	0001									
73/07/04	14	15	0001									
73/07/17	11	00	0001									
73/08/01	15	50	0001									
73/08/21	11	00	0001									
73/08/22	09	45	0001									
73/08/23	10		0001									
73/09/13	10	30										
73/09/26	07	40	0001									
73/10/16	14	00	0001									
73/10/31	13	55	0001									
73/11/13	14	30	0001									
73/12/06	08	50	0001									
73/12/18	14	35	0001									
74/01/10	10	20	0001									
74/02/06	17	30	0001									
74/02/26	12	30	0001									
74/03/13	16	00	0001									
74/04/09	20	00	0001									
74/05/08	14	45	0001									
74/08/27	15	55	0001									

205

STREET RETRIEVAL DATE 75/05/20
UPPER SNAKE

15335H
43 55 27.0 111 46 40.0
HENRYS FORK SOUTH OF PARKER
16 TUAHI
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2 2111204
0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	0000H LAB IDENT. NUMBER	34373 DDT MUD UG/KG	34383 DIELDRIN MUD UG/KG	34393 ENDRIN MUD UG/KG	34403 TOXPHENE MUD UG/KG	34413 HCHLR MUD UG/KG	34423 HCHLR-EP MUD UG/KG	34783 LINDANE MUD DRY UG/KG	34511 ARNDLOR 1260 MUD UG/KG
73/05/15	12 00	0001	20905								
73/06/06	12 20	0001	23905								
73/06/19	10 50	0001	25905								
73/07/04	14 15	0001	27905	0.44	0.03K	0.06K	2.00K	0.03K	0.03K	0.07	0.50K
73/07/17	11 00	0001	29905								
73/08/01	15 50	0001	31905								
73/08/21	11 00	0001	34909								
73/08/22	09 45	0001	36906								
73/08/23	10 00	0001	38912								
73/09/13	10 30		37905								
73/09/26	07 40	0001	39905								
73/10/16	14 00	0001	42905	17.80	0.21	0.06K	2.00K	0.06K	0.06K	0.06K	0.50K
73/10/31	13 55	0001	44905								
73/11/13	14 30	0001	46905								
73/12/06	08 50	0001	49905								
73/12/18	14 35	0001	51905								
74/01/10	10 20	0001	29905								
74/02/06	17 30	0001	69905								
74/02/26	12 30	0001	99905								
74/03/13	16 00	0001	11905								
74/04/09	20 00	0001	15905								
74/05/08	14 45	0001	19905								
74/08/27	15 55	0001	35211								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153354
43 49 42.0 111 56 00.0
HENRYS FORK AT REXBURG
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2 2111204
0000 FEET DEPTH

DATE	TIME	DEPTH	00008	34330	34340	34350	34360	34365	34370	34380	34390	34400
FROM	OF	FEET	LAH	ALOKIN	RHC	CHLRDANE	DDO	DDF	DDT	DIELORIN	ENDIKIN	TOXPHENE
TO	DAY	FEET	IDENT.	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
73/05/15	11	00	0001	20406								
73/06/06	10	20	0001	23406								
73/06/19	09	30	0001	25406								
73/07/05	15	30	0001	27406	0.001K	0.001	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K
73/07/16	20	00	0001	24906								
73/08/01	13	30	0001	31406								
73/08/21	14	45	0001	34414								
73/08/22	12	20	0001	36471								
73/08/23	11	15	0001	36415								
73/09/13	09	40	0001	37906								
73/09/26	06	45	0001	39406								
73/10/16	13	00	0001	42406	0.001K	0.003	0.005K	0.001	0.001	0.003K	0.001K	0.002K
73/10/31	14	45	0001	44406								
73/11/13	15	10	0001	46406								
73/12/06	09	35	0001	48406								
73/12/18	13	45	0001	51406								
74/01/10	09	30	0001	2406								
74/01/22	16	00	0001	4406								
74/02/06	16	30	0001	6406								
74/02/26	11	30	0001	4406								
74/03/13	15	20	0001	11406								
74/04/04	19	30	0001	15406								
74/05/08	15	15	0001	19406								

003

STREET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153354
43 49 42.0 111 56 00.0
HENRYS FORK AT REXBURG
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE

1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39410	39420	39782	39508	39333	39343	39351	39363	39368
FROM	OF	FEET	LAB	HCHLX	HCHLX-EP	LINDANE	ARDCLOX	ALDRIN	BHC	CHLORDANE	DDE	DDE
TO	DAY	FEET	NUMBER	WHL SMPLE	WHL SMPLE	WHL SMPLE	1260	MUD	MUD	MUD	MUD	MUD
				UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
73/05/15	11	00	0001	20906								
73/06/06	10	20	0001	23906								
73/06/14	09	30	0001	25906								
73/07/05	15	30	0001	27906	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.29
73/07/16	20	00	0001	29906								
73/08/01	13	30	0001	31906								
73/08/21	14	45	0001	34814								
73/08/22	12	20	0001	34871								
73/08/23	11	15	0001	34915								
73/09/13	09	40	0001	37906								
73/09/26	06	45	0001	39906								
73/10/16	13	00	0001	42906	0.001K	0.001K	0.001K	0.015K	0.03K	0.32	0.20K	12.40
73/10/31	14	45	0001	44906								
73/11/13	15	10	0001	45906								
73/12/06	09	35	0001	49906								
73/12/18	13	45	0001	51906								
74/01/10	09	30	0001	2906								
74/01/22	16	00	0001	4906								
74/02/06	16	30	0001	6906								
74/02/26	11	30	0001	9906								
74/03/13	15	20	0001	11906								
74/04/09	19	30	0001	15906								
74/05/08	15	15	0001	19906								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153354
43 49 42.0 111 56 00.0
HENRYS FORK AT REXBURG
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
11190.050

2111204
0000 FEET DEPTH

DATE	TIME	DEPTH	000004	39373	39383	39393	39403	39413	39423	39783	39511
FROM	OF	FEET	LAR	DDT	DIFLORIN	ENDRIN	TOXAPHENE	HCHLR	HCHLR-EP	LINDANE	AKNOCLOK
TO	DAY	FEET	IDENT.	MUD	MUD	MUD	MUD	MUD	MUD	MUD DRY	1260 MUD
			NUMBER	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
73/05/15	11	00	0001	20406							
73/06/06	10	20	0001	23406							
73/06/19	09	30	0001	25406							
73/07/05	15	30	0001	27406	0.42	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K
73/07/16	20	00	0001	29406							
73/08/01	13	30	0001	31406							
73/08/21	14	45	0001	34814							
73/08/22	12	20	0001	36871							
73/08/23	11	15	0001	34415							
73/09/13	09	40	0001	37406							
73/09/26	06	45	0001	39406							
73/10/16	13	00	0001	42406	18.00	0.54	0.06K	2.00K	0.03K	0.03K	0.04
73/10/31	14	45	0001	44406							
73/11/13	15	10	0001	46406							
73/12/06	09	35	0001	47406							
73/12/18	13	45	0001	51406							
74/01/10	09	30	0001	2405							
74/01/22	16	00	0001	4406							
74/02/06	16	30	0001	6406							
74/02/26	11	30	0001	9406							
74/03/13	15	20	0001	11406							
74/04/09	19	30	0001	15406							
74/05/08	15	15	0001	19406							

STREET RETRIEVAL DATE 75/05/70
UPPER SNAKE

153360
43 34 00.0 111 41 00.0
SNAKE RIVER NEAR HEISE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050
2

2111204
0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	34330 ALDRIN WHL SMPLE UG/L	34340 BHC WHL SMPLE UG/L	34350 CHLORDANE WHL SMPLE UG/L	34360 DDO WHL SMPLE UG/L	34365 DDE WHL SMPLE UG/L	34370 DDT WHL SMPLE UG/L	34380 DIELDRIN WHL SMPLE UG/L	34390 ENDRIN WHL SMPLE UG/L	34400 TOXAPHENE WHL SMPLE UG/L
73/05/15	18 30	0001	20907									
73/06/06	19 10	0001	23407									
73/06/19	17 45	0001	25407									
73/07/05	18 10	0001	27407	0.001K	0.001K	0.005K	0.001K	0.001K	0.003K	0.001K	0.020K	0.060K
73/07/17	13 00	0001	29407									
73/08/02	10 45	0001	31407									
73/08/21	18 10	0001	34422									
73/08/22	15 40	0001	34478									
73/08/23	14 15	0001	34419									
73/09/13	16 55		37407									
73/10/17	08 00	0001	42407	0.001K	0.005	0.005K	0.001K	0.001	0.003K	0.001K	0.002K	0.060K
73/10/31	15 55	0001	44407	0.001K	0.003	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/11/13	16 45	0001	46407	0.001K	0.007	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/12/06	10 45	0001	49407									
73/12/18	20 00	0001	51407									
74/01/22	10 30	0001	4907									
74/02/06	12 30	0001	6907									
74/02/26	17 20	0001	9407									
74/03/14	12 15	0001	11407									
74/04/10	12 30	0001	15407									
74/05/08	08 30	0001	19407									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153360
43 34 00.0 111 41 00.0
SNAKE RIVER NEAR HEISE
16 JDAHD
PACIFIC NORTHWEST
UPPER SNAKE
1119C050

2111204
0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39410 HCHLR WHL SMPLE UG/L	39420 HCHLR-EP WHL SMPLE UG/L	39742 LINDANE WHL SMPLE UG/L	39508 AROCLOP 1260 UG/L	39333 ALDRIN MUJ UG/KG	39343 BHC MUJ UG/KG	39351 CHLORDANE MUJ UG/KG	39363 DDE MUJ UG/KG	39368 DDE MUJ UG/KG	
73/05/15	18	30	0001	20907									
73/06/06	19	10	0001	23907									
73/06/19	17	45	0001	25907									
73/07/05	18	10	0001	27907	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.42	0.33
73/07/17	13	00	0001	29907									
73/08/02	10	45	0001	31907									
73/08/21	18	10	0001	34822									
73/08/22	15	40	0001	34878									
73/08/23	14	15	0001	34919									
73/09/13	16	55		37907									
73/10/17	08	00	0001	42907	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.03K	0.08
73/10/31	15	55	0001	44907	0.001K	0.001K	0.001K	0.015K					
73/11/13	16	45	0001	46907	0.001K	0.001K	0.001K	0.015K					
73/12/06	10	45	0001	49907									
73/12/18	20	00	0001	51907									
74/01/22	10	30	0001	4907									
74/02/06	12	30	0001	6907									
74/02/26	17	20	0001	9907									
74/03/14	12	15	0001	11907									
74/04/10	12	30	0001	15907									
74/05/08	08	30	0001	14907									

