CHGIS V6 to V5 comparison

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resources:

- V6 file: v6_GISInfoTable_2016-09-09.csv
- V5 file: v5_augment_2016-08-09.csv
- Fields to match: Match_fields_from_V6_to_V5.csv
- output_template.csv
- **downloads URL**

code page: UTF8

fields to be compared

- see field mapping in: Match_fields_from_V6_to_V5.csv

output template see output_template.csv

- except for the first field (sys*id, which should contain a string, such as hvd*95002) and the last field (num_prnts, which should contain an integer of the count of parent rows in PartOf table), all values in the output table should be Boolean (Y or N).

tasks

1. Iterate through V6 table, first checking to see if the sys_id exists in V5 table
2. If yes: first set a boolean flag in the output table to indicate if V5 DOES have the same ID or not
3. then check each of the fields to be matched and set a Boolean flag in the output file, indicating if the values in the corresponding field match or not
4. after comparing the designated fields, check to see if ALL cases matched, and set a Boolean flag in the output table to indicate if the corresponding records are an EXACT match or not (ie. have at least one of the fields where the values were not the same)
5. the output of this batch process should be named as V6*to*V5_output
6. after completing the comparison processing, the same process should be run again in reverse, that is using the V5 table as the source file of SYS_IDs, and chekcing to see if they all exist in the target table of V6.

7. the output of the second batch process should be named V5*to*V6_output

secondary task

1. if the above script is working, it would be useful to run a second task to count the number of parent rows that each row in the V6 GISInfoTable has in the PartOf table (ie, how many times does a particular ID occur as the CHILD ID)

notes on preparing source file from ACCESS:

- from V6 .mdb the format of the cells containing x, y coordinates will export by default (*thanks, Microsoft*) as only two places past the decimal. these MUST be 5 places past the decimal in order to match the V5 version
- to solve the decimal export problem reset the system default in Control Panel | Clock, Lang, Region | Date, Time, Number | Additional Settings | No. places past decimal = 5
- under Export menu, be sure to check ADVANCED and set language = All and code page = UTF8

notes on preparing source file from MYSQL:

- the mv*pn*srch table was missing some info that needed to be joined from other tables. used the following SQL to augment the table:

```
select mv_pn_srch.*, spelling.written_form,
present_loc.text_value from mv_pn_srch
left outer join spelling on
  spelling.placename_id = mv_pn_srch.id
AND spelling.default_per_type=0
left outer join present_loc on
  present_loc.placename_id = mv_pn_srch.id
```