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SHIPPER RECEIVER'S USER GUIDE TO COMPUTERIZED  
LABORATORY DATA MANAGEMENT SYSTEM

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**Inland Waters Directorate  
Pacific and Yukon Region  
Vancouver, B.C.**

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Computerized Laboratory Data Management System

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Inland Waters Directorate  
Pacific and Yukon Region  
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## INTRODUCTION

A computerized data and laboratory management system has been developed by Water Quality Branch, Pacific and Yukon Region. The system which has been developed is designed to operate independent of data capture activities, relieving the system of real time obligations. The system is self explanatory, hence user friendly. The current implementation is accessed by dialup terminals located in the laboratory to an IBM 4341 located at Simon Fraser University.

## TO USE

This system was designed to be used by people who have little or no computer experience. It is very straight forward and self explanatory. If it is your first time using the system it is recommended that you try a simple command such as 'CHG.PASSWORD' first to get some idea of how the system works.

To start the system running all the user need do is sign on to WQB6. Anywhere that the year is required as input always enter the fiscal year and only the last two digits (eg: 81). When you have finished your session any one of the commands 'HALT', 'STOP', 'END' will terminate your run and sign you off.

A list of the commands available to you and a brief description of each is given at the end of this section. If a more indepth description is needed refer to the corresponding section in this manual. Only the first six characters of a command need be entered but no harm is done if more than six are used.

Commands available:

A.S.PAR	adds or deletes parameters from a sample
ADD.PROJECT	adds a project to the file of projects
ADD.STATION	adds a station to the file of stations
ALL.PARAMETER	lists all samples on file with a given parameter
BROKEN.BOTTLE	for broken bottles (need sample # & bottle #)
CHG.BOTTLE NUMBER	to change the bottle number of a given sample
CHG.PASSWORD	change your password
CR.SCHEMA	creates a schema to be used in INIT.SAMPLE
DESTROY.SCHEMA	deletes a schema from the system so that the schema number may be reused
ENT.DIRECT.DATA	used by Shipper-receiver to enter basic 14 parameter values
INIT.SAMPLE	initializes a sample once it is received in the lab
INSERT.PARAMETER	adds a parameter to the file of parameters
LIST.PARAMETERS	lists the parameters on file
LIST.SAMPLE	lists a specified sample
PROJECT.LIST	gives a listing of the projects
SCHEMA	lists the contents of a schema
STAT.CHANGE	changes the station number associated with a sample
STATION.LIST	lists the station numbers available
HALT, STOP, END	terminates session

A.S.PAR

This command adds or deletes parameters from a sample - bottle number pair. It is useful when a sample is to be analysed in a similar way another sample was which already has a schema set up. Once the sample has been initialized using the existing schema the extra parameters may be deleted or new ones added with the use of this command.

A.S.PAR  
ADD OR SUBTRACT PARAMETERS  
ENTER SAMPLE #

?7  
DO YOU WANT TO ADD OR DELETE PARAMETERS?

?ADD  
HOW MANY PARAMETERS ARE TO BE ADDED?

?1  
ENTER 6 DIGIT CODE,BOTTLE#

?0910-L,15

ENTER A COMMAND

?

## ADD.PROJECT

The 'ADD.PROJECT' command is used to add a project/study to the project on file. It requires a project number, which is not currently in use, as well as a description of the project.

ADD,PROJECT  
ADD A PROJECT  
ENTER PROJECT NUMBER  
?500  
ENTER INFORMATION  
?TEST PROJECT  
DO YOU WANT TO ENTER ANOTHER PROJECT?  
?NO  
ENTER A COMMAND  
?

ADD.STATION

This command is used to add a new station to the stations already on file and requires a twelve digit station number along with a description.

ADD:STATION  
ADD A STATION  
ENTER 12 DIGIT STATION NUMBER  
?123456789012  
ENTER DESCRIPTION  
?TEST STATION  
DO YOU WANT TO ENTER ANOTHER STATION #?  
?NO  
ENTER A COMMAND  
?

