

# Data Checks & Re-Analysis

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First check is regarding Farms w/in or outside of BATI control. This is discussed in [Item 1](#) here

## Item 1 - Farms Used in Analysis

We want to know which farms are under BATI control. The below farms printed here are all the farms that are in the .csv file that Sean provided to Cole from the Nation.

```
## [1] "Arrow Pass"      "Burdwood"      "Cecil Island"  "Cliff Bay"
## [5] "Cypress Harbour" "Doctor Islets" "Glacier Falls" "Humphrey Rock"
## [9] "Larsen Island"   "Midsummer"     "Port Elizabeth" "Potts Bay"
## [13] "Sargeaunt Pass" "Sir Edmund Bay" "Swanson"       "Upper Retreat"
## [17] "Wicklow Point"
```

There are 17 farms in the BATI dataset, but there are additional farms in the DFO data (available from the government portal) that have data after 2011, and have data from pre 2011 in the Marty dataset. The farms that are in the DFO dataset from 2011 onwards are:

```
## [1] "Arrow Pass"      "Burdwood"      "Cecil Island"  "Cliff Bay"
## [5] "Cypress Harbour" "Doctor Islets" "Glacier Falls" "Humphrey Rock"
## [9] "Larsen Island"   "Maude Island"  "Midsummer"     "Noo-la"
## [13] "Port Elizabeth"  "Potts Bay"     "Sargeaunt Pass" "Simmonds Point"
## [17] "Sir Edmund Bay"  "Swanson"       "Tsa-ya"        "Upper Retreat"
## [21] "Wa-kwa"         "Wehlis Bay"    "Wicklow Point"
```

## Farms Missing From BATI Control

So the farms that there are DFO data for, but that are not under BATI control are:

```
## [1] "Maude Island"   "Noo-la"        "Simmonds Point" "Tsa-ya"
## [5] "Wa-kwa"        "Wehlis Bay"
```

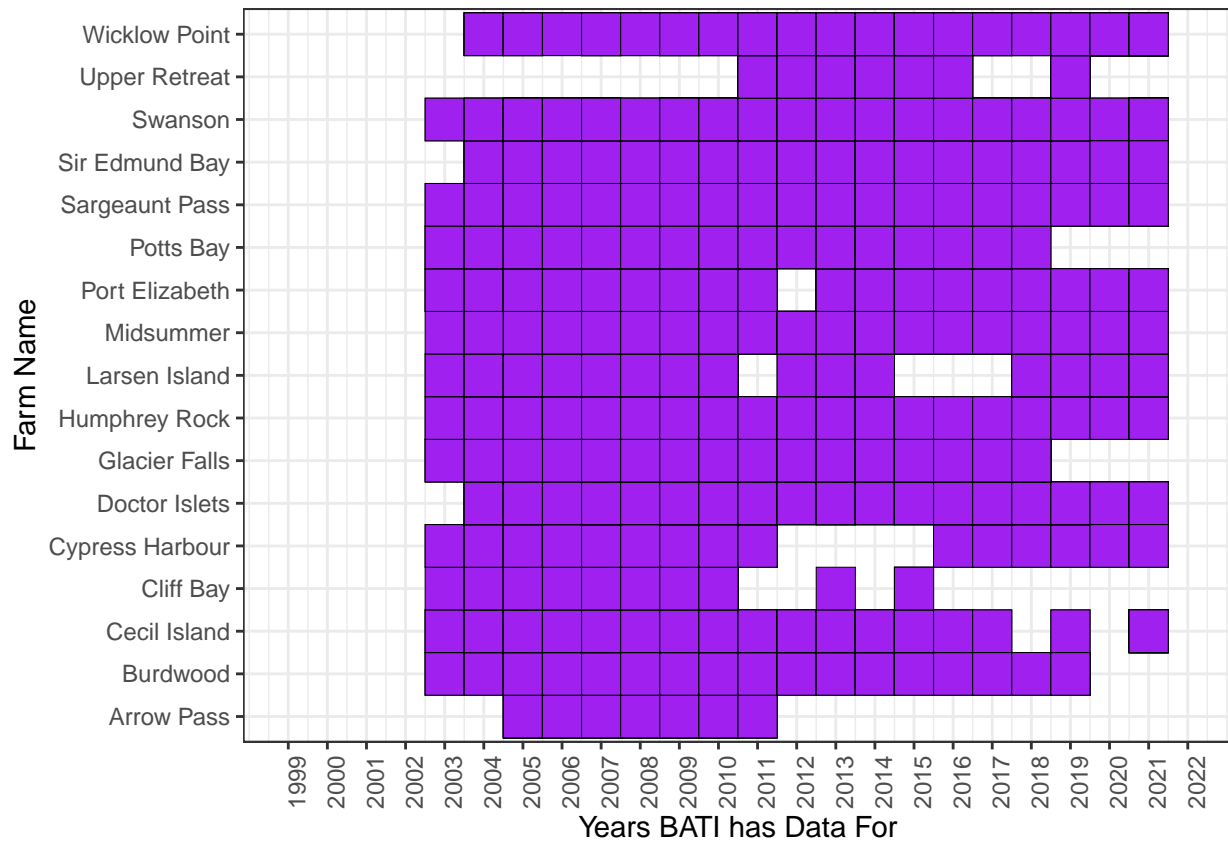
With respect the Marty (2010) dataset, most farms used in that dataset are farms that DFO has data for after 2011, but some farms don't have data past the first few years of the Marty dataset. Since nowhere in the Marty (2010) SI is there a set of common names for the farms, I named them NA\_XX for convenience. The names of the farms in the Marty dataset are:

```
## [1] Arrow Pass      Burdwood      Cecil Island  Cliff Bay
## [5] Cypress Harbour Doctors Islets Glacier Falls Humphrey Rock
## [9] Larson Island   Maude Island  Midsummer    NA_12
## [13] NA_14          NA_15        NA_7         Noo-la
## [17] Port Elizabeth  Potts Bay     Sargeaunt Pass Simmonds Point
## [21] Sir Edmund Bay  Swanson       Upper Retreat Whlis Bay
## [25] Wicklow Point
## 25 Levels: Arrow Pass Burdwood Cecil Island Cliff Bay ... Wicklow Point
```

So there are three (overlapping data sources). Their coverage is the following:

## BATI Coverage

Timeline of which farms and for which years data exists for:



## DFO Coverage:

Timeline of which farms and for which years data exists for:



### Marty Coverage:

Timeline of which farms and for which years data exists for:

