

# HOW TO RETRIEVE WATER QUALITY DATA FROM THE BRITISH COLUMBIA ENVIRONMENTAL MONITORING SYSTEM

**Did you know that a lot of the water quality data that's collected in the Shuswap watershed – and all across the province – is kept in a provincial government database? The database is called the “Environmental Monitoring System” (EMS) and you can access water quality data from it using its web reporting tool. There are a few steps to go through, follow this guide to learn how and do it for yourself.**

The Shuswap Watershed Council is not the steward of the EMS and has no authority over it. Any problems you may encounter with the EMS should be reported to the BC Government - Natural Resource Science Business Service Desk at 250 952-6801 or toll-free 1 866 952-8601.

## STEP 1 – Obtain a BC electronic identification (also known as a BCeID)

If you don't already have a BCeID, you'll need to begin by registering for one. Click [HERE](#) to register for a Basic BCeID.

Sometime after April 1, 2017, the requirement to have a BCeID to use the EMS web reporting tool will be eliminated. The exact date of this transition was not known at the time this user guide was created.

## STEP 2 – Request access to the EMS WR

Once you have your BCeID, send a request to the Natural Resource Science Business Service Desk to be granted access to the Environmental Monitoring System web reporting (WR) database. You can email your request to [NRSApplications@gov.bc.ca](mailto:NRSApplications@gov.bc.ca) (use subject line: EMS WR) or call 250-952-6801 (toll free 1-866-952-6801). You'll need to provide your BCeID username. Once you've completed step 2, you won't be able to go any further until you receive a reply confirming your request has been granted.

## STEP 3 – Log into the EMS WR

Using your BCeID username and password, log into the EMS web reporting database. Click [HERE](#) to access it. You might want to bookmark this website on your computer.

Using a database can be overwhelming and frustrating. It may take some time to get comfortable using it. You can try using some of our tricks and tips to make it easier.



**You can read about the EMS WR on the Province of BC website [HERE](#), which includes a 66-page user guide.**



When logged into the EMS web reporting database, you'll notice three key sections: **INFORMATION RETRIEVAL** at the top; **GRAPHS** in the middle; and **REPORTS** at the bottom.

Depending on your interests and purposes, you may choose to use one or all of these tools.

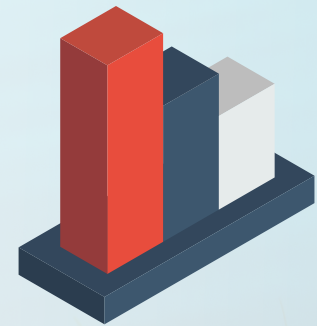
## Information retrieval

1. Begin by clicking on **monitoring locations**, and select a list of locations. Each monitoring location has a unique EMS ID. You can get to know these monitoring locations several ways:
    - **Not-as-easy method:** Query locations using the EMS WR
    - **Easier method:** Look at Appendix I (beginning on page 5 of this user-guide) for a list of Shuswap monitoring locations' basic information such as EMS ID, name, description, and the date the monitoring location was established
    - **Easiest method:** Look at maps to see monitoring locations in the Shuswap [HERE](#)
  2. Click on **data results** and make selections for **data**, **locations**, and **parameter**.  
Make sure you click **results box**. You don't have to select all the boxes; the key ones are EMS ID, start date and end date, and parameter.
- Click on the ellipsis (...) for a menu.**
3. Click on **retrieve** at the bottom of the screen. Click on **download data** for the list of files generated.

## Graphs

The EMS WR is equipped with pre-formatted graphs for historical trends, and exceedances of water quality guidelines or standards.

Choose your **EMS ID**, the **parameter** of interest, and choose the default **entire history of the selected parameter**. The exceedance graph will require you to choose the last recorded sample, or enter a specific sample date.



## Reports

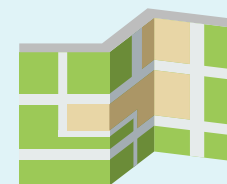
Pre-formatted reports are generated in .pdf format for either detailed results, or historical statistics. For either one, choose your **EMS ID**, the **parameter** of interest, the **start date** and **end date** and then click **next**. Click on **list of generated reports** to access your report.