ALL.PARAMETER

This command requires only a six digit parameter code and will produce a list of all the sample number - bottle number pairs of that parameter on file. Unlike the command 'WORKSHEET' this command will list both finished and unfinished analysis.

ALL.PARAMETER  
ENTER 6 DIGIT PARAMETER CODE:

?1630-L  
ENTER STARTING AND ENDING SAMPLE NUMBER. EXAMPLE: 20,30

?10,15

HIT PAGE FEED THEN RETURN

?

PARAMETER 1630-L

SAMP#	BOT#	STG VALUE
-------	------	-----------

10	10	0 16.9
11	11	0 39.0

DATE	PROJECT
------	---------

15-APR SAGE CREEK	
15-APR SALMON RIVER @ HYDER ALASKA	

ENTER A COMMAND

?

### BROKEN BOTTLE

When a bottle from a sample is broken the use of this command inserts the work '\*BROKEN\*' as the value of all parameters not already analysed associated with that bottle. The stage of the parameter is also changed to a '1'. The user need only supply the sample - bottle number pair to have this done.

BROKEN BOTTLE

BROKEN BOTTLE  
WHAT IS THE SAMPLE NUMBER(WITHOUT YEAR)? EG 0001

?6

ENTER BOTTLE NUMBER

?12-4

ENTER DATE BROKEN EG:23-JUL

?23-JAN

DO YOU WISH TO ENTER ANOTHER SAMPLE #?

?NO

ENTER A COMMAND

?

CHG.BOTTLE.NUMBER

This command is used to change a bottle number within a sample which has previously been entered into the system. Only the sample number and, old and new bottle number need be known to use this command.

CHG.BOTTLE.NUMBER

CHANGE BOTTLE NUMBER

WHAT IS THE SAMPLE NUMBER(WITHOUT YEAR)? EG 0001

?11

ENTER BOTTLE NUMBER

?11A

ENTER NEW BOTTLE NUMBER

?11AAA

DO YOU WISH TO ENTER ANOTHER SAMPLE #?

?N

ENTER A COMMAND

?

CHG.PASSWORD

This command changes your password and is a simple command to use. All that is asked for is your new password which will need to be typed twice, on two separate lines.

CHG.PASSWORD  
ENTER NEW PASSWORD  
?\*\*\*\*\*  
REENTER PASSWORD  
?\*\*\*\*\*  
ENTER A COMMAND  
?

### CR.SCHEMA

The 'CR.SCHEMA' command is used to set up a schema. You will need to know the number of bottles to be associated with the schema and the parameters to be analysed for each. There are provisions for more than one bottle to be analysed for the same set of parameters and these parameters need only be entered once.

If a sample is to have an ionic balance calculation done on it the parameters needed for this calculation must be entered under one bottle number even if two bottles are used in the sample.

C6 SCHEMA  
YOUR SCHEMA WILL BE NUMBER 19  
ENTER TOTAL NUMBER OF BOTTLES

?5  
ARE THERE BOTTLES WHICH ARE TO BE ANALYSED FOR THE SAME PARAMETER?

?Y  
FOR BLOCK # 1 HOW MANY BOTTLES?

?3  
HOW MANY PARAMETERS? (MAX 18)

?3  
ENTER THE PARAMETERS SEPARATED BY COMMA  
?0206-L,1030-L,0207-L

ARE THESE OK?: 0206-L,1030-L,0207-L

?Y  
FOR BLOCK # 2 HOW MANY BOTTLES?

?2  
HOW MANY PARAMETERS? (MAX 16)

?1  
ENTER THE PARAMETERS SEPARATED BY COMMA  
?1055-L

ARE THESE OK?: 1055-L

?Y  
ENTER A COMMAND  
?

DESTROY.SCHEMA

This command will delete a user specified schema from the system. After the schema is deleted the corresponding schema number will be reused when new schemas are created. This will help in keeping the number of schemas on the system to a minimum by having those which are no longer in use be deleted.

