12 STATION CHANGE: INVENTORY, CHANGE, OR DELETE

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The Station Change program provides the ability to inventory, change a station identifier, or delete a site and all of the site's related data. This program provides information for a site from the Site, Ground-Water, Water-Quality, SWUDS, and ADAPS data tables. Because station change affects multi-discipline data, exercise **extreme caution** during its use. Only individuals with DBA access can use the change and delete functions.

12.1 Program Operation

Execute the program by selecting Option 91 from the GWSI Main Menu, which takes you to the Utilities Menu. Select Option 2: Station inventory, change, or delete. The same program is also available in *QWDATA – Utilities menu: option 3* and *GWSI system menu: option 3*.

The program will expect the user to enter the database to be searched. The database number entered and any other databases that share the same sitefile (e.g. QA database) will be included when the program is run. **NOTE: This means that a change or delete of a station in one database will be applied to all databases that share the same sitefile.**

Once the database number has been entered, the program allows the user to choose to inventory, change, or delete a station:

```
        Your current GW data base is number 01

        Database number: 01

        Site Inventory, Change, or Delete
        ----------------------------------
        This program inventories, changes, or
        deletes *all* database records for a
        single agency code and site number.

[I]nventory, [C]hange, [D]elete, or [Q]uit? icdQ]:
```

Station Inventory

If inventory (I) is selected, the user is required to enter a valid agency code and site number. If an invalid agency code or site number is entered, the program will stop and print the following error message:

```
        Enter agency code and site number: NOTASITE 9998888

        Invalid agency code 'NOTAS'
        Agency codes are listed in the AGENCY table

        [I]nventory, [C]hange, [D]elete, or [Q]uit? [icdQ]: i

        Enter agency code and site number: USGS 22222222

        Site 'USGS 22222222' does not exist in database 01

        [I]nventory, [C]hange, [D]elete, or [Q]uit? [icdQ]:
```

When a valid agency code and site are entered, the program will search the site, ground-water, water-quality, ADAPS, and water-use files to determine what is stored in the database for the site entered. Output will appear on the screen similar to:

```
    Enter agency code and site number: USGS 06130000

    Site:  'USGS 06130000', Flatwillow Creek near Mosby MT

       Database: 01

           Common
           Tables                          Rows
           =================================-=========
           SITE                            1
           SITEFILE                        1

           ADAPS
           Tables                          Rows
           =================================-=========
           AD_SITE                         1
           AD_INDEX                        1
           LOC                             1
           DD                              5
           DV                              9
           DV_DATA                         2716

           QW
           Tables                          Rows
           =================================-=========
           QW_SAMPLE                       97
           QW_RESULT                       2023
           QW_RESULT_CM                    127
           QW_VAL_QUAL                     10

       Database: 02

           Common
           Tables                          Rows
           =================================-=========
           SITE                            1
           SITEFILE                        1

           QW
           Tables                          Rows
           =================================-=========
           QW_SAMPLE                       11
           QW_RESULT                       54
           QW_RESULT_CM                    54
```

```
        QW_VAL_QUAL                    1

Enter agency code and site number: usgs 463722111590201

Site:  'USGS 463722111590201', 10N03W16DBAD01

   Database: 01

       Common
       Tables                         Rows
       ================================-=========
       SITE                           1
       SITEFILE                       1
       SITE_OWNER                     1

       GWSI
       Tables                         Rows
       ================================-=========
       GW_CONS                        1
       GW_CSNG                        1
       GW_GEOH                        1
       GW_HOLE                        1
       GW_LEV                         59
       GW_LOGS                        1
       GW_MPNT                        1
       GW_NETW                        2
       GW_OPEN                        1
       GW_OTID                        4
       GW_VIST                        3

       QW
       Tables                         Rows
       ================================-=========
       QW_SAMPLE                      5
       QW_RESULT                      78
       QW_VAL_QUAL                    4

   Database: 02

       Common
       Tables                         Rows
       ================================-=========
       SITE                           1
       SITEFILE                       1
       SITE_OWNER                     1

       GWSI
       Tables                         Rows
       ================================-=========
       GW_CONS                        1
       GW_CSNG                        1
       GW_GEOH                        1
       GW_HOLE                        1
       GW_LEV                         59
       GW_LOGS                        1
       GW_MPNT                        1
       GW_NETW                        2
       GW_OPEN                        1
       GW_OTID                        4
       GW_VIST                        3

       QW
       Tables                         Rows
       ================================-=========
       QW_SAMPLE                      7
       QW_RESULT                      13
       QW_RESULT_CM                   13
       QW_VAL_QUAL                    8

Do you want to save the inventory report to a file? [yN]:
```

The output can be saved to a file by entering a 'y' at the last query.