### More tips for using EMS WR

- In **Monitoring Locations** tab, enter a name with % on either side to retrieve all locations with that word in the name (e.g., %shuswap%)
- When navigating the EMS WR, you need to know what type of information to search:
  - o EMS ID for each monitoring location
  - o Date the monitoring location was established, if you want to retrieve the oldest water quality data for that location. Appendix I (beginning on page 5 of this user-guide) lists the EMS IDs and dates of Shuswap monitoring locations.
- Rather than using the back arrow button in your browser, click on main menu (using the back arrow sometimes brings up an error screen; if this happens, hit the refresh button)
- There is no logout button. To leave, simply close the internet browser.
- The EMS application advisor can set up monitoring groups upon request (e.g., all sites at White Lake)



## STEP 4 (OPTIONAL)

### - Use iMapBC in conjunction with EMS WR

iMapBC is an online mapping tool that allows you to explore and build maps with various layers of data, including EMS ID locations so you can visualize where monitoring takes place. Follow these steps to use iMapBC to create your own map(s) or zoom into a specific area:

- Click **HERE** to access iMapBC
1. On the left, under **Build Your Map**, click **Add Layers Now**. The Layer Catalog will open.
  2. Under **Waste**, open the dialogue box by clicking on the plus sign. Select **Environmental Monitoring Stations – Water Sites** and click OK.
    - You may need to zoom in to see the sites appear on the map
    - From this point, there are lots of tools you can experiment with such as adding additional layers, labels, or exporting a map image.

**See the maps we made of monitoring locations in the Shuswap [HERE](#).**

## Appendix 1 – Select EMS IDs in the Shuswap Watershed

EMS ID	NAME	DESCRIPTION	ESTABLISHED DATE
	<b>MARA LAKE LOCATIONS</b>		
E248455	CLUB MARA MONITORING WELL 2 - PE 7292		13-May-02
E289069	MARA LAKE RESORT TREATED SEWAGE DISCHARGE		13-Mar-12
E280757	MARA CREEK NEAR SICAMOUS	WSC	01-Jun-10
E280758	BLURTON CREEK NEAR MARA	WSC	01-Jun-10
E284949	SHUSWAP RIVER UPSTREAM MARA LAKE	Federal/Provincial monitoring station on Shuswap River, 6.5 km u/s Mara Lake. Sampled on upstream side of Rosemond Lake Rd Bridge in the community of Mara.	10-Feb-11
E233525	MARA LK OFF SWANSEA PT	From Sicamous drive south on Hwy 97 turn right on Swansea Pt. Road and launch at public boat launch. Boat south of Swansea Point to middle of lake where it opens up. Deep Site	20-Aug-98
E262229	MARA PROVINCIAL PARK WELL	No details available as to the exact location of the well.	23-Mar-05
E282414	MARA LAKE @ 704 SWANBEACH RD	Algae Tile Project in 3 m of water at Barry Beardsell's place	28-Jun-10
E282415	MARA LAKE @ SOUTH HYDE MT	Algae Tile Project in 3 m of water	28-Jun-10
0500451	MARA L EAST MOUTH SHUSWAP R.	IN LINE WITH BOAT LAUNCHING RAMP ON EAST AND PEAK OF CUT FOR RAILROAD ON WEST. DEPTH 7 FATHOMS.	30-Nov-84
E245524	SICAMOUS CREEK BELOW HIGHWAY 97A ABOVE MARA LAKE		06-Sep-01
E248456	CLUB MARA DOMESTIC WELL - PE 7292		13-May-02
E262169	OUR PLACE ON MARA WELL	No details provided on exact location.	23-Mar-05
E280754	LARCH HILLS CREEK NEAR MARA	WSC	01-Jun-10
E280761	PTARMIGAN CREEK NEAR MARA	WSC	01-Jun-10
E273605	JOHNSON CREEK @ HWY 97A NEAR MARA LAKE	potential CABIN site	18-Sep-08
E285689	MARA SOUTH OFF KINGBAKER C		21-Apr-11
0500128	MARA LAKE OPPOSITE FOSSETT	CENTER OF LAKE 1 MI N OF NARROW SECTION-IN LINE WITH LOOKOUT SIGN ON HWY AND ROCK EXP ON W SIDE ABOVE RLWY TRACKS, CS-L-9	30-Nov-84
E240741	MARA LAKE CORE 99 07	Lake sediment core from about 10 m depth, 200 m south of Swansea Point and about 100 m north east of the public wharf	02-Mar-00
E248453	CLUB MARA BACKGROUND WELL - PE 7292		13-May-02
E282411	MARA LAKE @ SOUTH BLACK POINT - HURRICANE BAY	Algae Tile Project in 3 m of water	28-Jun-10
605124	CANA-MARA TRAILER PARK EAST OF DREW	CANNISTER IS ON A FENCE JUST OUTSIDE MANAGERS OFFICE ABOUT 4 MI EAST OF MALAKWA	30-Nov-84
E224156	ROGERS CR U/S MARA LAKE CWS		29-Nov-96
E280759	JOHNSON CREEK NEAR MARA	WSC	01-Jun-10
E280762	BONGARD CREEK NEAR MARA	WSC	01-Jun-10
E280770	MARA LAKE NEAR SICAMOUS	WSC	01-Jun-10
0500069	SHUSWAP R @ MARA BRIDGE	SAMPLED APPROX 1 MILE UPSTREAM OF MARA LK FROM MARA ROAD BRIDGE	30-Nov-84
E221567	PS-13046 MARATEK ENVIRONMENTAL STORAGE	N/A	22-Feb-95