DESTROY SCHEMA  
ENTER SCHEMA TO BE DELETED

?1  
IS THIS THE ONE?

SCHEMA # 1

TOTAL BOTTLES 1 TOTAL PARAMETERS 1

#BOTTLES	#PARAMETERS	PARAMETERS
1	1	1010-L

?Y  
ENTER A COMMAND  
?

ENT.DIRECT.DATA

This command was designed for use by the shipper-receiver to enter his/her basic 14 parameters.

When this command is used the user will be prompted for a sample number and then a value for each of the 14 parameters, all of which must be included in the sample entered.

ENT.DIRECR,DATA  
DATA ENTER FOR BLOCKS  
WHAT FISCAL YEAR DID YOU DO THESE ANALYSIS?

?82  
WHAT MONTH ? EG: 4

?4  
ENTER SAMPLE#,BOTTLE #, OR '0' TO STOP  
?147,147  
ENTER VALUE FOR :  
02061L

?1  
10301L

?2  
02041L

?3  
02073L

?4  
02011L

?5  
10151L

?6  
10101L

?7  
10603L

?8  
20101L

?9  
09106L

?10  
10401L

?12  
10451L

?13  
10501L

?14  
10551L

?15  
ARE THE ABOVE VALUES OK? (Y/N)

?Y  
ENTER SAMPLE#,BOTTLE #, OR '0' TO STOP  
?0

0 VALUES WERE ENTERED INTO DATA FILE  
ENTER A COMMAND  
?

## INIT.SAMPLE

This command initializes a sample once it has entered the lab. It reserves space within the system for all the analysis associated with that sample. This command accepts input either from a schema or directly. If the schema approach is used then only the bottle numbers need be entered. If the direct approach is used then the total number of bottles and parameters will need to be inputted followed by the parameter - bottle number pair. The latter method is very time consuming and costly so it is to your advantage to set up schemas beforehand.

Various other information may be added when initializing a sample such as the date of sampling, distance from left bank, depth and station number. One item which must be entered is the project number to which the analysis is to be billed.

INIT.SAMPLE  
INITIALIZE A SAMPLE  
SAMPLE NUMBER 6 WILL BE USED  
ENTER PROJECT #  
?0309  
DO YOU WANT TO ENTER A STATION NUMBER ?  
?NO  
ENTER ANY INFORMATION  
?TEST DATA  
ENTER TIME ZONE EG:MST  
  
?MST  
ENTER DATE OF SAMPLING AS D/M/YR (EG 01/01/81)  
?10/01/81  
ENTER TIMM AS HR:MIN  
?12:22  
ENTER DISTANCE FROM LEFT BANK TO NEAREST METER  
?1  
ENTER DEPTH TO NEAREST METER  
?3  
DO YOU WISH TO USE A SCHEMA OR ENTER DIRECTLY?  
ENTER S OR D  
?S  
ENTER SCHEMA NUMBER  
?17  
ENTER 3 BOTTLE NUMBERS FOR PARAMETERS: 0206-L,1030-L,0207-L  
?12-1  
?12-2  
?12-3  
ENTER 2 BOTTLE NUMBERS FOR PARAMETERS: 1055-L  
?12-4  
?12-5  
ENTER A COMMAND  
?

INSERT.PARAMETER

This command may be used to insert new parameters into the parameter file. It requires a type code, parameter code, description, cost of analysis and a TMU value. The parameter code must be between three and six characters long.

INSERT PARAMETER  
WHICH OF THE FOLLOWING GROUPS DID YOU WANT TO INSERT A PARAMETER INTO?  
01 SITE RESULTS  
02 FIELD LAB RESULTS  
03 BIOLOGICAL DATA  
04 NUTRIENTS  
05 BIOLOGICAL DATA  
06 ORGANIC DATA  
07 BALANCE DATA AND CALCULATED PARAMETERS  
08 HEAVY METALS, TRACE ELEMENTS, AND TOXIC MATERIALS  
09 PESTICIDES AND INDUSTRIAL CHEMICALS  
10 RADIOACTIVITY RESULTS

ENTER TWO DIGIT CODE EG:01

?10

ENTER 6 DIGIT PARAMETER CODE EG: 0207-L

?1234-L

ENTER DESCRIPTION

?TEST PARMA

ENTER COST OF ANALYSIS AND TMU

?1.2,0.1

THE FOLLOWING WILL BE ADDED TO FILE

10 1234-L TEST PARMA

IS THIS OK?

