Bulk create ENTs & ESTs

The SQL tab of the spreadsheet includes a query to facilitate populating certain columns in the spreadsheet.  Given that the purpose is to create new EST records, populating the remaining columns must be done manually with appropriate data. Hence, the columns within Sheet1 don't correspond directly to the SQL output because the query is just a tool to populate the fields that reflect existing data in the Biotics 5 database.   The last WHERE clause can be modified to use element\_global\_id or scientific\_name if desired. Run the SQL and download the results to Excel.

* First, insert a column to shift the query results to the right.  Enter the **subnation\_id** in column A.
* Insert three columns (E, F, G) after GNAME\_ID (presuming it is acceptable to use the Gname as the Sname and if not replacing with the id of the Sname to use).
  + - Column E: S\_RANK
    - Column F: S\_RANK\_CHANGE\_DATE
    - Column G: S\_ELEMENT\_INTERNAL\_NOTES
* Populate the new columns with the appropriate data for S\_RANK (column E), S\_RANK\_CHANGE\_DATE (column F) and S\_ELEMENT\_INTERNAL\_NOTES (column G).
* Determine if the record should be centrally or locally maintained.  The entry there (D\_MAINTAINED\_BY\_STATUS\_ID, column I) is just what happens to be in the ENT.  Change this to **2** for locally maintained records
* The distribution grid fields are all in one cell (NATL\_DISTRIB\_GRID\_IDS, column K) because this is the data from the ENT which may or may not apply to that EST.  Review the data and then delete column K.
* Add 6 columns:
  + column K: D\_ORIGIN\_ID
  + column L: D\_REGULARITY\_ID
  + column M: D\_DISTRIBUTION\_CONFIDENCE\_ID
  + column N: D\_CURR\_PRESENCE\_ABSENCE\_ID
  + column O: D\_POPULATION\_ID
  + column P: D\_DATA\_SENSITIVE\_ID
* Populate the new columns with the appropriate data.
* The last 8 columns: GNAME, ENT\_MT, DISTRIB\_REF, NATL\_DISTRIB\_GRID, NATION\_ID, NATN, N\_RANK, CLASSIF are merely included for confirmation.

# To update Element National Records:

Member Programs should replace ***Ticket\_xxxx*** with the appropriate Biotics login credentials of the person creating the records.

1) Add data to the ELEMENT\_NATIONAL table requires splitting the SQL into a three-step process:

Copy the following statement into column **AA**:

*="insert into element\_national (element\_national\_id, element\_global\_id, nation\_id, nname\_id, n\_rank, n\_rank\_change\_date,rounded\_n\_rank, "&"n\_element\_internal\_notes, d\_maintained\_by\_status\_id, distribution\_reference\_id, rec\_create\_user, d\_data\_sensitive\_id) values (getnextseq('ELEMENT\_NATIONAL'), "&B2&","&A2&","&C2&",'"&D2&"', "&E2&", round\_nrank('"&D2&"'),* to\_date('"&TEXT(F2, "YYYY-MM-DD")&"','yyyy-mm-dd')*,"&H2&","&I2&", '****Ticket\_xxxx****'*, "&P2&");"

**NOTE**: make sure to unquote any NULL values in string fields!

2) Add data to the TAXON\_NATIONAL table by copying the following statement into column **AB**, Row 2.  Copy from Row 2 into all other rows.

*="insert into taxon\_national (element\_national\_id,hybrid\_ind, rec\_create\_user) values ((select element\_national\_id from element\_national where nation\_id="&A2&" and element\_global\_id="&B2&"),'"&G2&"', '****Ticket\_xxxx****');"*

3) Add data to the TAXON\_NATL\_DIST table.  Because of the 255 character limit in Excel, to create the entire SQL statement requires 3 columns, so, copy the first statement into column **AC** Row 2. Copy from Row 2 into all other rows.

*="insert into taxon\_natl\_dist (taxon\_natl\_dist\_id,element\_national\_id,d\_origin\_id,d\_regularity\_id,d\_dist\_confidence\_id,d\_curr\_presence\_absence\_id, d\_population\_id, rec\_create\_user) values ((getnextseq('TAXON\_NATL\_DIST'))"&", (select element\_national\_id from element\_national where nation\_id="&A2&" and element\_global\_id="&B2&"),"&J2&","&K2&","&L2&","&M2&","&N2&",'****Ticket\_xxxx****');"*

4) Edit and run DDF procedure on newly created ENTs, according tothe [Users Guide to the Distribution Data and Subnational Conservation Status Ranks Consistency Validation Function (DDF):](http://bioticssupport.natureserve.org/solution/articles/203562-users-guide-to-the-distribution-data-and-subnational-conservation-status-ranks-consistency-validation)

*set serverout on*

*exec ddf\_update\_national;*

*commit;*

# To update Element Subnational Records:

Member Programs should replace ***Ticket\_xxxx*** with the appropriate Biotics login credentials of the person creating the records.