EMS ID	NAME	DESCRIPTION	ESTABLISHED DATE
E244475	MARA LAKE CORE 99 05	Lake sediment core from about 10 m depth, 200 m south east of the mouth of Hummingbird Creek	02-Mar-00
E248454	CLUB MARA MONITORING WELL 1 - PE 7292		13-May-02
E262232	CLUB MARA RESORT WELL	No details available as to the exact location of the well.	23-Mar-05
E273606	BLURTON CREEK AT HWY 97A NEAR MARA LAKE	potential CABIN site	18-Sep-08
E292404	MARA LOWLIFT PUMPHOUSE RAW WATER		05-Feb-13
E282412	MARA LAKE @ 8909 SWANSHORE DRIVE	Algae Tile Project in 3 m of water at Attilio Pasutto's place	28-Jun-10
E282413	MARA LAKE @ 709 SWANBEACH RD	Algae Tile Project in 3 m of water at Katy Farquharson's place	28-Jun-10
E224154	HUMMINGBIRD CR U/S MARA LAKE CWS		29-Nov-96
E283494	MARA LK AT HUMMINGBIRD CREEK	This site is located in the outflow of Hummingbird Creek.	15-Sep-10
E282410	MARA LAKE @ EAST SIDE OF TURTLE BAY	Algae Tile Project in 3 m of water	28-Jun-10
	<b>SALMON RIVER LOCATIONS</b>		
E230797	SALMON RIVER @ LAPIERRE FARM	Automated station downstream of bridge crossing Salmon River at Lapierre's Farm. Head S on Shaw Rd ~3 kms SE of Falkland or 2.5 kms SE of Silvernails Rd off of Hwy #97 to Lapierre's Farm.	23-Feb-98
E280802	SALMON RIVER ABOVE ADELPHI CREEK	Water Survey of Canada	01-Jun-10
E280858	SALMON RIVER ABOVE FOWLER CREEK	Water Survey of Canada	01-Jun-10
E280857	SALMON RIVER ABOVE KERNAGHAN CREEK	Water Survey of Canada	01-Jun-10
E282109	SALMON RIVER ABOVE SALMON LAKE	Water Survey of Canada	01-Jun-10
E280074	SALMON RIVER AT FALKLAND	Water Survey of Canada	01-Jun-10
E280841	SALMON RIVER AT GLENEMMA	Water Survey of Canada	01-Jun-10
E206095	SALMON RIVER AT HAINES ROAD	SALMON RIVER 50 METERS DOWNSTREAM OF HAINES ROAD BRIDGE, AT SILVER CREEK	21-Jan-85
E206092	SALMON RIVER AT HWY #1 BRIDGE FRBC	SALMON RIVER 5 METERS UPSTREAM OF SALMON VALLEY ROAD BRIDGE NEAR HIGHWAY #1	21-Jan-85
E206097	SALMON RIVER AT JOHNSON ROAD	SALMON RIVER 10 METERS BELOW JOHNSON ROAD BRIDGE	21-Jan-85
E280859	SALMON RIVER BELOW SILVER CREEK	Water Survey of Canada	01-Jun-10
E206096	SALMON RIVER D/S 70TH AVE BRIDGE	SALMON RIVER 150 METERS DOWNSTREAM OF 70TH AVE BRIDGE, BELOW FARM FEEDLOT	21-Jan-85
E206093	SALMON RIVER D/S OF CATTLE CULVERT	SALMON RIVER AT FARM BRIDGE 30 METERS BELOW FEEDLOT WITH CULVERT FOR CATTLE ACCESS TO RIVER, NEAR HIGHWAYS BOUNDARY	21-Jan-85
E206091	SALMON RIVER D/S SILVER CREEK FRBC	SALMON RIVER 10 METRES UPSTREAM OF ROAD BRIDGE BELOW THE COMMUNITY OF SILVER CREEK	21-Jan-85
E280839	SALMON RIVER NEAR DOUGLAS LAKE	Water Survey of Canada	01-Jun-10
E280840	SALMON RIVER NEAR FALKLAND	Water Survey of Canada	01-Jun-10
E280866	SALMON RIVER NEAR GLENEMMA	Water Survey of Canada	01-Jun-10
E280075	SALMON RIVER NEAR SALMON ARM	Water Survey of Canada	01-Jun-10
E280836	SALMON RIVER NEAR WESTWOLD	Water Survey of Canada	01-Jun-10
E206086	SALMON RIVER U/S ADELPHI CREEK	SALMON RIVER 50 METRES UPSTREAM OF ADELPHI CREEK, ACCESS THRU FARM AT 8 KM ON DOUGLAS LAKE ROAD	21-Jan-85
E206087	SALMON RIVER U/S FALKAND	SALMON RIVER UPSTREAM OF HIGHWAY 97 BRIDGE WEST OF FALKAND	21-Jan-85
E206089	SALMON RIVER U/S GLENEMMA	SALMON RIVER 10 METRES UPSTREAM OF HIGHWAY 97 BRIDGE ABOVE GLENEMMA	21-Jan-85