1.20 0.1000

?Y

DO YOU WANT TO ADD ANOTHER PARAMETER?

?NO

ENTER A COMMAND

?

LIST.PARAMETERS

This command lists the parameter codes and their description for all parameters on file. No information is required to use this command.

## LIST.PARAMETERS

## \*\*\* PARAMETER LISTING \*\*\*

## 01 \*\*\* SITE RESULTS \*\*\*

TEST	TEST	0.0	0.0
TEST	TEST	0.0	0.0
TEST	TEST	0.0	0.0
1060-L	HARDNESS TOTAL MG/L	0.0	0.0

## 02 \*\*\* FIELD LAB RESULTS \*\*\*

## 03 \*\*\* PHYSICAL DATA \*\*\*

0206-L	TEMPERATURE (DEG.C.)	0.0	0.0
1010-L	ALKALINITY (TOTAL)	2.75	0.1400
1015-L	ALKALINITY (PHENOL)	0.10	0.1400
0204-L	COND	1.20	0.0430
1030-L	PH	0.50	0.0400
0207-L	TURBIDITY (J.T.U.)	1.25	0.0610
0201-L	COLOUR (REL.UNITS)	1.25	0.0610
1040-L	RESIDUE N.F. (105 C)	2.25	0.1040
1045-L	RESIDUE FILTERABLE (105 C)	2.00	0.3100
1050-L	RESIDUE FIXED N.F. (550 C)	1.50	0.1040
1055-L	RESIDUE FILTERABLE (550 C)	1.25	0.3100

## 04 \*\*\* NUTRIENTS \*\*\*

1541-L	PHOSPHORUS (AS P) (TOTAL)	3.00	0.1
1525-L	PHOSPHORUS (AS P) (ORTHO)	1.00	0.05
1510-L	PHOSPHORUS (TOTAL SOLUBLE)	3.00	0.1
1546-L	PHOSPHATE (DISS.)	1.00	0.05
1535-L	PHOSPHATE (INORGANIC)	0.0	0.1000

## 05 \*\*\* BIOLOGICAL DATA \*\*\*

ALG-BI	ALGAL BIOASSAY	800.0	67.5
PHYTO	PHYTOPLANKTON	35.0	1.85
PERIPH	PERIPHYTON	45.0	1.8
PER-PR	PERIPHYTON PREP.	0.0	0.6600
FEC-C	FECAL COLIFORM	0.0	0.9200
EPIF	EPIFLUORESCENT COUNT	0.0	0.6670
INVERT	INVERTBRATES	0.0	0.0
FISH	FISH	0.0	0.0
MET-PR	METAL PREP.	0.0	0.3300
CHLO-F	CHLOROPHYLL PREP.	0.0	0.2500

## 06 \*\*\* ORGANIC DATA \*\*\*

0711-L	NO3+NO2 AS N(DISS.)	2.00	0.04
0755-L	NITROGEN-AMMONIA	2.00	0.04
0605-L	CARBON (TIC AS C)	1.50	0.10
0600-L	CARBON (TOC AS C)	2.50	0.10
0615-L	CARBON (DIC AS C)	1.50	0.1
0610-L	CARBON (DOC AS C)	1.50	0.1
0690-L	CARBON PARTICULATE	6.70	0.0
CHLO-A	CHLOROPHYLL A	12.50	0.30
0653-L	PHENOLIC MATERIAL	5.00	0.13
0790-L	NITROGEN PARTICULATE	6.70	0.19
07313L	NITRATE	2.00	0.04
07204L	NITRITE	2.0	0.04