1) Add data to the ELEMENT\_SUBNATIONAL table requires splitting the SQL into a three-step process:

Copy the following statement into column **X**:

*="insert into element\_subnational (element\_subnational\_id, element\_national\_id, subnation\_id, sname\_id, s\_rank, rounded\_s\_rank, s\_rank\_change\_date, "&"s\_element\_internal\_notes, d\_maintained\_by\_status\_id, distribution\_reference\_id, rec\_create\_user, d\_data\_sensitive\_id) values (getnextseq('ELEMENT\_SUBNATIONAL'), "&C2&","&A2&","&D2&",'"&E2&"', round\_srank('"&E2&"'),* to\_date('"&TEXT(F2, "YYYY-MM-DD")&"','yyyy-mm-dd')*,'"&G2&"',"&I2&","&J2&", '****Ticket\_xxxx****'*, "&P2&");"

OR if ENTs were just created:

*="insert into element\_subnational (element\_subnational\_id, element\_national\_id, subnation\_id, sname\_id, s\_rank, s\_rank\_change\_date,rounded\_s\_rank, "&"s\_element\_internal\_notes, d\_maintained\_by\_status\_id, distribution\_reference\_id, rec\_create\_user, d\_data\_sensitive\_id) values (getnextseq('ELEMENT\_SUBNATIONAL'), (select element\_national\_id from element\_national where nation\_id="&T2&" and element\_global\_id="&B2&"),"&A2&","&D2&",'"&E2&"',* to\_date('"&TEXT(F2, "YYYY-MM-DD")&"','yyyy-mm-dd')*, round\_srank('"&E2&"'),'"&G2&"',"&I2&","&J2&", '****Ticket\_xxxx****''*, "&P2&");"

**NOTE**: make sure to unquote any NULL values in string fields!

2) Add data to the TAXON\_SUBNATIONAL table by copying the following statement into column **Y**, Row 2.  Copy from Row 2 into all other rows.

*="insert into taxon\_subnational (element\_subnational\_id,hybrid\_ind, rec\_create\_user) values ((select element\_subnational\_id from element\_subnational where subnation\_id="&A2&" and element\_national\_id="&C2&"),'"&H2&"', '****Ticket\_xxxx****');"*

OR if ENTs were just created:

*="insert into taxon\_subnational (element\_subnational\_id,hybrid\_ind, rec\_create\_user) values ((select element\_subnational\_id from element\_subnational where subnation\_id="&A2&" and element\_national\_id=(select element\_national\_id from element\_national where nation\_id="&T2&" and element\_global\_id="&B2&")),'"&H2&"',* ***'Ticket\_xxxx'****);"*

3) Add data to the TAXON\_SUBNATL\_DIST table.  Because of the 255 character limit in Excel, to create the entire SQL statement requires 3 columns, so, copy the first statement into column **Z** Row 2. Copy from Row 2 into all other rows.

*="insert into taxon\_subnatl\_dist (taxon\_subnatl\_dist\_id,element\_subnational\_id,d\_origin\_id,d\_regularity\_id,d\_dist\_confidence\_id,d\_curr\_presence\_absence\_id, d\_population\_id, rec\_create\_user) values ((getnextseq('TAXON\_SUBNATL\_DIST'))"&", (select element\_subnational\_id from element\_subnational where subnation\_id="&A2&" and element\_national\_id="&C2&"),"&K2&","&L2&","&M2&","&N2&","&O2&",'****Ticket\_xxxx****');"*

OR if ENTs were just created:

*="insert into taxon\_subnatl\_dist (taxon\_subnatl\_dist\_id,element\_subnational\_id,d\_origin\_id,d\_regularity\_id,d\_dist\_confidence\_id,d\_curr\_presence\_absence\_id, d\_population\_id, rec\_create\_user) values ((getnextseq('TAXON\_SUBNATL\_DIST'))"&", (select element\_subnational\_id from element\_subnational where subnation\_id="&A2&" and element\_national\_id=(select element\_national\_id from element\_national where nation\_id="&T2&" and element\_global\_id="&B2&")),"&K2&","&L2&","&M2&","&N2&","&O2&",'****Ticket\_xxxx'****);"*

4) Edit and run DDF procedure on newly created ESTs, according tothe [Users Guide to the Distribution Data and Subnational Conservation Status Ranks Consistency Validation Function (DDF).](http://bioticssupport.natureserve.org/solution/articles/203562-users-guide-to-the-distribution-data-and-subnational-conservation-status-ranks-consistency-validation)

*set serverout on*

*exec ddf\_update\_subnational;*

*commit;*