EMS ID	NAME	DESCRIPTION	ESTABLISHED DATE
E206084	SALMON RIVER U/S MCINNIS CREEK	SALMON RIVER AT FIRST FARM BRIDGE UPSTREAM OF CONFLUENCE WITH MCINNIS CREEK	21-Jan-85
E206094	SALMON RIVER U/S OF WEYMAN CREEK	SALMON RIVER 5 METERS UPSTREAM OF FIRST DOUGLAS LAKE ROAD BRIDGE, ABOVE WEYMAN CREEK	21-Jan-85
E206090	SALMON RIVER U/S SILVER CREEK	SALMON RIVER 10 METRES UPSTREAM OF ROAD BRIDGE ABOVE COMMUNITYOF SILVER CREEK	21-Jan-85
E262221	SALMON RIVER WELL	No details provided as to exact location of the well.	23-Mar-05
1130003	SALMON RIVER, VALLEY #1	SALMON RIVER NEAR SHUSWAP LAKE	30-Nov-84
1130002	SALMON RIVER, VALLEY #10	KERNAGHAN CREEK AT OR BELOW GAUGE 8LE B03 NEAR ELEVATION 1300 FEET	30-Nov-84
1130004	SALMON RIVER, VALLEY #2	SALMON R. ABOVE KERNAGHAN CR. ST.NO.8LE088, NEAR ELEVATION 1150 FEET	30-Nov-84
1130011	SALMON RIVER, VALLEY #3	PALMER CREEK NEAR ELEVATION 1500, STREAM GAUGE 8LE072	30-Nov-84
1130009	SALMON RIVER, VALLEY #4	SALMON RIVER ABOVE GORDON CREEK	30-Nov-84
1130006	SALMON RIVER, VALLEY #7	PALMER CR NEAR ELEVATON 1200 FT. (FLUME)	30-Nov-84
1130005	SALMON RIVER, VALLEY #9	GORDON CREEK AT OR BELOW GAUGE 8LE B02 NEAR ELEVATION 1400 FEET	30-Nov-84
1130001	SALMON RIVER, VALLEY 6	PALMER CREEK AT OR BELOW GAUGE 8LE B01 NEAR ELEVATION 1700 FEET	30-Nov-84
	<b>SHUSWAP LAKE LOCATIONS</b>		
E262177	SHUSWAP FALLS RV RESORT-WELL NO.1	No details provided on exact location.	23-Mar-05
E262178	SHUSWAP FALLS RV RESORT-WELL NO.2	No details provided on exact location.	23-Mar-05
E262179	SHUSWAP FALLS RV RESORT-WELL NO.3	No details provided on exact location.	23-Mar-05
E282851	SHUSWAP LAKE - SORRENTO @ NEWSOME CREEK	In front of Norm & Bev Martin's 250-675-2897	26-Jul-10
E282481	SHUSWAP LAKE @ ANNIS BAY SECCHI SITE # 112	Shuswap Algae Tile Project	02-Jul-10
E282483	SHUSWAP LAKE @ CANOE WHARF SECCHI SITE # 106	Shuswap Algae Tile Project	02-Jul-10
E282475	SHUSWAP LAKE @ INDIGO BAY	Shuswap Algae Tile Project	02-Jul-10
E282850	SHUSWAP LAKE @ MAGNA BAY	Ed Goyan 250-955-0014 6716 Squilax-Anglemont Hwy	26-Jul-10
E282476	SHUSWAP LAKE @ SARITOGA	Shuswap Algae Tile Project	02-Jul-10
E282478	SHUSWAP LAKE @ SECCHI SITE 51	Shuswap Algae Tile Project	02-Jul-10
E282480	SHUSWAP LAKE @ SKY BLUE WATERS BETWEEN SITES 86 & 87	Shuswap Algae Tile Project	02-Jul-10
E282479	SHUSWAP LAKE @ WATER INTAKE FOR SHUSWAP L ESTATES	Shuswap Algae Tile Project	02-Jul-10
E282484	SHUSWAP LAKE @ WILD ROSE BAY EAST NEAR SECCHI SITE # 65	Shsuwap Algae Tile Project	02-Jul-10
E263505	SHUSWAP LAKE 100M EAST OF STP IDZ	100m North of STP discharge in Salmon Arm Bay.	11-Jul-06
E263504	SHUSWAP LAKE 100M N IDZ	100m North of STP discharge in Salmon Arm Bay.	11-Jul-06
E280079	SHUSWAP LAKE AT CANOE	Water Survey of Canada	01-Jun-10
E263503	SHUSWAP LAKE AT CITY OF SALMON ARM STP DISCHARGE	10 m downstream of STP discharge in Salmon Arm Bay.	11-Jul-06
E280846	SHUSWAP LAKE AT SALMON ARM	Water Survey of Canada	01-Jun-10
E280847	SHUSWAP LAKE AT SEYMOUR ARM	Water Survey of Canada	01-Jun-10

EMS ID	NAME	DESCRIPTION	ESTABLISHED DATE
E282477	SHUSWAP LAKE BETWEEN SECCHI SITES 46 & 47	Shuswap Algae Tile Project	02-Jul-10
E282486	SHUSWAP LAKE E OF MCBRIDE PT & W OF EAGLE RD SITES # 55 & 56	Shuswap Algae Tile Project	02-Jul-10
E282482	SHUSWAP LAKE EAST OF CANOE BETWEEN SECCHI SITES 108 & 109	Shuswap Algae Tile Project	02-Jul-10
E220685	SHUSWAP LAKE ESTATES (PE-11905) SPRAY IRRIGATION	Outfall from Second lagoon cell	24-Jun-94
E280830	SHUSWAP LAKE NEAR SICAMOUS	Water Survey of Canada	01-Jun-10
E280825	SHUSWAP LAKE NEAR SORRENTO	Water Survey of Canada	01-Jun-10
E292394	SHUSWAP LAKE PARK DAY USE BUILDING IN GRAVEL PARKING LOT		05-Feb-13
E292395	SHUSWAP LAKE PARK GROUP SITE TAP		05-Feb-13
E292393	SHUSWAP LAKE PARK SERVICE BUILDING		05-Feb-13
E292400	SHUSWAP LAKE PARK STANDPIPE TAP AT LAKE ROAD & CARP LANE		05-Feb-13
E292397	SHUSWAP LAKE PARK TAP NEAR CAMPSITE #146		05-Feb-13
E292396	SHUSWAP LAKE PARK TAP NEAR CAMPSITE #47		05-Feb-13
E292398	SHUSWAP LAKE PARK TAP NEAR SITE #19		05-Feb-13
E292399	SHUSWAP LAKE PARK TAP NEAR SITE #8		05-Feb-13
E292403	SHUSWAP LAKE PROV. PARK DAY-USE BEACH		05-Feb-13
E292402	SHUSWAP LAKE PROVINCIAL PARK - CAMPGROUND BEACH		05-Feb-13
E265202	SHUSWAP LAKE RESORT (PE 11194) SEWAGE OUTFALL	Municipal Sewage discharge	04-Jan-07
E282849	SHUSWAP LAKE WEST OF ARMSTRONG POINT	Near Secchi Site #62 Len Redekop 250-675-2060	26-Jul-10
E282485	SHUSWAP LAKE WEST OF EAGLE BAY - REID RD	Shuswap Algae Tile Project	02-Jul-10
0500557	SHUSWAP LK - BLIND BAY CONT.	SMALL BAY ON SOUTH SIDE OF LAKE WEST OF CINNEMOUSUN NARROWS. FIRST BAY W.OF WILD ROSE BAY AND 2ND E. OF LIGHTHOUSE	30-Nov-84
0500556	SHUSWAP LK - BLIND BAY N.W.	AT N.W.CORNER OF BLIND BAY AT ENTRANCE TO SMALL BOAT DOCK BAY	30-Nov-84
0500555	SHUSWAP LK - BLIND BAY S.E.	IMMEDIATELY SOUTH OF BLIND BAY MARINA, ABOUT 15 METERS OFF SHORE	30-Nov-84
E208729	SHUSWAP LK AT ANGEMONT	SAMPLE IN SHALLOW WATER AT ANGLEMONT	28-May-90
E221478	SHUSWAP LK AT ANNIS BAY	Sample in shallow water in middle of bay	18-Jan-95
E208728	SHUSWAP LK AT BASTION BAY	SAMPLE IN SHALLOW WATER AT BASTION BAY	28-May-90
0500252	SHUSWAP LK AT BLIND BAY	CENTER OF BAY 1000 FT.S.W. OF BROWN CABIN. IN LINE BETWEEN SHUSWAP MARINA AND DIP IN HILL ON N.E.SIDE OF BAY	30-Nov-84
E208725	SHUSWAP LK AT CANOE	SAMPLE IN SHALLOW WATER NEAR CANOE PUBLIC BEACH	28-May-90
E208732	SHUSWAP LK AT CELISTA	SAMPLE IN SHALLOW WATER AT CELISTA	28-May-90
E208719	SHUSWAP LK AT CINNEMOUSUN NARROWS	SAMPLE AT THE NARROWS IN ABOUT 30 M OF WATER	28-May-90
E208730	SHUSWAP LK AT EAGLE BAY	SAMPLE IN SHALLOW WATER AT EAGLE BAY	28-May-90