0655-L	TANNIN & LIGNIN	1.15	0.045
0772-L	UREA	1.00	0.37
OCPCRW	CHLOR. HYDRN. GRP. & PCB'S (WATER)	156.25	6.25
OCPCRS	CHLOR. HYDRN. GPR. & PCB'S (SEDIMENT)	234.5	9.38
HERB-W	PHENOXY ACID HERBICIDES (WATER)	90.00	3.6
COPROW	COPROSTANOL (WATER)	90.00	3.6
PCB-W	PCB'S (WATER)	87.50	3.5
PCB-S	PCB'S (SEDIMENT)	156.25	6.25
OC-W	CHLOR. HYDRN. GRD. ONLY (WATER)	87.25	3.5000
OC-S	CHLOR. HYDRN. GRD. ONLY (SEDIMENT)	156.25	6.2500

#### 07 \*\*\* BALANCE DATA & CALCULATED PARAMETERS \*\*\*

2010-L	CALCIUM (TITRATION)	2.75	0.0800
1210-L	MAGNESIUM	2.75	0.08
1910-L	POTASSIUM	0.1	0.03
1110-L	SODIUM (DISS.)	0.1	0.03
1720-L	CHLORIDE (DISS.)	1.00	0.05
0910-L	FLUORIDE (DIS.)	2.25	0.0
1410-L	SILICA REACTIVE	1.00	0.05
1630-L	SULPHATE (DISS.)	2.00	0.05
2005-L	CALCIUM (A.A.)	0.0	0.0

#### 08 \*\*\* HEAVY METALS, TRACE ELEMENTS & TOXIC MATERIALS \*\*\*

MET-NR	METALS NON RESIDUAL	3.5	0.14
MET-PD	METALS PEROXIDE DISS.	4.0	0.16
HG-ASF	HG IN ALGAE, SED, FISH ETC	20.0	0.80
2630-L	IRON (EXT.)	2.50	0.05
8230-L	LEAD (EXT.)	2.50	0.10
2530-L	MANGANESE (EXT.)	2.50	0.05
8031-L	MERCURY (UG/L) (EXT.)	2.50	0.125
4230-L	MOLYBDENUM (EXT.)	4.50	0.18
2830-L	NICKEL (EXT.)	2.50	0.1
5130-L	ANTIMONY (EXT.)	2.50	0.1
5630-L	BARIUM (EXT.)	2.00	0.08
4830-L	CADMIUM (EXT.)	2.50	0.1
2430-L	CHROMIUM (EXT.)	4.50	0.10
2730-L	COBALT (EXT.)	2.50	0.1
293--L	COPPER (EXT.)	2.50	0.1
0660-L	CYANIDE (TOTAL)	2.00	0.1
3310-L	ARSENIC (DISS.)	2.50	0.1
1330-L	ALUMINUM	0.10	0.0
3030-L	ZINC	2.50	0.1
2330-L	VANADIUM	4.50	0.18
5030-L	TIN (EXT.)	2.50	0.05
3830-L	STRONTIUM (EXT.)	2.00	0.08
3410-L	SELENIUM (DISS.)	2.50	0.10
4730-L	SILVER (EXT.)	4.50	0.18
8230-P	LEAD	0.0	0.0
2530-P	MANGANESE	0.0	0.0
3030-P	ZINC	0.0	0.0

#### 09 \*\*\* PESTICIDES & INDUSTRIAL CHEMICALS \*\*\*

#### 10 \*\*\* RADIOACTIVE RESULTS \*\*\*

ENTER A COMMAND  
?

LIST.SAMPLE

This command produces a list of the available data for a user specified sample number. All that is needed is the sample number range of interest.

LIST,SAMPLE  
SAMPLE LISTING  
WHAT IS SAMPLE RANGE DESIRED? EG: 1,20

?50,52  
HIT PAGE FEED THEN RETURN

?