STORET RETRIEVAL DATE /5/05/20
UPPER SNAKE

153360
43 39 00.0 111 41 00.0
SNAKE RIVER NEAR HEISE
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119050
2
2111204
0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39373 DDT MUJ UG/KG	39383 DIELOKIN MUJ UG/KG	39393 ENDRIN MUJ UG/KG	39403 TOXPHENE MUJ UG/KG	39413 HCHLR MUJ UG/KG	39423 HCHLR-EP MUJ UG/KG	39783 LINDANE MUJ DRY UG/KG	39511 AKICLOR 1260 MUJ UG/KG
73/05/15	18 30	0001	20907								
73/06/06	19 10	0001	23407								
73/06/14	17 45	0001	25907								
73/07/05	18 10	0001	27907	0.52	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/07/17	13 00	0001	29907								
73/08/02	10 45	0001	31907								
73/08/21	18 10	0001	34922								
73/08/22	15 40	0001	34978								
73/08/23	14 15	0001	34919								
73/09/13	16 55		37907								
73/10/17	08 00	0001	42907	0.10K	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/10/31	15 55	0001	44907								
73/11/13	16 45	0001	46907								
73/12/06	10 45	0001	49907								
73/12/18	20 00	0001	51907								
74/01/22	10 30	0001	4907								
74/02/06	12 30	0001	6907								
74/02/26	17 20	0001	9907								
74/03/14	12 15	0001	11907								
74/04/10	12 30	0001	15907								
74/05/08	08 30	0001	19907								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153299
43 43 21.0 112 05 03.0
SNAKE RIVER 2 MI E OF ROBERTS
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 22111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00008 LAH IDENT. NUMBER	39330 ALORIN WHL SMPLE UG/L	39340 RHC WHL SMPLE UG/L	39350 CHLRDANE WHL SMPLE UG/L	39360 DDD WHL SMPLE UG/L	39365 DDE WHL SMPLE UG/L	39370 DUT WHL SMPLE UG/L	39380 DIELORIN WHL SMPLE UG/L	39390 ENDORIN WHL SMPLE UG/L	39400 TOXPHENE WHL SMPLE UG/L
72/08/27	09 15		6343									
	12 00		6342									
	13 30		6302									
72/08/29	09 15		36447									
	12 00		6342									
72/08/30	09 30		6344									
	12 00		6361									
	14 10		6361									
72/08/31	09 30		6371									
73/05/15	09 00	0001	20408									
73/06/06	09 20	0001	23408									
73/06/19	08 05	0001	25408									
73/07/05	16 35	0001	27408	0.001K	0.003	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/07/16	19 00	0001	29408									
73/08/01	13 00	0001	31408									
73/08/21	16 30	0001	34818									
73/08/22	14 25	0001	36877									
73/08/23	13 10	0001	34918									
73/09/13	08 30		37408									
73/10/16	11 00	0001	42408	0.001K	0.003	0.005K	0.001K	0.002	0.003K	0.001K	0.002K	0.060K
73/10/31	17 20	0001	44908									
73/11/13	17 40	0001	46908									
73/12/06	11 45	0001	49903									
73/12/18	12 45	0001	51408									
74/01/22	16 50	0001	4908									
74/02/06	15 15	0001	6408									
74/02/26	10 00	0001	4908									
74/03/13	13 30	0001	11408									
74/04/09	18 30	0001	15408									
74/05/08	17 30	0001	19408									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153299
43 43 21.0 112 05 03.0
SNAKE RIVER 2 MI E OF ROBERTS
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 22111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39410	39420	39782	39508	39333	39343	39351	39362	39368
FROM	OF		LAB	HCHLR	HCHLR-EP	LINDANE	AROCLOX	ALDRIN	BHC	CHLORIDANE	DDO	DOE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
72/08/27	09 15		6343									
	12 00		6342									
	13 30		6302									
72/08/29	09 15		36947									
	12 00		6342									
72/08/30	09 30		6344									
	12 00		6361									
	14 10		6361									
72/08/31	09 30		6371									
73/05/15	09 00	0001	20408									
73/06/06	09 20	0001	23408									
73/06/19	08 05	0001	25408									
73/07/05	16 35	0001	27408	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.18	0.15
73/07/16	19 00	0001	29408									
73/08/01	13 00	0001	31408									
73/08/21	16 30	0001	34418									
73/08/22	14 25	0001	34877									
73/08/23	13 10	0001	34918									
73/09/13	08 30		37408									
73/10/16	11 00	0001	42408	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	2.70	1.80
73/10/31	17 20	0001	44408									
73/11/13	17 40	0001	46408									
73/12/06	11 45	0001	49408									
73/12/18	12 45	0001	51408									
74/01/22	16 50	0001	4908									
74/02/06	15 15	0001	6408									
74/02/26	10 00	0001	9408									
74/03/13	13 30	0001	11408									
74/04/09	18 30	0001	15408									
74/05/08	17 30	0001	19408									

STORRET RETRIEVAL DATE 15/05/20
UPPER SNAKE

153299
43 43 21.0 112 05 03.0
SNAKE RIVER 2 MI E OF ROBERTS
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 22111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39373	39383	39393	39403	39413	39423	39783	39511
FROM	OF		LAR	DDT	DIFLORIN	ENDRIN	TOXPHENE	HCHLR	HCHLR-EP	LINDANE	AROCLOX
TO	DAY	FEET	IDENT.	MUD	MUD	MUD	MUD	MUD	MUD	MUD DRY	1260 MUD
			NUMBER	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
72/08/27	09	15	6343								
	12	00	6342								
	13	30	6302								
72/08/29	09	15	36447								
	12	00	6342								
72/08/30	09	30	6344								
	12	00	6361								
	14	10	6361								
72/08/31	09	30	6371								
73/05/15	09	00	00001	20408							
73/06/06	09	20	00001	23408							
73/06/19	08	05	00001	25408							
73/07/05	16	35	00001	27408	0.23	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K
73/07/16	14	00	00001	29408							
73/08/01	13	00	00001	31408							
73/08/21	16	30	00001	34818							
73/08/22	14	25	00001	34877							
73/08/23	13	10	00001	34818							
73/09/13	08	30	37408								
73/10/16	11	00	00001	42408	4.80	0.10	0.06K	2.00K	0.03K	0.03K	0.03K
73/10/31	17	20	00001	44408							
73/11/13	17	40	00001	46408							
73/12/06	11	45	00001	49408							
73/12/18	12	45	00001	51408							
74/01/22	16	50	00001	4908							
74/02/06	15	15	00001	6408							
74/02/26	10	00	00001	9408							
74/03/13	13	30	00001	11408							
74/04/09	18	30	00001	15408							
74/05/08	17	30	00001	19408							

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150047
43 07 30.0 112 30 45.0
SNAKE R AT TILDEN BR
16 JDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 6111204
2 0001 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39330 ALDRIN WHL SMP/L UG/L	39340 BHC WHL SMP/L UG/L	39350 CHLORDANE WHL SMP/L UG/L	39360 DDO WHL SMP/L UG/L	39365 DDE WHL SMP/L UG/L	39370 DDT WHL SMP/L UG/L	39380 DIELDRIN WHL SMP/L UG/L	39390 ENDRIN WHL SMP/L UG/L	39400 TOXPHENE WHL SMP/L UG/L
72/04/24	14	15	5475									
72/04/29	13	20	5717									
72/04/30	14	20	5757									
72/04/31	12	00	5747									
72/09/24	11	00	50	0.001K	0.067	0.005K	0.001K	0.002	0.002K	0.001	0.002K	0.060K
72/11/02	10	55	5103	0.001K	0.004	0.005K	0.001K	0.001	0.002K	0.004	0.002K	0.060K
72/12/27	10	00	3504	0.001K	0.004	0.005K	0.001K	0.001	0.002K	0.001K	0.002K	0.060K
73/05/14	16	30 0001	20409									
73/06/07	10	15 0001	23009									
73/06/18	19	00 0001	25409									
73/07/04	09	30 0001	27409	0.001K	0.001K	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/07/16	16	20 0001	29409									
73/08/01	10	30 0001	31409									
73/08/22	09	00 0001	34502									
73/08/26	18	00 0001	35503									
73/08/27	09	20 0001	35506									
73/09/13	07	00	37409									
73/10/17	10	30 0001	42409	0.001K	0.004	0.005K	0.001K	0.002	0.003K	0.001K	0.002K	0.060K
73/11/01	09	30 0001	44409	0.001K	0.003	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/11/12	16	50 0001	46409	0.001K	0.007	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/12/05	10	00 0001	49409									
73/12/18	10	00 0001	51409									
74/01/04	13	30 0001	2409									
74/01/22	07	25 0001	4409									
74/02/02	12	45 0001	6409									
74/02/25	17	15 0001	4409									
74/03/13	10	00 0001	11409									
74/04/09	15	30 0001	15409									
74/05/08	19	45 0001	14409									
74/10/24	12	50 0003	94078									
	12	55 0007	94079									
	16	50 0003	94049									
	16	55 0007	94040									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150047
43 07 30.0 112 30 45.0
SNAKE R AT TILDEN BR
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 6111204
2 0001 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39410 HCHLR WHL SMPL UG/L	39420 HCHLR-EP WHL SMPL UG/L	39782 LINDANE WHL SMPL UG/L	39508 AROCLOP 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORDANE MUD UG/KG	39363 DDD MUD UG/KG	39368 DDE MUD UG/KG
72/08/24	14	15	5875									
72/08/29	13	20	6717									
72/08/30	14	20	6757									
72/08/31	12	00	6797									
72/09/28	11	00	50	0.001K	0.001K	0.001K						
72/11/02	10	55	5103	0.001K	0.001K	0.001K						
72/12/27	10	00	3504	0.001K	0.001K	0.001K						
73/05/14	16	30	0001	20909								
73/06/07	10	15	0001	23909								
73/06/18	19	00	0001	25909								
73/07/04	09	30	0001	27909	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	1.16
73/07/16	16	20	0001	29909								
73/08/01	10	30	0001	31909								
73/08/22	09	00	0001	34502								
73/08/26	18	00	0001	35503								
73/08/27	09	20	0001	35506								
73/09/13	07	00		37909								
73/10/17	10	30	0001	42909	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.51
73/11/01	09	30	0001	44909	0.001K	0.001K	0.001K	0.015K				
73/11/12	16	50	0001	46909	0.001K	0.001K	0.001K	0.015K				
73/12/05	10	00	0001	49909								
73/12/18	10	00	0001	51909								
74/01/09	13	30	0001	2909								
74/01/22	07	25	0001	4909								
74/02/06	12	45	0001	6909								
74/02/25	17	15	0001	9909								
74/03/13	10	00	0001	11909								
74/04/09	15	30	0001	15909								
74/05/08	19	45	0001	19909								
74/10/24	12	50	0003	99078								
	12	55	0007	99079								
	16	50	0003	99089								
	16	55	0007	99090								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150047
43 07 30.0 112 30 45.0
SNAKE R AT TILDEN BR
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 6111204
2 0001 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000004 LAB IDENT. NUMBER	39373 NOT MUD UG/KG	39383 DIFLORIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXOPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39783 LINDANE MUD DRY UG/KG	39511 AROCLOX 1260 MUD UG/KG
72/08/24	14	15	5875								
72/08/24	13	20	6717								
72/08/30	14	20	6757								
72/08/31	12	00	6797								
72/04/28	11	00	50								
72/11/02	10	55	5103								
72/12/27	10	00	3504								
73/05/14	16	30 0001	20409								
73/06/07	10	1 0001	23404								
73/06/18	14	00 0001	25909								
73/07/04	09	30 0001	27409	1.03	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/07/16	16	20 0001	29909								
73/08/01	10	30 0001	31409								
73/08/22	09	00 0001	34502								
73/08/26	18	00 0001	35503								
73/08/27	09	20 0001	35506								
73/09/13	07	00	37409								
73/10/17	10	30 0001	42909	0.41	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/11/01	09	30 0001	44409								
73/11/12	16	50 0001	46409								
73/12/05	10	00 0001	49409								
73/12/18	10	00 0001	51409								
74/01/09	13	30 0001	2409								
74/01/22	07	25 0001	4409								
74/02/06	12	45 0001	6409								
74/02/25	17	15 0001	4409								
74/03/13	10	00 0001	11409								
74/04/09	15	30 0001	15409								
74/05/08	19	45 0001	14409								
74/10/24	12	50 0003	44078								
	12	55 0007	44079								
	16	50 0003	44084								
	16	55 0007	44040								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153241
43 02 04.0 112 37 20.0
MC TUCKER SPRING
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAB	ALDRIN	DDE	CHLORDANE	DDE	DDE	DDE	DDE	DDE	DDE
TO	DAY	FEET	IDENT.	WHL SMP/L	WHL SMP/L	WHL SMP/L	WHL SMP/L	WHL SMP/L	WHL SMP/L	WHL SMP/L	WHL SMP/L	WHL SMP/L
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
72/08/27	15	30		6317								
72/08/29	15	55		6722								
73/06/07	09	40	0001	23410								
73/06/18	20	10	0001	25410								
73/07/04	09	15	0001	27410								
73/07/16	17	30	0001	29410								
73/08/01	11	30	0001	31410								
73/09/12	21	30		37410								
73/10/17	11	3	0001	42410								
73/11/01	10	30	0001	44410								
73/11/12	17	30	0001	45410								
73/12/18	10	30	0001	51410								
74/01/09	15	10	0001	2910								
74/01/22	08	15	0001	4910								
74/02/06	13	30	0001	5410								
74/02/25	16	45	0001	9910								
74/03/13	11	00	0001	11410								
74/04/09	16	00	0001	15410								
74/05/08	20	30	0001	14910								