EMS ID	NAME	DESCRIPTION	ESTABLISHED DATE
E208727	SHUSWAP LK AT HERALDS BAY	SAMPLE IN SHALLOW WATER IN HERALDS BAY	28-May-90
E227530	SHUSWAP LK AT HORSESHOE BAY	Sample from boat in shallow water, at east side of Horseshoe Bay at the Provincial Park	05-Aug-97
E208731	SHUSWAP LK AT MAGNA BAY	SAMPLE IN SHALLOW WATER AT MAGNA BAY	28-May-90
0500685	SHUSWAP LK AT S. MALLARD PT.	SALMON ARM BAY ABOUT 1 KM NORTH OF RED BOUY AND NORTH OF STATION 127 IN WATER DEPTH OF 22 M.	30-Nov-84
E208733	SHUSWAP LK AT SCOTCH CK	SAMPLE IN SHALLOW WATER AT SCOTCH CK	28-May-90
E208734	SHUSWAP LK AT SORRENTO	SAMPLE IN SHALLOW WATER AT SORRENTO	28-May-90
E222131	SHUSWAP LK AT WILD ROSE BAY	Sample at east end of bay, in shallows	12-Sep-95
0500186	SHUSWAP LK D/S RUCKELL PT	CENTER OF LAKE IN LINE WITH HIGHEST POINTS OF LAND ON N AND S SIDES - 2 MI W OF RUCKELL POINT, CS-L-15	30-Nov-84
E242918	SHUSWAP LK EAST OF PARK	Launch at Scotch Creek Provincial Park. Go northeast several 100 m and sample in shallow water in front of houses, (Saratoga Road)	24-Oct-00
E208723	SHUSWAP LK OFF ARMSTRONG PT	SAMPLE IN DEEPEST WATER OFF OF ARMSTRONG PT	28-May-90
E208721	SHUSWAP LK OFF BROKEN PT	SAMPLE IN MIDDLE OF CHANNEL OFF OF BROKEN PT	28-May-90
E208718	SHUSWAP LK OFF CANOE PT	SAMPLE OFF OF CANOE PT IN ABOUT 40M OF WATER	28-May-90
E208722	SHUSWAP LK OFF ENCOUNTER PT	SAMPLE IN DEEPEST WATER OFF OF BROKEN PT	28-May-90
E208724	SHUSWAP LK OFF MCBRIDE PT	SAMPLE IN DEEPEST WATER OFF OF MCBRIDE PT	28-May-90
0500127	SHUSWAP LK OPP. SALMON ARM	CENTER OF SALMON ARM BAY 1 MI N OF RED BUOY-IN LINE WITH V NOTCH ON MTN ON W SIDE AND 1ST EW ROAD ON E SIDE, CS-L-8	30-Nov-84
0500124	SHUSWAP LK OPPOSITE MARBLE PT.	CENTER OF LAKE IN LINE WITH LIGHTHOUSE ON E SIDE AND LOWEST PTOF CURVED RIDGE ON W SIDE, CS-L-5	30-Nov-84
