

Game Bird Solution – A FileMaker Utility and Data Viewing Application for Game Bird Summarizing Banding and Encounter Data

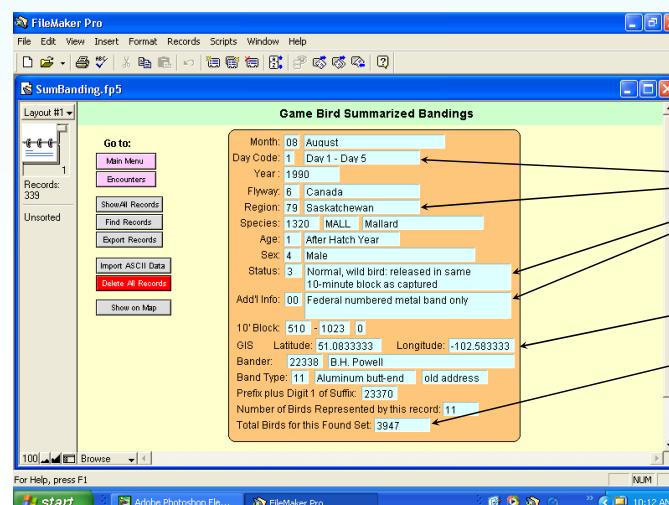
B.H. Powell, USGS-Patuxent Wildlife Research Center
 Edward J. (Jerry) McFaul, Geology Discipline, Reston

Since the early 1990s the Bird Banding Laboratory (BBL) has provided (1) Summarized Banding and (2) Encounter datasets for Game Bird data in both ASCII and dBASE formats on compact discs (CDs). In 2003 the CD was not produced as in past years and because dBASE has fallen from widespread use, this viewing and utility was converted to a FileMaker relational database. The data and lookup files collectively are referred to as the Game Bird Solution.

Taking advantage of the powerful relational database features of FileMaker, the Game Bird Solution makes use of 14 related lookup tables to translate the information coded in the BBL's numeric data code format. The Game Bird Solution can quickly generate subsets of the primary database using the "Find" feature. The resulting subset is referred to as the "Found Set".

Since the Summarized Banding dataset record can represent more than a single banding, an internal summarizing field counts all the represented bandings in the Found Set and displays the number of birds represented at the bottom of its screen.

For both Summarized Banding and Encounter datasets, the Game Bird Solution calculates the BBL 10-minute grid latitude-longitude location to decimal degrees which facilitates displaying these values on a mapping package.

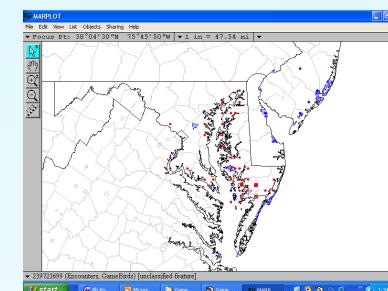


Summarized Banding Record Screen

One record = 1 to many bandings



The Game Bird Solution's main screen (shown above) provides BBL data release policy, USGS disclaimer, and provides click buttons to allow the user to enter the Summarized Banding section and Encounter section. A Banding Permits button allows the user to insert the name of the banding permittee, if the BBL failed to provide that information.



Interfacing the Game Bird Solution with the LandView mapping package can provide an interactive map display linked to the individual data record so navigation between map and data display is quick and easy.

Task bar allows for many other actions

Record control "Rolleodex" allows you to step through records

BBL numeric codes are displayed in "plain English"

Calculated Latitude-Longitude based on BBL 10-minute values

Sum of badnings in the Found Set

Lavender buttons navigate between screens

File management buttons allow the creation of subsets, viewing the entire dataset, and provides for export of selected records in a number of formats.

ASCII data may be imported in future years

Link to LandView and MARPLOT files displays the Found Set on maps

One record = 1 bird; encounter plus the associated banding record