START RETRIEVAL DATE 75/05/20
UPPER SNAKE

153281
43 02 04.0 112 37 20.0
MC TUCKER SPRING
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	0000H LAB IDENT. NUMBER	39410 HCHLR WHL SMPL UG/L	39420 HCHLR-EP WHL SMPL UG/L	39782 LINDANE WHL SMPL UG/L	39508 AROCLOP 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORANE MUD UG/KG	39363 DDE MUD UG/KG	39368 DDE MUD UG/KG
72/08/27	15	30		6317								
72/08/29	15	55		6722								
73/06/07	09	40	0001	23410								
73/06/18	20	10	0001	25410								
73/07/04	09	15	0001	27410								
73/07/16	17	30	0001	29410								
73/08/01	11	30	0001	31410								
73/09/12	21	30		37410								
73/10/17	11	30	0001	42410								
73/11/01	10	30	0001	44410								
73/11/12	17	30	0001	46410								
73/12/18	10	30	0001	51410								
74/01/09	15	10	0001	2410								
74/01/22	08	15	0001	4410								
74/02/06	13	30	0001	6410								
74/02/25	16	45	0001	9410								
74/03/13	11	00	0001	11410								
74/04/09	16	00	0001	15410								
74/05/08	20	30	0001	19410								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153241
43 02 04.0 112 37 20.0
MC TUCKER SPRING
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00004 LAR IDENT. NUMBER	39373 DDT MUD UG/KG	39343 DIELDRIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39743 LINDANE MUD DRY UG/KG	39511 ARNDLOR 1260 MUD UG/KG
72/08/27	15	30	6317								
72/08/29	15	55	6722								
73/06/07	09	40	0001	23410							
73/06/18	20	10	0001	25410							
73/07/04	09	15	0001	27410							
73/07/16	17	30	0001	29410							
73/08/01	11	30	0001	31410							
73/09/12	21	30		37410							
73/10/17	11	30	0001	42410							
73/11/01	10	30	0001	44410							
73/11/12	17	30	0001	46410							
73/12/18	10	30	0001	51410							
74/01/09	15	10	0001	2410							
74/01/22	04	15	0001	4410							
74/02/06	13	30	0001	6410							
74/02/25	16	45	0001	9410							
74/03/13	11	00	0001	11410							
74/04/09	16	00	0001	15410							
74/05/08	20	30	0001	19410							

STORRET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153292
42 00 00.0 112 00 00.0
SPRING CREEK AT BRONCO ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 22111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	00008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAB	ALDRIN	BHC	CHLORDANE	DDO	DDE	DDT	DIELDRIN	ENDRIN	TOXPHENE
TO	DAY	FEET	IDENT.	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
72/08/27	12	15	6316									
72/08/29	12	15	6316									
72/08/30	13	15	6322									
72/08/31	11	20	6328									
73/06/07	08	40	0001	23911								
73/06/18	17	35	0001	25911								
73/07/04	08	30	0001	27911								
73/07/16	15	15	0001	29911								
73/08/01	04	05	0001	31911								
73/08/12	19	40		37911								
73/10/17	12	30	0001	42911								
73/11/01	11	30	0001	44911								
73/11/12	15	30	0001	46911								
73/12/05	08	45	0001	49911								
73/12/18	08	30	0001	51911								
74/01/08	12	15	0001	2911								
74/01/21	17	45	0001	4911								
74/02/06	11	45	0001	6911								
74/02/25	19	00	0001	9911								
74/03/13	09	00	0001	11911								
74/04/09	14	45	0001	15911								
74/05/09	08	00	0001	19911								
74/06/19	14	40		25629								
74/07/02	13	10	0001	27626								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153292
42 00 00.0 112 00 00.0
SPRING CREEK AT BRONCO ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 22111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	0000R	39410	39420	39782	3950R	39333	39343	39351	39363	3936R
FROM	OF		LAB	HCHLR	HCHLR-EP	LINDANE	AROCLOP	ALDRIN	BHC	CHLORDANE	DDD	DDE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
72/08/27	12	15		6316								
72/08/29	12	15		6316								
72/08/30	13	15		6322								
72/08/31	11	20		6328								
73/06/07	08	40	0001	23411								
73/06/18	17	35	0001	25411								
73/07/04	08	30	0001	27411								
73/07/16	15	15	0001	24411								
73/08/01	04	05	0001	31411								
73/09/12	19	40		37411								
73/10/17	12	30	0001	42411								
73/11/01	11	30	0001	44411								
73/11/12	15	30	0001	46411								
73/12/05	08	45	0001	49411								
73/12/18	08	30	0001	51411								
74/01/08	12	15	0001	2411								
74/01/21	17	45	0001	4911								
74/02/06	11	45	0001	6411								
74/02/25	19	00	0001	9411								
74/03/13	09	00	0001	11411								
74/04/09	14	45	0001	15411								
74/05/09	08	00	0001	14411								
74/06/19	14	40		25429								
74/07/02	13	10	0001	27426								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153292
42 00 00.0 112 00 00.0
SPRING CREEK AT BRUNCO ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 22111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39373 DDT MUD UG/KG	39383 DIFLORIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39783 LINDANE MUD DRY UG/KG	39511 AROCLOH 1260 MUD UG/KG
72/04/27	12	15		6316							
72/04/29	12	15		6316							
72/04/30	13	15		6322							
72/08/31	11	20		6328							
73/06/07	08	40	0001	23911							
73/06/18	17	35	0001	25911							
73/07/04	08	30	0001	27911							
73/07/16	15	15	0001	29911							
73/08/01	09	05	0001	31911							
73/09/12	14	40		37911							
73/10/17	12	30	0001	42911							
73/11/01	11	30	0001	44911							
73/11/12	15	30	0001	46911							
73/12/05	08	45	0001	49911							
73/12/18	08	30	0001	51911							
74/01/08	12	15	0001	2911							
74/01/21	17	45	0001	4911							
74/02/06	11	45	0001	6911							
74/02/25	19	00	0001	9911							
74/03/13	09	00	0001	11911							
74/04/09	14	45	0001	15911							
74/05/09	08	00	0001	19911							
74/06/19	14	40		25629							
74/07/02	13	10	0001	27626							

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153287
42 54 46.0 112 31 18.0
SPRNG @ ROWLANDS DAIRY-PUCATELLI
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	00008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAH	ALDRIN	BHC	CHLORDANE	DDD	DDF	DDT	DIFLUXIN	ENDRIN	TOXPHENE
TO	DAY	FEET	IDENT.	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP	WHL SMP
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
72/08/28	12	15	6331									
72/08/29	12	35	6728									
72/08/30	09	45	6346									
72/08/31	09	45	6808									
73/06/07	11	50	0001	23912								
73/06/18	15	30	0001	25412								
73/07/04	07	45	0001	27412								
73/07/16	13	00	0001	29412								
73/08/01	05	5	0001	31412								
73/09/12	18	00		37412								
73/10/17	13	00	0001	42412								
73/11/01	13	50	0001	44412								
73/11/12	14	45	0001	46412								
73/12/04	18	50	0001	49412								
73/12/17	16	00	0001	51412								
74/01/08	11	00	0001	2412								
74/01/21	16	30	0001	4912								
74/02/06	10	15	0001	6412								
74/02/25	15	30	0001	9912								
74/03/12	18	30	0001	11412								
74/04/09	13	30	0001	15912								
74/05/07	21	45	0001	19912								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153247
42 54 46.0 112 31 18.0
SPRING @ RIVLANDS DAIRY-POCAHONTAS
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00008 LAB IDENT. NUMBER	39410 HCHLR WHL SMPLE UG/L	39420 HCHLR-EP WHL SMPLE UG/L	39782 LINDANE WHL SMPLE UG/L	39508 AROCLOX 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORDANE MUD UG/KG	39363 DDE MUD UG/KG	39368 DDE MUD UG/KG
72/08/28	12	15		6331								
72/08/29	12	35		6724								
72/08/30	09	45		6346								
72/08/31	09	45		6804								
73/06/07	11	50	0001	23012								
73/06/18	15	30	0001	25012								
73/07/04	07	45	0001	27012								
73/07/16	13	00	0001	29012								
73/08/01	05	50	0001	31012								
73/09/12	18	00		37012								
73/10/17	13	00	0001	42012								
73/11/01	13	50	0001	44012								
73/11/12	14	45	0001	46012								
73/12/04	18	50	0001	49012								
73/12/17	15	00	0001	51012								
74/01/08	11	00	0001	2912								
74/01/21	15	30	0001	4912								
74/02/06	10	15	0001	6912								
74/02/25	15	30	0001	9912								
74/03/12	18	30	0001	11912								
74/04/04	13	30	0001	15912								
74/05/07	21	45	0001	19912								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153287
42 54 46.0 112 31 18.0
SPRING @ ROWLANDS DAIRY-POCATELLO
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39373	39383	39393	39403	39413	39423	39783	39511
FROM	OF		LAB	DNT	DIELDRIN	ENDRIN	TOXPHENE	HCHLR	HCHLR-EP	LINDANE	ARNDLOR
TO	DAY	FEET	IDENT.	MUD	MUD	MUD	MUD	MUD	MUD	MUD DRY	1260 MUD
			NUMBER	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
72/08/28	12	15	6331								
72/08/29	12	35	6728								
72/08/30	09	45	6346								
72/08/31	09	45	6808								
73/06/07	11	50 0001	23412								
73/06/18	15	30 0001	25412								
73/07/04	07	45 0001	27412								
73/07/16	13	00 0001	24412								
73/08/01	05	50 0001	31412								
73/09/12	18	00	27412								
73/10/17	13	00 0001	42412								
73/11/01	13	50 0001	44412								
73/11/12	14	45 0001	46412								
73/12/04	18	50 0001	44412								
73/12/17	16	00 0001	51412								
74/01/08	11	00 0001	2412								
74/01/21	16	30 0001	4412								
74/02/06	10	15 0001	6412								
74/02/25	15	30 0001	4412								
74/03/12	18	30 0001	11412								
74/04/09	13	30 0001	15412								
74/05/07	21	45 0001	14412								

STREET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150048
40 07 40.0 112 30 30.0
BLACKFOOT R AT MOUTH
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0001 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000004 LAB IDENT. NUMBER	39330 ALDRIN WHL SMPLE UG/L	39340 BHC WHL SMPLE UG/L	39350 CHLORDANE WHL SMPLE UG/L	39360 DDT WHL SMPLE UG/L	39365 DDE WHL SMPLE UG/L	39370 DDT WHL SMPLE UG/L	39380 DIELDRIN WHL SMPLE UG/L	39390 ENDRIN WHL SMPLE UG/L	39400 TOXPHENE WHL SMPLE UG/L
72/04/29	12	50	6716									
72/04/30	14	00	6756									
72/04/31	11	40	6796									
73/05/14	17	00	0001 20910									
73/06/07	10	55	0001 23913									
73/06/18	18	00	0001 25913									
73/07/04	10	30	0001 27913									
73/07/16	15	45	0001 29913									
73/08/01	10	00	0001 31913									
73/09/12	20	20	37913									
73/10/17	10	00	0001 42913	0.001K	0.004	0.005K	0.001	0.001	0.003K	0.001	0.002K	0.060K
73/11/01	11	00	0001 44913									
73/11/12	16	00	0001 46913									
73/12/05	09	15	0001 49913									
73/12/18	09	15	0001 51913									
74/01/08	13	00	0001 7913									
74/01/21	18	20	0001 4913									
74/02/06	12	00	0001 6913									
74/02/25	18	00	0001 9913									
74/03/13	09	15	0001 11913									
74/04/09	15	00	0001 15913									
74/05/09	07	00	0001 19913									
74/06/19	14	10	25626	0.001K	0.120	0.005K	0.001K	0.001K	0.003K	0.001K	0.003K	0.060K
74/07/02	12	35	0001 27625									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150048
40 07 40.0 112 30 30.0
BLACKFOOT R AT MOUTH
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0001 FEET DEPTH

DATE	TIME	DEPTH	0000R	34410	34420	34782	34508	34333	34343	34351	34363	34368
FROM	OF		LAR	HCHLR	HCHLR-EP	LINDANE	AROCLOP	ALDRIN	BHC	CHLORDANE	DDD	DDE
TO	DAY	FEET	IDENT.	WHL SMPL	WHL SMPL	WHL SMPL	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
72/08/29	12	50	5716									
72/08/30	14	00	5756									
72/08/31	11	40	5796									
73/05/14	17	00	20410									
73/05/07	10	55	23413									
73/06/18	18	00	25413									
73/07/04	10	30	27413									
73/07/16	15	45	24413									
73/08/01	10	00	31413									
73/09/12	20	20	37413									
73/10/17	10	00	42413	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.94	1.30
73/11/01	11	00	44413									
73/11/12	16	00	46413									
73/12/05	09	15	49413									
73/12/18	09	15	51413									
74/01/08	13	00	2413									
74/01/21	18	20	4413									
74/02/06	12	00	6413									
74/02/25	18	00	4413									
74/03/13	09	15	11413									
74/04/09	15	00	15413									
74/05/09	07	00	14413									
74/06/19	14	10	25626	0.001K	0.001K	0.001K	0.015K					
74/07/02	12	35	27625									

START RETRIEVAL DATE 75/05/20
UPPER SNAKE

150048
40 07 40.0 112 30 30.0
BLACKFOOT & AT MOUTH
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0001 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00008 LAB IDENT. NUMBER	34373 DDT MUD UG/KG	34383 DIELDRIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39783 LINDANE MUD DRY UG/KG	39511 AKUCLOK 1260 MUD UG/KG
72/08/29	12	50	6716								
72/08/30	14	00	6756								
72/08/31	11	40	6796								
73/05/14	17	00	0001	20910							
73/06/07	10	55	0001	23913							
73/06/18	18	00	0001	25913							
73/07/04	10	30	0001	27913							
73/07/16	15	45	0001	29913							
73/08/01	10	00	0001	31913							
73/09/12	20	20		37913							
73/10/17	10	00	0001	42913	0.31	0.16	0.06K	2.00K	0.03K	0.03K	0.50K
73/11/01	11	00	0001	44913							
73/11/12	16	00	0001	46913							
73/12/05	09	15	0001	49913							
73/12/18	09	15	0001	51913							
74/01/08	13	00	0001	2913							
74/01/21	18	20	0001	4013							
74/02/06	12	00	0001	6913							
74/02/25	18	00	0001	9913							
74/03/13	09	15	0001	11913							
74/04/09	15	00	0001	15913							
74/05/09	07	00	0001	19913							
74/06/19	14	10		25626							
74/07/02	12	35	0001	27625							

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150038 13075909
42 56 10.0 112 32 30.0
PORTNEUF R AT SIPHON RD BR
16 TIDAL
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111204
2 0001 FEET DEPTH

DATE	TIME	DEPTH	000008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAR	ALDRIN	HHC	CHLORDANE	DDE	DDE	DDE	DDELDIN	ENDRIN	TOXPHENE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
72/08/27	13	00	5202									
72/08/28	13	00	5332									
72/08/29	09	45	5124									
72/08/30	08	45	5347									
72/08/31	09	00	5409									
72/09/26	14	15	53	0.005K	0.005K	0.025K	0.005K	0.022	0.010K	0.028	0.010K	0.300K
72/10/31	12	50	5101	0.002K	0.012	0.010K	0.002K	0.002	0.004K	0.002	0.004K	0.120K
72/12/27	18	20	3502	0.001K	0.003	0.005K	0.001K	0.005	0.009	0.001K	0.002K	0.060K
73/05/14	13	30	0001	20414								
73/06/07	12	05	0001	23414								
73/06/18	16	10	0001	25414								
73/07/04	07	00	0001	27414	0.001K	0.001K	0.005K	0.001K	0.001K	0.003K	0.001K	0.060K
73/07/16	12	15	0001	24414								
73/08/01	06	20	0001	31414								
73/08/22	10	30	0001	34503								
73/08/26	17	45	0001	35502								
73/08/27	10	00	0001	35505								
73/09/12	18	30		37414								
73/09/25	20	00	0001	34414	0.001K	0.002	0.001K	0.001K	0.003	0.003	0.001K	0.060K
73/10/17	13	30	0001	42414	0.001K	0.003	0.005K	0.001	0.002	0.003K	0.002	0.060K
73/11/01	13	20	0001	44414	0.001K	0.001	0.005K	0.001K	0.001K	0.003K	0.001K	0.060K
73/11/12	14	15	0001	46414	0.001K	0.003	0.005K	0.003	0.002	0.039	0.001K	0.060K
73/12/04	18	10	0001	44414								
73/12/17	16	30	0001	51414								
74/01/08	10	00	0001	2914								
74/01/21	17	00	0001	4414								
74/02/06	11	00	0001	6414								
74/02/25	15	00	0001	4414								
74/03/12	19	00	0001	11414								
74/04/09	14	00	0001	15414								
74/05/07	21	15	0001	14414								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

15003H 13075909
42 56 10.0 112 32 30.0
PORTNEUF R AT SIPHON RD BR
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0001 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	0000H LAB IDENT. NUMBER	39410 HCHLR WHL SMPL UG/L	39420 HCHLR-EP WHL SMPL UG/L	39782 LINDANE WHL SMPL UG/L	39508 AROCLOX 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORDANE MUD UG/KG	39363 DDE MUD UG/KG	3936H DDE MUD UG/KG
72/08/27	13	00	6202									
72/08/28	13	00	6332									
72/08/29	09	45	6729									
72/08/30	08	45	6347									
72/08/31	09	00	6809									
72/09/26	14	15	53	0.005K	0.005K	0.021K						
72/10/31	12	50	5101	0.002K	0.002K	0.002K						
72/12/27	18	20	3502	0.001K	0.001K	0.001K						
73/05/14	13	30	20411									
73/06/07	12	05	23914									
73/06/18	16	10	25414									
73/07/04	07	00	27914	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	1.12	0.81
73/07/16	12	15	29914									
73/08/01	06	20	31914									
73/08/22	10	30	34503									
73/08/26	17	45	35502									
73/08/27	10	00	35505									
73/09/12	18	30	37914									
73/09/25	20	00	39914	0.001K	0.001K	0.001K	0.015K					
73/10/17	13	30	42914	0.001K	0.001K	0.002	0.015K	0.03K	0.39	0.20K	3.10	1.30
73/11/01	13	20	44914	0.001K	0.001K	0.002	0.015K					
73/11/12	14	15	46914	0.001K	0.001K	0.001K	0.015K					
73/12/04	18	10	49914									
73/12/17	16	30	51914									
74/01/08	10	00	2914									
74/01/21	17	00	4914									
74/02/06	11	00	6914									
74/02/25	15	00	9914									
74/03/12	19	00	11914									
74/04/09	14	00	15914									
74/05/07	21	15	19914									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

15003H 13075404
42 56 10.0 112 32 30.0
PORTNEUF R AT SIPHON RD BR
16 IDAMN
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0001 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00008 LAB IDENT. NUMBER	39373 DDT MUD UG/KG	39383 DIELDRIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39783 LINDANE MUD DRY UG/KG	39511 ARNDLOR 1260 MUD UG/KG
72/08/27	13	00	6202								
72/08/28	13	00	6332								
72/08/29	09	45	6729								
72/08/30	08	45	6347								
72/08/31	09	00	6809								
72/09/26	14	15	53								
72/10/31	12	50	5101								
72/12/27	18	20	3502								
73/05/14	13	30	0001	20914							
73/06/07	12	05	0001	23914							
73/06/18	16	10	0001	25914							
73/07/04	07	00	0001	27914	0.67	0.03K	0.06K	2.00K	0.03K	0.03K	0.50K
73/07/16	12	15	0001	29914							
73/08/01	06	20	0001	31914							
73/08/22	10	30	0001	34503							
73/08/26	17	45	0001	35502							
73/08/27	10	00	0001	35505							
73/09/12	18	30		37914							
73/09/25	20	00	0001	39914							
73/10/17	13	30	0001	42914	11.80	0.25	0.06K	2.00K	0.03K	0.03K	0.50K
73/11/01	13	20	0001	44914							
73/11/12	14	15	0001	46914							
73/12/04	18	10	0001	49914							
73/12/17	16	30	0001	51914							
74/01/08	10	00	0001	2914							
74/01/21	17	00	0001	4914							
74/02/06	11	00	0001	6914							
74/02/25	15	00	0001	4914							
74/03/12	19	00	0001	11914							
74/04/09	14	00	0001	15914							
74/05/07	21	15	0001	19914							

2020

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BFLOW AMERICAN FALLS DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAH	ALDRIN	BHC	CHLORDANE	DDE	DDE	DDE	DIELDRIN	ENDRIN	TUXPHENE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
73/05/14	14	35	0001									
73/06/05	20	00	0001									
73/06/20	07	45	0001									
73/07/03	18	30	0001		0.001K	0.002	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K
73/07/17	16	45	0001									0.060K
73/07/31	20	30	0001									
73/08/22	07	30	0001									
73/08/26	17	15	0001									
73/08/27	08	20	0001									
73/09/12	14	40	0001									
73/09/25	18	00	0001									
73/10/17	16	00	0001		0.001K	0.003	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K
73/10/30	17	40	0001									0.060K
73/11/14	09	30	0001									
73/12/04	17	00	0001									
73/12/17	14	00	0001									
74/01/23	08	40	0001									
74/02/05	16	45	0001									
74/02/27	10	00	0001									
74/03/12	16	50	0001									
74/04/10	15	30	0001									
74/05/07	19	45	0001									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BELOW AMERICAN FALLS DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE

1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	0000R	39410	39420	39782	39508	39333	39343	39351	39363	39368
FROM	OF	FEET	LAB	HCHLR	HCHLR-EP	LINDANE	AROCLOD	ALDRIN	BHC	CHLORDANE	DOD	DDE
TO	DAY	FEET	IDENT.	WHL SMPL	WHL SMPL	WHL SMPL	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
73/05/14	14	35	0001	20912								
73/06/05	20	00	0001	23915								
73/06/20	07	45	0001	25915								
73/07/03	18	30	0001	27915	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.17
73/07/17	16	45	0001	29915								
73/07/31	20	30	0001	31915								
73/08/22	07	30	0001	34501								
73/08/26	17	15	0001	35501								
73/08/27	08	20	0001	35504								
73/09/12	14	40	0001	37915								
73/09/25	18	00	0001	39915								
73/10/17	16	00	0001	42915	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.03K
73/10/30	17	40	0001	44915								
73/11/14	09	30	0001	46915								
73/12/04	17	00	0001	49915								
73/12/17	14	00	0001	51915								
74/01/23	08	40	0001	4915								
74/02/05	16	45	0001	6915								
74/02/27	10	00	0001	9915								
74/03/12	16	50	0001	11915								
74/04/10	15	30	0001	15915								
74/05/07	19	45	0001	19915								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153357
42 46 06.0 112 52 42.0
SNAKE R BELOW AMERICAN FALLS DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE
1119050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39373 DDT MUD UG/KG	39383 DIELDKIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39783 LINDANE MUD DRY UG/KG	39511 AROCLEUR 1260 MUD UG/KG
73/05/14	14 35	0001	20912								
73/06/05	20 00	0001	23915								
73/06/20	07 45	0001	25915								
73/07/03	18 30	0001	27915	0.22	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/07/17	16 45	0001	29915								
73/07/31	20 30	0001	31915								
73/08/22	07 30	0001	34501								
73/08/26	17 15	0001	35501								
73/08/27	08 20	0001	35504								
73/09/12	14 40	0001	37915								
73/09/25	18 00	0001	39915								
73/10/17	16 00	0001	42915	0.10K	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/10/30	17 40	0001	44915								
73/11/14	09 30	0001	46915								
73/12/04	17 00	0001	49915								
73/12/17	14 00	0001	51915								
74/01/23	08 40	0001	4915								
74/02/05	16 45	0001	6915								
74/02/27	10 00	0001	9915								
74/03/12	16 50	0001	11915								
74/04/10	15 30	0001	15915								
74/05/07	19 45	0001	19915								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150032
42 40 05.0 113 29 05.0
SNAKE R HLW MINIDOKA DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
5 0000 FEET DEPTH

DATE	TIME	DEPTH	000008 LAR FROM TO	34330 ALDRIN WHL SMP UG/L	34340 HHC WHL SMP UG/L	34350 CHLORDANE WHL SMP UG/L	34360 DDD WHL SMP UG/L	34365 DDE WHL SMP UG/L	34370 DDT WHL SMP UG/L	34380 DIELDRIN WHL SMP UG/L	34390 ENDRIN WHL SMP UG/L	34400 TOXPHENE WHL SMP UG/L
73/05/16	11 00	0001	20413									
73/06/05	18 00	0001	23416									
73/06/20	10 45	0001	25416									
73/07/03	16 30	0001	27416									
73/07/18	07 15	0001	24416									
73/07/31	18 30	0001	31416									
73/09/12	12 40	0001	37416									
73/09/25	16 00	0001	34416	0.001K	0.003	0.005K	0.001K	0.001K	0.010	0.001K	0.002K	0.060K
73/10/18	07 30	0001	42416	0.001K	0.007	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/10/30	16 00	0001	44416	0.001K	0.008	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/11/14	11 05	0001	46416	0.001K	0.011	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/12/04	14 15	0001	44416									
73/12/19	10 15	0001	51416									
74/01/23	11 00	0001	4416									
74/02/05	14 45	0001	6416									
74/02/27	12 40	0001	4416									
74/03/12	14 30	0001	11416									
74/04/10	18 00	0001	15416									
74/05/07	17 30	0001	14416									
74/10/22	16 05	0003	44024									
74/10/23	18 40	0003	44061									
74/10/24	09 10	0003	44062									
	15 00	0003	44082									

STONKET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150032
42 40 05.0 113 29 05.0
SNAKE R RLV MJNIDUKA DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
5 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39410 HCHLR WHL SMP/L UG/L	39420 HCHLR-EP WHL SMP/L UG/L	39782 LINDANE WHL SMP/L UG/L	39508 AROCLOP 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORANE MUD UG/KG	39362 MUD UG/KG	39368 MUD UG/KG
73/05/16	11 00	0001	20413									
73/06/05	18 00	0001	23416									
73/06/20	10 45	0001	25416									
73/07/03	16 30	0001	27416									
73/07/18	07 15	0001	29416									
73/07/31	18 30	0001	31416									
73/09/12	12 40	0001	37416									
73/09/25	16 00	0001	39416	0.001K	0.001K	0.001K	0.015K					
73/10/18	07 30	0001	42416	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.03K	0.03K
73/10/30	16 00	0001	44416	0.001K	0.001K	0.001K	0.015K					
73/11/14	11 05	0001	46416	0.001K	0.001K	0.001K	0.015K					
73/12/04	14 15	0001	48416									
73/12/14	10 15	0001	51416									
74/01/23	11 00	0001	4416									
74/02/05	14 45	0001	6416									
74/02/27	12 40	0001	9416									
74/03/12	14 30	0001	11416									
74/04/10	18 00	0001	15416									
74/05/07	17 30	0001	19416									
74/10/22	16 05	0003	44024									
74/10/23	18 40	0003	44061									
74/10/24	09 10	0003	44062									
	15 00	0003	44082									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150032
42 40 05.0 113 24 05.0
SNAKE R BLW MINIHUKA DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
5 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39373 NIT MUD UG/KG	39383 NITELORIN MUD UG/KG	39393 FNDORIN MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39473 LINDANE MUD DRY UG/KG	39511 AKICLOR 1260 MUD UG/KG
73/05/16	11	00	0001	20413							
73/06/05	18	00	0001	23416							
73/06/20	10	45	0001	25416							
73/07/03	16	30	0001	27416							
73/07/18	07	15	0001	29416							
73/07/31	18	30	0001	31416							
73/09/12	12	40	0001	37416							
73/09/25	16	00	0001	39416							
73/10/18	07	30	0001	42416	0.10K	0.03K	0.06K	2.00K	0.03K	0.03K	0.50K
73/10/30	16	00	0001	44916							
73/11/14	11	05	0001	46416							
73/12/04	14	15	0001	48416							
73/12/19	10	15	0001	51416							
74/01/23	11	00	0001	4916							
74/02/05	14	45	0001	6416							
74/02/27	12	40	0001	9416							
74/03/12	14	30	0001	11416							
74/04/10	18	00	0001	15416							
74/05/07	17	30	0001	19416							
74/10/22	16	05	0003	99024							
74/10/23	18	40	0003	99061							
74/10/24	09	10	0003	99062							
	15	00	0003	99082							

STORRET RETRIEVAL DATE 75/05/20
UPPER SNAKE

150057
42 33 59.0 113 51 06.0
MAIN DRAIN @ 950 WEST ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000004 LAB IDENT. NUMBER	39330 ALDRIN WHL SMPLE UG/L	39340 BHC WHL SMPLE UG/L	39350 CHLORDANE WHL SMPLE UG/L	39360 DDE WHL SMPLE UG/L	39365 DDE WHL SMPLE UG/L	39370 DDE WHL SMPLE UG/L	39380 DDE WHL SMPLE UG/L	39390 DDE WHL SMPLE UG/L	39400 DDE WHL SMPLE UG/L
71/10/28				0.007	0.003K	0.121	0.010K	0.006K	0.021	0.017	0.006K	0.160K
72/08/22	14 25		5611									
72/08/23	16 40		5640									
72/08/24	15 45		5670									
73/06/05	17 00	0001	23417									
73/06/20	12 00	0001	25417									
73/07/03	15 30	0001	27417	0.001K	0.001K	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/07/18	09 00	0001	29417									
73/07/31	16 45	001	31417									
73/09/12	10 20		37417									
73/09/25	13 00	0001	39417	0.001K	0.002	0.005K	0.001K	0.002	0.002	0.001K	0.001K	0.060K
73/10/18	10 00	0001	42417	0.001K	0.001	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/10/30	14 30	0001	44417	0.001K	0.010	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/11/14	13 00	0001	46417	0.001K	0.010	0.005K	0.004	0.001K	0.006	0.001K	0.002K	0.060K
73/12/04	13 15	0001	49417									
73/12/19	12 00	0001	51417									
74/02/05	12 45	0001	6917									
74/02/27	14 00	0001	9417									
74/03/12	13 00	0001	11417									
74/04/10	19 00	0001	15417									
74/05/07	16 15	0001	19417									

START RETRIEVAL DATE 75/05/20
UPPER SNAKE

150057
42 33 54.0 113 51 06.0
MAIN DRAIN @ 950 WEST ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1114C050 7111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39410	39420	39782	39508	39333	39343	39351	39363	39368
FROM	OF	FEET	LAK	HCHLR	HCHLR-EP	LINDANE	ARNDCLOR	ALDRIN	BHC	CHLORIDANE	DDE	DDE
TO	DAY	FEET	IDENT.	WHL SMP	WHL SMP	WHL SMP	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
71/10/28				0.015	0.006K	0.011						
72/08/22	14 25		5611									
72/08/23	16 40		5640									
72/08/24	15 45		5670									
73/06/05	17 00 0001		23917									
73/06/20	12 00 0001		25417									
73/07/03	15 30 0001		27917	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	1.41	3.15
73/07/18	09 00 0001		29917									
73/07/31	16 45 0001		31917									
73/09/12	10 20		37917									
73/09/25	13 00 0001		39917	0.001K	0.001K	0.001K	0.015K					
73/10/18	10 00 0001		42917	0.001K	0.001K	0.001K	0.015K	0.03K	0.91	0.20K	4.00	3.90
73/10/30	14 30 0001		44917	0.001K	0.001K	0.001K	0.015K					
73/11/14	13 00 0001		46917	0.001K	0.001K	0.001K	0.015K					
73/12/04	13 15 0001		49917									
73/12/19	12 00 0001		51917									
74/02/05	12 45 0001		5917									
74/02/27	14 00 0001		9917									
74/03/12	13 00 0001		11917									
74/04/10	19 00 0001		15917									
74/05/07	16 15 0001		19917									

STORRET RETRIEVAL DATE 7/5/05/20
UPPER SNAKE

150057
42 33 59.0 113 51 06.0
MAIN DRAIN @ 950 WEST ROAD
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000004	39373	39383	39393	39403	39413	39423	39783	39511
FROM	OF		LAB	DDT	DIFLORIN	ENDORIN	TOXPHENE	HCHLR	HCHLR-EP	LINDANE	AROCLOK
TO	DAY	FEET	NUMMER	MUD	MUD	MUD	MUD	MUD	MUD	MUD DRY	1260 MUD
				UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
72/08/22	14 25		5611								
72/08/23	16 40		5640								
72/08/24	15 45		5670								
73/06/05	17 00	0001	23417								
73/06/20	12 00	0001	25417								
73/07/03	15 30	0001	27417	2.70	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/07/18	04 00	0001	24417								
73/07/31	16 45	0001	31417								
73/09/12	10 20		37417								
73/09/25	13 00	0001	34417								
73/10/18	10 00	0001	42417	3.00	0.54	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/10/30	14 30	0001	44417								
73/11/14	13 00	0001	46417								
73/12/04	13 15	0001	44417								
73/12/19	12 00	0001	51417								
74/02/05	12 45	0001	6417								
74/02/27	14 00	0001	9417								
74/03/12	13 00	0001	11417								
74/04/10	14 00	0001	15417								
74/05/07	16 15	0001	14417								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKF MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111202
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00008 LAB IDENT. NUMBER	39330 ALDRIN WHL SMPLE UG/L	39340 BHC WHL SMPLE UG/L	39350 CHLORDANE WHL SMPLE UG/L	39360 DDO WHL SMPLE UG/L	39365 DDE WHL SMPLE UG/L	39370 DDT WHL SMPLE UG/L	39380 DIELDRIN WHL SMPLE UG/L	39390 ENDRIN WHL SMPLE UG/L	39400 TOXPHENE WHL SMPLE UG/L
70/03/03	09	30		0.001K	0.001K		0.001K	0.001K	0.006	0.002	0.001K	
70/07/09	12	35		0.001K	0.001K		0.001K	0.001K	0.001K	0.001K	0.001K	
70/08/17	15	50		0.001K	0.001K		0.001K	0.001K	0.002	0.001K	0.001K	
70/09/22	08	10		0.001K	0.001K		0.001K	0.001K	0.002K	0.001K	0.001K	
70/10/20	08	00		0.001K	0.001K		0.001K	0.001K	0.002K	0.002	0.001K	
70/12/15	08	00 0000		0.001	0.001		0.001	0.001	0.003	0.005	0.003	
71/02/23	08	45 0000		0.001	0.001		0.001	0.001	0.003	0.001	0.001	
71/03/23	07	50 0000		0.001	0.001		0.001	0.001	0.005	0.001	0.001	
71/04/20	08	45 0000		0.001	0.001		0.001	0.001	0.008	0.001	0.001	
71/06/22	08	15		0.001	0.001		0.001	0.001	0.003	0.004	0.001	
71/07/27	12	05		0.003	0.007		0.001	0.001	0.003	0.001	0.001	
71/10/12				0.001K	0.003	0.005K	0.003K	0.003K	0.018	0.006	0.003K	0.080K
72/01/10				0.001K	0.001	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.080K
72/04/05	15	55		0.001K	0.001K	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.080K
72/04/28	15	55	5002									
	18	00	4102	0.001K	0.002	0.005K	0.002	0.002	0.011	0.002	0.002K	0.060K
72/08/22	15	15	5602									
72/08/23	10	30	5661									
	14	25	5631									
72/08/24	10	30	5661									
72/10/25	10	30	4307									
73/05/16	13	00 0001	20415									
73/06/05	15	40 0001	23418									
73/06/20	13	35 0001	25418									
73/07/03	14	15 0001	27418	0.001K	0.002	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/07/18	09	45 0001	29418									
73/07/31	15	00 0001	31418									
73/09/12	09	15 0001	37418									
73/09/25	11	30 0001	39418	0.001K	0.001	0.005K	0.001K	0.001	0.001K	0.001K	0.001K	0.060K
73/10/18	11	00 0001	42418	0.001K	0.005	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/10/30	12	30 0001	44418	0.001K	0.006	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/11/14	14	20 0001	46418	0.001K	0.009	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/12/04	12	10 0001	49418									
73/12/19	12	30 0001	51418									
74/01/08	12	00 0001	2418									
74/01/23	12	30 0001	4918									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111202
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39410 HCHLR WHL SMPLE UG/L	39420 HCHLR-EP WHL SMPLE UG/L	39482 LINDANE WHL SMPLE UG/L	39508 AKOCLOR 1260 UG/L	39333 ALDRIN MUU UG/KG	39343 BHC MUU UG/KG	39351 CHLORDANE MUU UG/KG	39363 MUU UG/KG	39368 MUU UG/KG
70/03/03	09	30		0.001K	0.001K							
70/07/04	12	35		0.001K								
70/08/17	15	50		0.001K	0.001K							
70/09/22	08	10		0.001K	0.001K							
70/10/20	08	00		0.001K	0.001K							
70/12/15	08	00	0000	0.001	0.001							
71/02/23	08	45	0000	0.001	0.001							
71/03/23	07	50	0000	0.001	0.001							
71/04/20	08	45	0000	0.001	0.001							
71/06/22	08	15		0.001	0.001							
71/07/27	12	05		0.001	0.001							
71/10/12				0.001K	0.001K	0.001K						
72/01/10				0.001K		0.001K						
72/04/05	16	55		0.001K	0.003	0.001K						
72/04/28	16	55	5002									
	18	00	8102	0.001K	0.001K	0.001K						
72/08/22	16	15	5602									
72/08/23	10	30	5651									
	16	25	5631									
72/08/24	10	30	5651									
72/10/25	10	30	4307									
73/05/16	13	00	0001	20415								
73/06/05	15	40	0001	23418								
73/06/20	13	35	0001	25413								
73/07/03	14	15	0001	27418	0.001K	0.001K	0.001K	0.015K				
73/07/18	09	45	0001	29418								
73/07/31	15	00	0001	31418								
73/08/12	09	15	0001	37418								
73/08/25	11	30	0001	39418	0.001K	0.001K	0.001K	0.015K				
73/10/18	11	00	0001	42418	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.03K
73/10/30	12	30	0001	44418	0.001K	0.001K	0.001K	0.015K				
73/11/14	16	20	0001	46413	0.001K	0.001K	0.001K	0.015K				
73/12/04	12	10	0001	49418								
73/12/19	12	30	0001	51413								
74/01/08	12	00	0001	2418								
74/01/23	12	30	0001	4418								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1114C050 2111202
2 0000 FEET DEPTH

DATE	TIME	DEPTH	0000R	34373	34383	34393	34403	34413	34423	34783	34511
FROM	OF		LAH	DDT	DIFLORIN	ENDRIN	TOXPHENE	HCHL	HCHL-EP	LINDANE	ARUCLUR
TO	DAY	FEET	IDENT.	MUD	MUD	MUD	MUD	MUD	MUD	MUD DRY	1260 MUD
			NUMBER	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
72/04/28	16	55	5002								
	18	00	8102								
72/08/22	16	15	5602								
72/08/23	10	30	5661								
	14	25	5631								
72/08/24	10	30	5661								
72/10/25	10	30	4307								
73/05/16	13	00	0001	20415							
73/06/05	15	40	0001	23418							
73/06/20	13	35	0001	25418							
73/07/03	14	15	0001	27418							
73/07/18	09	45	0001	29418							
73/07/31	15	00	0001	31418							
73/09/12	09	15	0001	37418							
73/09/25	11	30	0001	39418							
73/10/18	11	00	0001	42418	0.10K	0.03K	0.06K	2.00K	0.03K	0.03K	0.50K
73/10/30	12	30	0001	44418							
73/11/14	14	20	0001	46418							
73/12/04	12	10	0001	49418							
73/12/19	12	30	0001	51418							
74/01/08	12	00	0001	7418							
74/01/23	12	30	0001	4418							
74/02/05	12	00	0001	6418							
74/02/27	15	00	0001	9418							
74/03/12	12	00	0001	11418							
74/04/10	19	45	0001	15418							
74/05/07	15	00	0001	19418							
74/10/22	11	05	0003	44013							
	11	10	0007	44014							
	11	15	0003	44015							
	11	20	0007	44016							
	11	25	0016	44017							
	11	30	0030	44018							
	11	35	0003	44001							
	11	40	0007	44002							
	11	42	0016	44003							

