

## PLACES I HAVE STUDIED OR HELPED STUDY

I have worked on fish habitat at close to 100 different places in British Columbia during my career, most of them on the coast but also quite a few in the Fraser River system. Some of them I visited only once and others many times. Some locations I visited on one occasion only because in my job as an applied scientist I was sometimes asked to check out a specific location to give an opinion on fish habitat damage. Places like Crabapple Creek estuary on Haida Gwaii, where there was a chronic oil leakage issue would be an example where I made only qualitative observations on a single trip. Bonsall Creek estuary on Vancouver Island was an example of an estuary I visited only twice and also conducted a short quantitative study at the area. The first visit was a reconnaissance trip to view the extent of the problem – in this case an excessive sedimentation issue. The second visit was an intensive benthic sampling blitz over a few hours – using a Coast Guard hovercraft from YVR following a bumpy trip across the Strait of Georgia. Other locations were areas of intensive multi year research on other specific fish habitat issues. Examples include work at the Nicola-Coldwater River system looking at juvenile salmonid off channel habitat in winter, Campbell River estuary studies examining the role of the estuary in Chinook juvenile to adult survival, work in the Broughton Archipelago looking at aquaculture-environment interactions, and studies evaluating the restoration of marsh habitat in the Fraser River estuary. In all the studies I was very grateful for the time spent with colleagues working with me. It would have been impossible to conduct the work without their guidance and assistance in some very tough field situations.

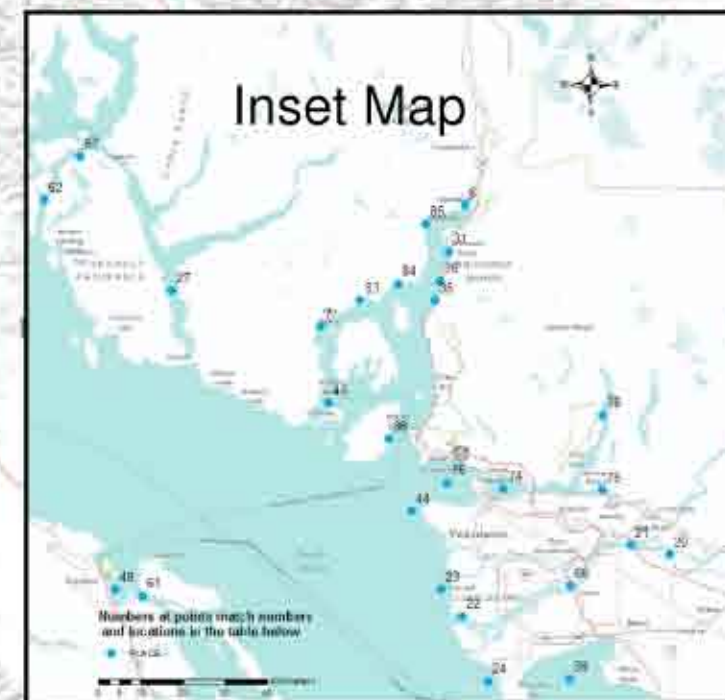
The map below shows the location of the various places where I have worked. Also given below is a table which links the numbers on the map with a place name and its latitude and longitude. To view a place in Google map paste the coordinates into the search function in itouchmap or a similar app. I am very grateful to Brad Mason for developing the map.

| Place_No | Place                    | LAT      | LONG       |
|----------|--------------------------|----------|------------|
| 1        | Skidegate Inlet          | 53.27904 | -131.90501 |
| 2        | Quatse River estuary     | 50.70847 | -127.48322 |
| 3        | Cowichan estuary         | 48.74948 | -123.60842 |
| 4        | Skwawka River estuary    | 50.21174 | -123.98756 |
| 5        | Klinaklini River estuary | 51.09491 | -125.61246 |
| 6        | Squamish River estuary   | 49.68992 | -123.17315 |
| 7        | Rainy River estuary      | 49.52209 | -123.48053 |
| 8        | Swanson Bay              | 53.01230 | -128.51200 |
| 9        | Cousins Inlet            | 52.35074 | -127.69958 |
| 10       | Campbell River estuary   | 50.04385 | -125.25965 |
| 11       | Alberni Inlet            | 49.20186 | -124.82006 |
| 12       | Nicola River             | 50.14738 | -120.91840 |
| 13       | Coldwater River          | 49.70002 | -121.01041 |
| 14       | Spences Bridge           | 50.42707 | -121.31867 |
| 15       | Prince George            | 53.91614 | -122.69994 |
| 16       | Quesnel                  | 52.98370 | -122.50332 |
| 17       | Rosedale                 | 49.20394 | -121.77880 |
| 18       | Harrison River           | 49.25081 | -121.93979 |
| 19       | Nicomien Island          | 49.14233 | -122.18115 |
| 20       | Surrey Bend              | 49.20664 | -122.73629 |
| 21       | Port Mann                | 49.21931 | -122.82109 |
| 22       | Steveston                | 49.12097 | -123.17881 |
| 23       | Sturgeon Bank            | 49.15769 | -123.22327 |
| 24       | Roberts Bank             | 49.02999 | -123.12302 |
| 25       | Herrljng Island          | 49.22973 | -121.69022 |
| 26       | Nechako River            | 54.01645 | -124.02049 |
| 27       | Sechelt Inlet            | 49.57223 | -123.79679 |
| 28       | Neroutsos Inlet          | 50.42341 | -127.49157 |
| 29       | Simoom Sound             | 50.85288 | -126.49720 |
| 30       | Clio Channel             | 50.58645 | -126.41179 |
| 31       | Brittania Creek estuary  | 49.62503 | -123.20744 |
| 32       | Bonsall Creek estuary    | 48.89711 | -123.68067 |
| 33       | Juan de Fuca Strait      | 48.38668 | -124.28752 |
| 34       | Crofton                  | 48.86426 | -123.64110 |
| 35       | Porteau Creek estuary    | 49.55805 | -123.23590 |
| 36       | Furry Creek estuary      | 49.58499 | -123.22560 |
| 37       | Turnour Bay              | 50.58677 | -126.45710 |
| 38       | Bowen Island             | 49.36681 | -123.33546 |
| 39       | Boundary Bay             | 49.03346 | -122.95094 |
| 40       | Discovery Passage        | 50.02540 | -125.22046 |
| 41       | Baynes Sound             | 49.53586 | -124.84808 |
| 42       | Saanich Inlet            | 48.61700 | -123.49876 |