E262641	SHUSWAP LK PROV PARK MW1	3 inch diameter PVC monitoring well at Group Camping Area in Shuswap Lake Provincial Park	05-Apr-06
E262642	SHUSWAP LK PROV PARK MW2	3 inch diameter PVC monitoring well at Camper Registration Kiosk in Shuswap Lake Provincial Park	05-Apr-06
E206767	SHUSWAP LK TB # 1	NORTHEAST END TAPPEN BAY ABOUT 200 M OUT FROM LARGE ROCK NEAR SUNNYBRAE PROVINCIAL PARK, IN 20-25 M WATER	16-Sep-86
E206768	SHUSWAP LK TB # 2	NORTHWEST END OF TAPPEN BAY ABOUT 150 M OPPOSITE NORTHERN COTTAGE SUBDIVISION	16-Sep-86
E206769	SHUSWAP LK TB # 3	AT MOUTH OF TAPPEN BAY MIDWAY BETWEEN ENGINEER'S POINT AND SUNNYBRAE, IN 30-35 M OF WATER	16-Sep-86
E206770	SHUSWAP LK TB # 4	IN SOUTHEAST END OF TAPPEN BAY IN SHALLOWS OPPOSITE DOWNTOWN SALMON ARM	16-Sep-86
E206771	SHUSWAP LK TB # 5	IN SOUTHWEST END OF TAPPEN BAY IN DEEP HOLE OPPOSITE SANDY POINT, IN 30 M OF WATER	16-Sep-86
E207579	SHUSWAP LK TB #6	About one-third across channel of lake directly off Canoe's public wharf, in about 30 m of water	27-Jul-88
0500123	SHUSWAP LK WEST OF SORRENTO	CENTER OF LK IN LINE WITH WHITE BUILDINGS ON S SIDE 0.5 MI W OF SORRENTO AND PT OF LAND ON SCOTCH CR 1.R ON N SIDE, CS-L-4	30-Nov-84
0500183	SHUSWAP LK. S.E. SANDY PT	SALMON ARM-IN LINE WITH SHELL SIGN AT SANDY PT AND BUOY IN BAY-1500 FT S OF SANDY POINT, CS-L-12	30-Nov-84
	<b>SHUSWAP RIVER LOCATIONS</b>		
0500069	SHUSWAP R @ MARA BRIDGE	SAMPLED APPROX 1 MILE UPSTREAM OF MARA LK FROM MARA ROAD BRIDGE	30-Nov-84
0500759	SHUSWAP R @ MOUTH MABEL L (PE00173)	SHUSWAP R NEAR RIGHT BANK WHERE ROAD FROM SHUSWAP FALLS NEARS THE RIVER AND MABEL L. SITE D/S LUMBY STP AND SEVERAL SAWMILLS	20-Sep-90
0500068	SHUSWAP R @ OUTLET MABEL L	SAMPLED AT OUTLET OF MABEL LAKE	30-Nov-84
0900359	SHUSWAP R ABOVE DAM @ SHUSWAP FALLS	SITE AT SHUSWAP FALLS DAM ABOVE FALLS-10M	30-Nov-84