SAMPLE #82000050 COLUMBIA RIVER AT WANETA

SAMPLE STAGE:

PROJECT : 330 WATER QUALITY INTERNATIONAL MONITORING

COST OF ANALYSIS : \$ 31.75

STATION #00BC0BNE0001 DISTANCE FROM LEFT BANK: 0 DEPTH: 0

DATE OF SAMPLING 07/04/82 TIME 17:10 ♦ PARAMETERS:38 ♦ PARAMETERS COMPLETED: 1

PARAM	BOT#	STG	VALUE	DESCRIPTION	DATE	R#
-------	------	-----	-------	-------------	------	----

1540-L	50A	PHOSPHORUS TOTAL	0
1540-L	50B	PHOSPHORUS TOTAL	0
1540-L	50C	PHOSPHORUS TOTAL	0
0711-L	50A	NO <sub>3</sub> +NO <sub>2</sub> AS N(DISS.)	0
0765-L	50A	TOTAL DISSOLVED NITROGEN	0
0711-L	50B	NO <sub>3</sub> +NO <sub>2</sub> AS N(DISS.)	0
0765-L	50B	TOTAL DISSOLVED NITROGEN	0
0711-L	50C	NO <sub>3</sub> +NO <sub>2</sub> AS N(DISS.)	0
0765-L	50C	TOTAL DISSOLVED NITROGEN	0
3330-L	50	ARSENIC	0
3430-L	50	SELENIUM	0
8031-P	50	MERCURY,EXTRACTABLE	0
4830-P	50	CADMIUM	0
2930-P	50	COPPER	0
2630-P	50	IRON	0
8230-P	50	LEAD	0
2530-P	50	MANGANESE	0
3030-P	50	ZINC	0
1910-L	50	POTASSIUM	0
1110-L	50	SODIUM (DISS.)	0
1720-L	50	CHLORIDE (DISS.)	0
1410-L	50	SILICA REACTIVE	0
16306L	50	SULPHATE (DISS.)	0
0206-L	50	TEMPERATURE (DEG.C.)	15-APR 0
1030-L	50	pH	0
0204-L	50	COND	0
0207-L	50	TURBIDITY (J.T.U.)	0
0201-L	50	COLOUR (REL.UNITS)	0
1015-L	50	ALKALINITY (PHENOL)	0
1010-L	50	ALKALINITY (TOTAL)	0
1060-L	50	HARDNESS	0
2010-L	50	CALCIUM (TITRATION)	0
1210-L	50	MAGNESIUM	0
0910-L	50	FLUORIDE (DIS.)	0
1040-L	50	RESIDUE N.F. (105 C)	0
1045-L	50	RESIDUE FILTERABLE (105 C)	0
1050-L	50	RESIDUE FIXED N.F. (550 C)	0
1055-I	50	RESIDUE FILTERABLE (550 C)	0

\* \* \* \* \*

DO YOU WANT TO LIST MORE SAMPLES?

?N  
ENTER A COMMAND  
?

PROJECT.LIST

This command will list all the projects on file. No information is needed to run the command.

PROJECT LIST  
HIT PAGE FEED THEN RETURN  
?