Station Change

If change ('C') is selected, the program will ask for a valid agency code and site number to be entered of the station to be changed. The next query will ask for the agency code and site number for the new station:

```
Database number: 01

Site Inventory, Change, or Delete
---------------------------------
This program inventories, changes, or
deletes *all* database records for a
single agency code and site number.

[I]nventory, [C]hange, [D]elete, or [Q]uit? [icdQ]: c

Enter agency code and site number: USGS 22222222
Enter new agency code and site number for
'USGS 22222222', :
USGS 22222228
```

After a new agency code and site number have been entered, the program will print to the screen all files affected by the change and ask for confirmation of the change:

```
   Site:  'USGS 22222222', Test site 01/16/03

      Database: 01

         Common
         Tables                            Rows
         =================================-=========
         SITE                              1
         SITEFILE                          1

      Database: 02

         Common
         Tables                            Rows
         =================================-=========
         SITE                              1
         SITEFILE                          1

   Are you sure you want to change site 'USGS 22222222' to
   'USGS 22222228'? ("YES" or "N") You must answer "YES"
```

The word 'YES' (capital letters) must be entered for the change to take effect. Queries for the name of the person making the change and to enter a reason for the change appears on the screen:

```
        Are you sure you want to change site 'USGS 22222222' to
        'USGS 22222228'? ("YES" or "N") You must answer "YES"
        for changes to take effect: YES

        Name of person requesting site change: Mickey Mouse
```

It is important for future reviews of this site that the reason for the change is entered accurately. Output similar to the following should appear on the screen:

```
        'USGS 22222222' was successfully changed to
        'USGS 22222228' in database 01. You can review the changes to
        database 01 with the stnhistory program.

        Site:  'USGS 22222228', Dorrie's test site 01/16/03

            Database: 01

                Common
                Tables                              Rows
                ==================================-=========
                SITE                                1
                SITEFILE                            1

            Database: 02

                Common
                Tables                              Rows
                ==================================-=========
                SITE                                1
                SITEFILE                            1

        [I]nventory, [C]hange, [D]elete, or [Q]uit? [icdQ]:
```

Station Delete

If delete (D) is selected, the program will ask for a valid agency code and site number to be entered. Output will appear on the screen that includes all files affected by deleting the site followed by a query asking for confirmation of the station delete:

```
        [I]nventory, [C]hange, [D]elete, or [Q]uit? [icdQ]: d

        Enter agency code and site number: USGS 22222228

        Site:  'USGS 22222228', Test site 01/16/03

          Database: 01

              Common
              Tables                            Rows
              ================================-=========
              SITE                              1
              SITEFILE                          1

          Database: 02

              Common
              Tables                            Rows
              ================================-=========
              SITE                              1
              SITEFILE                          1

        Are you sure you want to delete these rows? ("YES" or "N")
        You must answer "YES" to delete this site:
```

The word 'YES' (capital letters) must be entered for the delete to take effect. Queries for the name of the person requesting the delete and a reason for the delete appear on the screen:

```
        Are you sure you want to delete these rows? ("YES" or "N")
        You must answer "YES" to delete this site: YES

        Name of person requesting site delete: Donald Duck
        Reason for site change: Testing
```

A confirmation of the delete should appear:

```
        Station 'USGS 22222228' in database 01 has been deleted
        You can review the changes to database 01 with the stnhistory program

        [I]nventory, [C]hange, [D]elete, or [Q]uit? [icdQ]:
```

Note: The station history program can be used to review changes to sites in the database. A description of the station history program is available in _Chapter 3 of the GWSI DBA Manual_.