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111202
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	0000R LAB IDENT. NUMBER	39330 ALDRIN WHL SMP UG/L	39340 BHC WHL SMP UG/L	39350 CHLORDANE WHL SMP UG/L	39360 DDD WHL SMP UG/L	39365 DDE WHL SMP UG/L	39370 DDT WHL SMP UG/L	39380 DIELDRIN WHL SMP UG/L	39390 ENDRIN WHL SMP UG/L	39400 LUXPHENE WHL SMP UG/L
74/02/05	12 00	0001	9418									
74/02/27	15 00	0001	9418									
74/03/12	12 00	0001	11918									
74/04/10	14 45	0001	15418									
74/05/07	15 00	0001	14418									
74/10/22	11 05	0003	94013									
	11 10	0007	94014									
	11 15	0003	94015									
	11 20	0007	94016									
	11 25	0016	94017									
	11 30	0030	94018									
	11 35	0003	94001									
	11 40	0007	94002									
	11 42	0016	94003									
	11 45	0033	94004									
	11 47	0003	94005									
	11 50	0007	94006									
	11 52	0016	94007									
	11 54	0026	94008									
74/10/23	11 50	0003	94034									
	11 52	0007	94035									
	11 54	0003	94036									
	11 56	0007	94037									
	11 58	0016	94038									
	12 00	0033	94039									
	12 05	0003	94040									
	12 08	0007	94041									
	12 10	0016	94042									
	12 13	0033	94043									
	12 20	0003	94044									
	12 25	0007	94045									
	12 30	0016	94046									
	16 45	0003	94052									
	16 50	0007	94053									
	16 55	0016	94054									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153001 13087900
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
1119C050 2111202
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	34410	34420	34782	34508	34333	34343	34351	34364	34368
FROM	OF		LAB	HCHLR	HCHLR-EP	LINDANE	AROCLOX	ALDRIN	BHC	CHLORDANE	DDT	DDE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
74/02/05	12	00	0001	5418								
74/02/27	15	00	0001	5418								
74/03/12	12	00	0001	11418								
74/04/10	19	45	0001	15418								
74/05/07	15	00	0001	19418								
74/10/22	11	05	0003	44013								
	11	10	0007	44014								
	11	15	0003	44015								
	11	20	0007	44016								
	11	25	0016	44017								
	11	30	0030	44018								
	11	35	0003	44001								
	11	40	0007	44002								
	11	42	0016	44003								
	11	45	0033	44004								
	11	47	0003	44005								
	11	50	0007	44006								
	11	52	0016	44007								
	11	54	0026	44008								
74/10/23	11	50	0003	44034								
	11	52	0007	44035								
	11	54	0003	44036								
	11	56	0007	44037								
	11	58	0016	44038								
	12	00	0033	44039								
	12	05	0003	44040								
	12	08	0007	44041								
	12	10	0016	44042								
	12	13	0033	44043								
	12	20	0003	44044								
	12	25	0007	44045								
	12	30	0016	44046								
	16	45	0003	44052								
	16	50	0007	44053								
	16	55	0016	44054								

STORRET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153001 13087400
42 31 26.0 114 00 40.0
LAKE MILNER AT MILNER DAM
16 IDAHO
PACIFIC NORTHWEST
UPPER SNAKE RIVER BASIN
11140050 2111202
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAM IDENT. NUMBER	39373 DOT MUJ UG/KG	39383 DIELDRIN MUJ UG/KG	39393 ENDRIN MUJ UG/KG	39403 TOXPHENE MUJ UG/KG	39413 HCHLR MUJ UG/KG	39423 HCHLR-EP MUJ UG/KG	39783 LINDANE MUJ DRY UG/KG	39511 AKUCLOK 1260 MUJ UG/KG
74/10/22	11 45	0033	99004								
	11 47	0003	99005								
	11 50	0007	99006								
	11 52	0016	99007								
	11 54	0026	99008								
74/10/23	11 50	0003	99034								
	11 52	0007	99035								
	11 54	0003	99036								
	11 56	0007	99037								
	11 58	0016	99038								
	12 00	0033	99039								
	12 05	0003	99040								
	12 08	0007	99041								
	12 10	0016	99042								
	12 13	0033	99043								
	12 20	0003	99044								
	12 25	0007	99045								
	12 30	0016	99046								
	16 45	0003	99052								
	16 50	0007	99053								
	16 55	0016	99054								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153003 13172850
43 32 54.0 116 47 57.0
SNAKE RIVER AT MARKSING IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1114C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	00008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAR	ALDRIN	DDE	CHLORDANE	DDE	DDE	DDE	DDE	DDE	DDE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
69/07/30				0.001K	0.001		0.001K	0.003	0.003	0.007	0.006	
70/03/03	13	30		0.001K	0.001K		0.001K	0.001K	0.003K	0.002	0.001K	
70/07/10	11	10		0.001K	0.001K		0.001K	0.001K	0.001K	0.003	0.001K	
70/08/24	10	30		0.001K	0.001K		0.001K	0.001K	0.005	0.001K	0.001K	
70/09/25	12	10		0.001K	0.001K		0.001K	0.002	0.002K	0.007	0.001K	
70/10/23	09	45		0.001K	0.001K		0.001K	0.001K	0.005	0.003	0.001K	
71/03/26	10	45	0000	0.001	0.001		0.001	0.001	0.003	0.001	0.001	
71/04/23	10	05	0000	0.001	0.001		0.001	0.001	0.008	0.012	0.001	
71/06/25	10	20		0.001	0.001		0.001	0.001	0.003	0.001	0.001	
72/01/11				0.002	0.001	0.005	0.001K	0.001K	0.003K	0.001K	0.002K	0.000K
72/04/24	10	00	8100	0.001K	0.005	0.005K	0.002	0.003	0.017	0.002	0.002K	0.000K
73/05/17	06	30	0001									
73/06/05	10	45	0001									
73/06/21	08	00	0001									
73/07/03	09	20	0001	0.001K	0.001	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.000K
73/07/19	07	30	0001									
73/07/31	10	15	0001									
73/09/11	17	20										
73/09/24	12	00	0001									
73/10/18	15	00	0001	0.001K	0.001	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.000K
73/10/29	13	25	0001									
73/11/15	08	45	0001									
73/12/03	12	15	0001									
73/12/20	08	15	0001									
74/01/07	12	00	0001									
74/01/24	17	30	0001									
74/02/04	21	00	0001									
74/02/28	10	30	0001									
74/03/11	21	00	0001									
74/04/11	20	15	0001									
74/05/10	08	30	0001									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153003 13172850
43 32 54.0 116 47 57.0
SNAKE RIVER AT MARSING IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39410	39420	39782	39508	39333	39343	39351	39363	39368
FROM	OF		LAH	HCHLR	HCHLR-EP	LINDANE	AROCLOD	ALDRIN	BHC	CHLORANE	DDT	DDE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
69/07/30				0.001K	0.001K							
70/03/03	13	30		0.001K	0.001K							
70/07/10	11	10		0.001K	0.001K							
70/08/24	10	30		0.001K	0.001K							
70/09/25	12	10		0.001K	0.001K							
70/10/23	09	45		0.001K	0.001K							
71/03/26	10	45	0000	0.001	0.001							
71/04/23	10	05	0000	0.001	0.001							
71/06/25	10	20		0.001	0.001							
72/01/11				0.001K		0.001						
72/04/24	10	00	8100	0.001K	0.001K	0.001K						
73/05/17	06	30	0001	20919								
73/06/05	10	45	0001	23919								
73/06/21	08	00	0001	25919								
73/07/03	09	20	0001	27919	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.03K
73/07/19	07	30	0001	29919								
73/07/31	10	15	0001	31919								
73/09/11	17	20		37919								
73/09/24	12	00	0001	39919								
73/10/18	15	00	0001	42919	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.2K
73/10/29	13	25	0001	44919								
73/11/15	08	45	0001	46919								
73/12/03	12	15	0001	49919								
73/12/20	06	15	0001	51919								
74/01/07	12	00	0001	7919								
74/01/24	17	30	0001	4919								
74/02/04	21	00	0001	6919								
74/02/28	10	30	0001	9919								
74/03/11	21	00	0001	11919								
74/04/11	20	15	0001	15919								
74/05/10	08	30	0001	19919								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153003 13172850
43 32 54.0 116 47 57.0
SNAKE RIVER AT MARSING IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00008 LAB IDENT. NUMBER	39373 DDT MUD UG/KG	39383 DIELDRIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39783 LINDANE MUD DRY UG/KG	39511 ARICLOR 1260 MUD UG/KG
72/04/24	10	00	8100								
73/05/17	06	30	0001								
73/06/05	10	45	0001								
73/06/21	08	00	0001								
73/07/03	09	20	0001								
73/07/19	07	30	0001								
73/07/31	10	15	0001								
73/09/11	17	20									
73/09/24	12	00	0001								
73/10/18	15	00	0001								
73/10/29	13	25	0001								
73/11/15	08	45	0001								
73/12/03	12	15	0001								
73/12/20	08	15	0001								
74/01/07	12	00	0001								
74/01/24	17	30	0001								
74/02/04	21	00	0001								
74/02/28	10	30	0001								
74/03/11	21	00	0001								
74/04/11	20	15	0001								
74/05/10	08	30	0001								

START RETRIEVAL DATE 75/05/20
UPPER SNAKE

153005 13213020
43 46 54.0 116 58 17.0
HOISE RIVER WEST OF PARMA IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1114C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	000008	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAB	ALDRIN	HHC	CHLORDANE	DDD	DDE	DDT	DIELDRIN	ENDRIN	TOXPHENE
TO	DAY	FEET	IDENT.	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL	WHL SMPL
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
70/03/03	14	30		0.001K	0.001		0.001	0.001K	0.003K	0.003	0.001K	
72/04/24	14	20	5445	0.001K	0.002	0.005K	0.001K	0.001K	0.002K	0.002	0.002K	0.060K
72/11/14	15	25	7300	0.001K	0.071	0.	0.001K	0.001K	0.002K	0.001K	0.002K	0.060K
73/05/17	07	30	0001 20417									
73/06/05	08	15	0001 23420									
73/06/21	04	30	0001 25420									
73/07/03	07	15	0001 27420	0.001K	0.004	0.005K	0.001K	0.007	0.009	0.003	0.002	0.060K
73/07/14	06	20	0001 29420									
73/07/31	09	00	0001 31420									
73/09/11	16	00	37420									
73/09/24	13	45	0001 39420									
73/10/18	18	00	0001 42420	0.001K	0.002	0.005K	0.003	0.002	0.005	0.002	0.002K	0.060K
73/10/29	14	10	0001 44420									
73/11/15	11	15	0001 46420									
73/12/03	14	00	0001 48420									
73/12/20	04	15	0001 51420									
74/01/07	13	15	0001 2420									
74/01/24	16	00	0001 4420									
74/02/04	20	00	0001 6420									
74/02/28	11	30	0001 9420									
74/03/11	14	30	0001 11420									
74/04/11	14	30	0001 15420									
74/05/10	10	00	0001 14420									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153005 13213020
43 46 54.0 116 58 17.0
HOISE RIVER WEST OF PARMA IDAHO
.16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	00008	39410	39420	39782	39508	39333	39343	39351	39363	39368
FROM	OF		LAB	HCHLR	HCHLR-EP	LINDANE	AROCLOX	ALDRIN	BHC	CHLORDANE	DDO	DDC
TO	DAY	FEET	IDENT.	WHL SMP	WHL SMP	WHL SMP	1260	MUD	MUD	MUD	MUD	MUD
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
70/03/03	14	30		0.001K	0.001K							
72/08/24	14	20	5496	0.001K	0.001K	0.001K						
72/11/14	15	25	7300	0.001K	0.001K	0.001K						
73/05/17	07	30	0001									
73/06/05	08	15	0001									
73/06/21	09	30	0001									
73/07/03	07	15	0001	0.001K	0.001K	0.002	0.015K	0.03K	0.03K	0.20K	37.34	32.25
73/07/19	06	20	0001									
73/07/31	09	00	0001									
73/09/11	16	00										
73/09/24	13	45	0001									
73/10/18	18	00	0001	0.001K	0.001K	0.001K	0.015K	0.03K	1.80	0.20K	7.60	7.40
73/10/29	16	10	0001									
73/11/15	11	15	0001									
73/12/03	14	00	0001									
73/12/20	09	15	0001									
74/01/07	13	15	0001									
74/01/24	16	00	0001									
74/02/04	20	00	0001									
74/02/28	11	30	0001									
74/03/11	19	30	0001									
74/04/11	19	30	0001									
74/05/10	10	00	0001									

STRAFT RETRIEVAL DATE 75/05/20
UPPER SNAKE

153005 13213020
43 46 54.0 116 58 17.0
BOISE RIVER WEST OF PARMA IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	0000H LAB IDENT. NUMBER	39373 DDT MUD UG/KG	39383 DIELDRI MUD UG/KG	39393 ENDRI MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39783 LINDANE MUD DRY UG/KG	39511 AROCLOK 1260 MUD UG/KG
72/08/24	14	20	5996								
72/11/14	15	25	7300								
73/05/17	07	30	0001								
73/06/05	08	15	0001								
73/06/21	09	30	0001								
73/07/03	07	15	0001								
73/07/19	06	20	0001								
73/07/31	09	00	0001								
73/09/11	16	00	37420								
73/09/24	13	45	0001								
73/10/18	18	00	0001								
73/10/29	16	10	0001								
73/11/15	11	15	0001								
73/12/03	14	00	0001								
73/12/20	09	15	0001								
74/01/07	13	15	0001								
74/01/24	16	00	0001								
74/02/04	20	00	0001								
74/02/28	11	30	0001								
74/03/11	19	30	0001								
74/04/11	19	30	0001								
74/05/10	10	00	0001								

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153004
44 14 44.0 116 5K 4K.0
SNAKE RIVER AT WEISER IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	0000R	39330	39340	39350	39360	39365	39370	39380	39390	39400
FROM	OF		LAR	ALDRIN	HHC	CHLORDANE	DDO	ODE	DDT	DIELDRIN	ENDRIN	TOXPHENE
TO	DAY	FEET	IDENT.	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE	WHL SMPLE
			NUMBER	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
72/08/28	13	30	6944	0.001K	0.022	0.005K	0.001K	0.002	0.005	0.005	0.002K	0.060K
72/11/20	16	00	7302	0.001K	0.004	0.005K	0.001K	0.001K	0.002K	0.001K	0.002K	0.060K
73/05/17	10	00 0001	20414									
73/06/04	19	20 0001	23421									
73/06/21	10	50 0001	25421									
73/07/02	13	35 0001	27421	0.001K	0.001K	0.005K	0.001K	0.001K	0.003K	0.001K	0.002K	0.060K
73/07/18	14	45 0001	29421									
73/07/31	11	45 0001	31421									
73/09/11	13	20	37421									
73/09/24	14	45 0001	39421									
73/10/19	06	30 0001	42421									
73/10/29	16	45 0001	44421									
73/11/15	12	00 0001	46421									
73/12/03	14	50 0001	49421									
73/12/20	10	30 0001	51421									
74/01/07	14	30 0001	2421									
74/01/24	10	15 0001	4421									
74/02/04	11	30 0001	6421									
74/02/24	13	00 0001	4421									
74/03/11	12	30 0001	11921									
74/04/11	17	00 0001	15421									
74/05/10	11	45 0001	14921									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153004
44 14 44.0 116 58 44.0
SNAKE RIVER AT WEISER IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	0000R LAB IDENT. NUMBER	39410 HCHLR WHL SMP/L UG/L	39420 HCHLR-EP WHL SMP/L UG/L	39742 LINDANE WHL SMP/L UG/L	39508 AROCLOP 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORIDANE MUD UG/KG	39363 DDE MUD UG/KG	39364 DDE MUD UG/KG
72/04/28	13	30	5448	0.001K	0.001K	0.001K						
72/11/20	16	00	7302	0.001K	0.001K	0.001K						
73/05/17	10	00	0001									
73/06/04	19	20	0001									
73/06/21	10	50	0001									
73/07/02	13	35	0001	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	4.30	3.46
73/07/18	14	45	0001									
73/07/31	11	45	0001									
73/09/11	13											
73/09/24	14	45	0001									
73/10/19	06	30	0001					0.03K	0.03K	0.20K	0.15	0.18
73/10/29	16	45	0001									
73/11/15	12	00	0001									
73/12/03	14	50	0001									
73/12/20	10	30	0001									
74/01/07	14	30	0001									
74/01/24	10	15	0001									
74/02/04	11	30	0001									
74/02/28	13	00	0001									
74/03/11	12	30	0001									
74/04/11	17	00	0001									
74/05/10	11	45	0001									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

153004
44 14 44.0 116 54 44.0
SNAKE RIVER AT WEISER IDAHO
16 IDAHO
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
11190050 2111704
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000004 LAB IDENT. NUMBER	39373 DDT MUD UG/KG	39383 DIFLORIN MUD UG/KG	39393 ENDRIN MUD UG/KG	39403 TOXPHENE MUD UG/KG	39413 HCHLR MUD UG/KG	39423 HCHLR-EP MUD UG/KG	39743 LINIDANE MUD DRY UG/KG	39511 AKOCLOR 1260 MUD UG/KG
72/08/28	13	30	6444								
72/11/20	16	00	7302								
73/05/17	10	00 0001	20419								
73/06/04	19	20 0001	23421								
73/06/21	10	50 0001	25421								
73/07/02	13	35 0001	27421	7.17	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/07/18	14	45 0001	24421								
73/07/31	11	45 0001	31421								
73/09/11	13	20	37421								
73/09/24	14	45 0001	34421								
73/10/19	06	30 0001	42421	0.22	0.03K	0.06K	2.00K	0.03K	0.03K	0.03K	0.50K
73/10/29	16	45 0001	44421								
73/11/15	12	00 0001	46421								
73/12/03	14	50 0001	44421								
73/12/20	10	30 0001	51421								
74/01/07	14	30 0001	2421								
74/01/24	10	15 0001	4421								
74/02/04	11	30 0001	6421								
74/02/28	13	00 0001	9421								
74/03/11	12	30 0001	11421								
74/04/11	17	00 0001	15421								
74/05/10	11	45 0001	14421								

STORE RETRIEVAL DATE 75/05/20
UPPER SNAKE

44500601175

403004
44 50 06.0 117 54 01.0
SNAKE RIVER BL BROWNLEE DAM
41 OREGON
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	00008 LAB IDENT. NUMBER	39330 ALDRIN WHL SMPLE UG/L	39340 BHC WHL SMPLE UG/L	39350 CHLORDANE WHL SMPLE UG/L	39360 DDT WHL SMPLE UG/L	39365 DDE WHL SMPLE UG/L	39370 DDT WHL SMPLE UG/L	39380 DIELDRIN WHL SMPLE UG/L	39390 ENDRIN WHL SMPLE UG/L	39400 TOXPHENE WHL SMPLE UG/L
73/05/17	14	15	0001	20919								
73/06/06	16	10	0001	23422								
73/06/21	14	45	0001	25422								
73/07/02	16	00	0001	27422	0.001K	0.003	0.005K	0.001K	0.003	0.007	0.009	0.002K
73/07/18	16	15	0001	29422								0.060K
73/07/31	16	15	0001	31422								
73/09/11	09	45		37422								
73/09/24	17	30	0001	39422								
73/10/18	20	30	0001	42422	0.001K	0.001	0.005K	0.001K	0.001K	0.002	0.001K	0.002K
73/10/29	19	10	0001	44422								0.060K
73/11/15	14	25	0001	46422								
73/12/03	17	30	0001	48422								
74/01/07	17	30	0001	2422								
74/01/24	13	20	0001	4922								
74/02/04	16	00	0001	6422								
74/02/28	16	30	0001	9422								
74/03/11	16	30	0001	11422								
74/04/11	15	00		15422								
74/05/10	14	15	0001	19422								

STORET RETRIEVAL DATE 15/05/20
UPPER SNAKE

403004
44 50 06.0 117 54 01.0
SNAKE RIVER HL BROWNLEE DAM
41 OREGON
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE FROM TO	TIME OF DAY	DEPTH FEET	000008 LAB IDENT. NUMBER	39410 HCHLR WHL SMPLE UG/L	39420 HCHLR-EP WHL SMPLE UG/L	39782 LINDANE WHL SMPLE UG/L	39508 AROCLOX 1260 UG/L	39333 ALDRIN MUD UG/KG	39343 BHC MUD UG/KG	39351 CHLORANE MUD UG/KG	39363 DDE MUD UG/KG	39368 DDE MUD UG/KG
73/05/17	14 15	0001	20419									
73/06/04	16 10	0001	23022									
73/06/21	14 45	0001	25422									
73/07/02	16 00	0001	27422	0.001K	0.001K	0.001K	0.015K	0.03K	0.03K	0.20K	0.03K	0.96
73/07/18	16 15	0001	29422									
73/07/31	16 15	0001	31422									
73/09/11	09 45		31422									
73/09/24	17 30	0001	34422									
73/10/18	20 30	0001	42422	0.001K	0.001K	0.001K	0.015K					
73/10/29	19 10	0001	44422									
73/11/15	14 25	0001	46422									
73/12/03	17 30	0001	49422									
74/01/07	17 30	0001	2422									
74/01/24	13 20	0001	4422									
74/02/04	16 00	0001	5422									
74/02/28	16 30	0001	4422									
74/03/11	16 30	0001	11422									
74/04/11	15 00		15922									
74/05/10	14 15	0001	19922									

STORET RETRIEVAL DATE 75/05/20
UPPER SNAKE

44500601175

403004
44 50 06.0 117 54 01.0
SNAKE RIVER HL BROWNLEE DAM
41 OREGON
PACIFIC NORTHWEST
CENTRAL SNAKE RIVER BASIN
1119C050 2111204
2 0000 FEET DEPTH

DATE	TIME	DEPTH	00008	39373	39383	39393	39403	39413	39423	39783	39511
FROM	OF		LAR	DOT	DTFLDRIN	ENDRTN	TOXPHFNE	HCHLR	HCHLR-EP	LINDANE	AROCLOH
TO	DAY	FEET	NUMBER	MUD	MUD	MUD	MUD	MUD	MUD	MUD DRY	1260 MUD
				UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
73/05/17	14	15	0001	20919							
73/06/04	16	10	0001	23422							
73/06/21	14	45	0001	25422							
73/07/02	16	00	0001	27422	1.97	0.03K	0.06K	2.00K	0.03K	0.03K	0.50K
73/07/18	16	15	0001	29422							
73/07/31	16	15	0001	31422							
73/09/11	09	45		37422							
73/09/24	17	30	0001	39422							
73/10/18	20	30	0001	42422							
73/10/29	19	10	0001	44422							
73/11/15	14	25	0001	46422							
73/12/03	17	30	0001	49422							
74/01/07	17	30	0001	2422							
74/01/24	13	20	0001	4422							
74/02/04	16	00	0001	6922							
74/02/28	16	30	0001	4422							
74/03/11	16	30	0001	11422							
74/04/11	15	00		15422							
74/05/10	14	15	0001	14422							