\*\*\* PROJECT LISTING \*\*\*

NUMBER	DESCRIPTION
100	TEST
300	B.C POLLUTION CONTROL BOARD OKANAGAN
301	B.C MINISTRY OF ENVIRONMENT
303	PEND D'OREILLE RIVER
304	BENCHMARK RES. BASINS (JACOBS CREEK & MITCHELL R.)
305	LOWER FRASER RIVER WATER QUALITY
306	PACIFIC FOREST RESEARCH CENTRE
308	KAMLOOPS LAKE STUDY (EPS)
309	DIAND MINES-YUKON (FORMERLY 0018)
310	KALUANE PARK WATER QUALITY STUDY (CWS)
311	FORESTRY PROGRAM VANCOUVER ISLAND
316	KOOTENAY BASIN
317	NORTH WEST BC
318	FRASER RIVER, WATER QUALITY OBJECTIVES
319	PRELIMINARY SURVEYS
320	ALCAN PIPELINE-SWIFT RIVER
321	ALCAN PIPELINE-OGILVIE RIVER
322	NUTRIENT QUALITY OF TRIBUTARY LOADING TO OKANAGAN SYSTEM
323	HYDROCHEMISTRY OF GROUNDWATER-LOWER FRASER VALLEY
324	COLUMBIA RIVER STUDY
325	FLATHEAD RIVER
326	PEACE RIVER
328	NO DESCRIPTION
330	WATER QUALITY INTERNATIONAL MONITORING
331	TIME SERIES MONITORING
332	KOOTENAY LAKE, CCIW
333	COLUMBIA LAKE-BC HYDRO
334	WATERQUALITY COSTS
340	NO DESCRIPTION
500	TEST PROJECT

ENTER A COMMAND  
?

SCHEMA

This command will produce a list of the contents of a user specified schema number.

SCHEMA  
LIST A SCHEMA

ENTER SCHEMA #

?19

SCHEMA # 19

TOTAL BOTTLES 5 TOTAL PARAMETERS 11

#BOTTLES	#PARAMETERS	PARAMETERS
3	3	0206-L,1030-L,0207-L
2	1	1055-L

DO YOU WANT TO LIST ANOTHER SCHEMA?

?NO

ENTER A COMMAND

?

STAT.CHANGE

This command will change the station number of a sample already entered into the system to a user specified station number. The station number supplied by the user must be one from the list of station numbers on file.

STAT,CHANGE

STATION CHANGE  
ENTER SAMPLE #

?4  
NO SAMPLE # 4 DO YOU WANT TO ENTER A REPLACEMENT?

?Y  
ENTER SAMPLE #

?5  
PRESENT STATION: TEST DEB 2  
ENTER NEW STATION #  
?00BC08MF0001

DONE

ENTER A COMMAND

?

STATION.LIST

This command lists the station numbers along with their descriptions of all the stations on file. It requires no user input.

STATION LIST  
HIT PAGE FEED THEN RETURN  
?

\*\*\*\* STATION LISTING \*\*\*\*

00BC08MF0001 FRASER RIVER AT HOPE  
00BC08MH0027 SUMAS RIVER AT HUNTINGTON  
00BC08NP0003 FLATHEAD RIVER  
00BC08NH0010 MOYIE RIVER AT KINGSGATE  
00BC08NG0002 KOOTENAY RIVER AT WARDNER  
00BC08NK0002 ELK RIVER AT PHILLIPS BRIDGE  
00BC08NP0006 SAGE CREEK  
00BC08NH0005 KOOTENAY RIVER AT NICKS ISLAND  
00BC08NN0022 KETTLE RIVER AT GILPIN FOOT BRIDGE  
00BC08NN0021 KETTLE RIVER AT CARSON  
00BC08NE0001 COLUMBIA RIVER AT WANETA  
00BC08NL0005 SIMILKAMEEN RIVER  
00BC08NN0010 BOUNDARY CREEK AT MIDWAY  
00BC08NM0001 OKANAGAN RIVER AT OLIVER  
00BC08NE0020 FEND-D'OREILLE RIVER AT REMAC  
00BC08NE0029 FEND-D'OREILLE RIVER AT WANETA  
00BC08PA0001 SKAGIT RIVER  
00BC08NG0003 KOOTENAY RIVER AT HWY 93 BRIDGE  
00BC08NG0004 ST. MARY RIVER AT ST. EUGENE MISSION  
00BC08NG0006 KOOTENAY RIVER AT FORT STEELE  
00BC08NG0007 KOOTENAY RIVER AT SHOKUMCHUCK  
00BC08NG0008 BULL RIVER AT HWY BRIDGE, BULL RIVER  
00BC08NK0003 ELK RIVER AT HWY 93 BRIDGE SOUTH OF ELKO

ENTER A COMMAND  
?