|    |                           |          |            |
|----|---------------------------|----------|------------|
| 43 | Hecate Strait             | 53.08758 | -130.98243 |
| 44 | Point Grey                | 49.26700 | -123.28485 |
| 45 | Yakoun River estuary      | 53.66464 | -132.20968 |
| 46 | Cape Lazo                 | 49.61389 | -124.80073 |
| 47 | Keats Island              | 49.41675 | -123.46234 |
| 48 | Castlegar                 | 49.31994 | -117.64989 |
| 49 | Nanaimo                   | 49.15780 | -123.91741 |
| 50 | Stone Creek               | 53.63720 | -122.66884 |
| 51 | Goldpan                   | 50.34804 | -121.38940 |
| 52 | Martel                    | 50.48166 | -121.30159 |
| 53 | Menzies Bay               | 50.13626 | -125.38782 |
| 54 | Douglas Channel           | 53.59197 | -128.85776 |
| 55 | Sir Edmund Bay            | 50.83106 | -126.59432 |
| 56 | Toquart Bay               | 49.01340 | -125.36019 |
| 57 | Deep Bay                  | 50.15892 | -125.33838 |
| 58 | Kitimat River estuary     | 53.99572 | -128.66749 |
| 59 | Ridley Island             | 54.23583 | -130.33177 |
| 60 | Cultus Lake               | 49.05800 | -121.98496 |
| 61 | Northumberland Channel    | 49.14902 | -123.86006 |
| 62 | Agamemnon Channel         | 49.69657 | -124.06886 |
| 63 | Kent Island               | 50.90828 | -127.54217 |
| 64 | Keough River              | 50.67799 | -127.34864 |
| 65 | Esquimalt                 | 48.43305 | -123.42874 |
| 66 | Annacis Island            | 49.16326 | -122.94817 |
| 67 | Jervis Inlet              | 49.75687 | -123.99237 |
| 68 | Bute Inlet                | 50.70353 | -124.87622 |
| 69 | Prince Rupert             | 54.32145 | -130.32013 |
| 70 | Powell River              | 49.87087 | -124.56453 |
| 71 | Bamfield                  | 48.83264 | -125.13807 |
| 72 | Bella Coola River estuary | 52.38093 | -126.77762 |
| 73 | Tofino                    | 49.15534 | -125.90516 |
| 74 | Vancouver harbour         | 49.29779 | -123.09018 |
| 75 | Port Moody                | 49.29600 | -122.87938 |
| 76 | Outer Burrard Inlet       | 49.30630 | -123.21172 |
| 77 | Toba River estuary        | 50.48848 | -124.37606 |
| 78 | Indian River estuary      | 49.39978 | -122.87938 |
| 79 | Porpoise Harbour          | 54.23866 | -130.30580 |
| 80 | Gowlland Island           | 50.06311 | -125.23523 |
| 81 | Somass River estuary      | 49.24173 | -124.82718 |
| 82 | Stuart River              | 54.33302 | -124.23251 |
| 83 | McNab Creek estuary       | 49.55825 | -123.39549 |
| 84 | Potlatch Creek estuary    | 49.58125 | -123.31546 |
| 85 | Woodfibre Creek estuary   | 49.66354 | -123.25555 |

|    |                         |          |            |
|----|-------------------------|----------|------------|
| 86 | West Coast -Offshore    | 49.09547 | -126.29663 |
| 87 | Shuswap Lake            | 50.88591 | -119.44676 |
| 88 | Crabapple Creek estuary | 53.25351 | -132.11053 |
| 89 | Homathko River estuary  | 51.10278 | -125.61069 |
| 90 | Broughton Archipelago   | 50.64218 | -126.58161 |

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Numbers at points match numbers and locations in the table below

PLACE

0 50 100 200 300 400 Kilometers



Sources: USGS, ESRI, TANA, AND, Sources: Esri, DeLorme, USGS, NPS