EMS ID	NAME	DESCRIPTION	ESTABLISHED DATE
0500070	SHUSWAP R AT SICAMOUS BR	SAMPLE FROM RAILWAY BRIDGE OVER SICAMOUS NARROWS	30-Nov-84
0900360	SHUSWAP R DNS DAM SHUSWAP FALLS	SITE BELOW SHUSHWAP FALLS DAM AT END OF FINLIASON RD. DOWNSTREAM OF POWERHOUSE	30-Nov-84
0500071	SHUSWAP R NEAR OUTLET SUGAR LAKE	SAMPLED AT ROAD BRIDGE APPROX 3/4 MI. UPSTREAM OF CONFLUENCE WITH REITER CK	30-Nov-84
0500498	SHUSWAP R -PE203 D/S STP	SAMPLED APPROX. 100 M. D/S OF STP OUTFALL - REPLACED BY E206941	30-Nov-84
0500497	SHUSWAP R -PE203 U/S STP	SAMPLED APPROX. 100 M. U/S OF STP OUTFALL	30-Nov-84
0500072	SHUSWAP R UPS SUGAR L	SAMPLED AT INLET TO SUGAR LAKE	30-Nov-84
E206941	SHUSWAP R. D/S PE0203 APR 87	APPROX. 200 M D/S PE0203 - REPLACES 0500498	23-Apr-87
1111001	SHUSWAP RIVER	TWO KILOMETRES DOWNSTREAM OF KINGFISHER CREEK	30-Nov-84
E287112	SHUSWAP RIVER @ BC HYDRO REC SITE ON HWY-6	at BC Hydro Rec Site off of Hwy-6 Between Cherryville and Shuswap Falls	18-Sep-11
E285531	SHUSWAP RIVER @ CLIFF AVE BRIDGE (ENDERBY)	Approx. 200m d/s of Fortune Creek and sampled on u/s side of bridge in Enderby.	07-Apr-11
E285532	SHUSWAP RIVER @ HWY 97A BRIDGE (GRINDROD)	Sampled at u/s side of bridge in the centre of the main channel.	07-Apr-11
E285530	SHUSWAP RIVER @ TRINITY VALLEY RD BRIDGE	Approx. 1.2km u/s of Ashton Creek and sampled on u/s side of bridge.	07-Apr-11
E280752	SHUSWAP RIVER AT OUTLET OF MABEL LAKE	Water Survey of Canada	01-Jun-10
E280072	SHUSWAP RIVER AT OUTLET OF SUGAR LAKE RESERVOIR	Water Survey of Canada	01-Jun-10
E280765	SHUSWAP RIVER BELOW SKOOKUMCHUCK RAPIDS	Water Survey of Canada	01-Jun-10
E280070	SHUSWAP RIVER NEAR ENDERBY	Water Survey of Canada	01-Jun-10
E280071	SHUSWAP RIVER NEAR LUMBY	Water Survey of Canada	01-Jun-10
E287111	SHUSWAP RIVER OPPOSITE WATERSHED RD	Canoe access point opposite watershed rd off of Enderby-Mabel Lake Rd.	18-Sep-11
E287113	SHUSWAP RIVER U/S SPECTRUM CREEK	Sampled u/s Sugar-Eastside Rd bridge. d/s Monashee Prov. Park. Benthic site.	18-Sep-11
E284949	SHUSWAP RIVER UPSTREAM MARA LAKE	Federal/Provincial monitoring station on Shuswap River, 6.5 km u/s Mara Lake. Sampled on upstream side of Rosemond Lake Rd Bridge in the community of Mara.	10-Feb-11
1111002	SHUSWAP RIVER, #2	IN ENDERBY AT CLIFF ST BRIDGE	30-Nov-84

