

15 ERROR MESSAGES

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Error messages may be displayed during any activity that may update the NWIS database. There are two sources of error messages:

- GWSI software may issue errors based on data validation using reference list checks and logical checks of entered data during Screen Entry, Query Entry, Edit, and Update.
- Status errors may be returned by the RETR routines that, in most cases, indicate database problems. These generally occur during the Update procedure.

The following is a list of the error messages that may occur during data entry using Screen Entry, Query Entry, Data Validation, and the Edit and Update procedures. Negative numbered error messages represent non-fatal warning messages.

Error messages are displayed in specific formats, depending on the activity being performed, and convey information about the error beyond the textual description:

- (1) Screen and Query Entry, and Sitefile/GWSI Data validation (gwcheck) programs display error message surrounded by either dashes or asterisks to indicate whether the reported error is a warning (dashes) or fatal (asterisks), for example:
Warning error message:

----- Latitude (C009) Latitude Out of Range for County -----

Fatal error message:

******* Station name (C900) Mandatory Field Missing *******

- (2) Error messages displayed during Edit and Update are in three fields across the line. Field one is in the first column of the line and is either blank (warning) or populated with an asterisk (error). Field two contains an error code that consists of the error number and component number; if the error is due to something other than a specific component, the error number contains '000' for the last three digits. Field three is a textual description of the error. Examples are shown below:

*** 17028 Well depth (C028) Depth Deeper than Hole Depth--ERROR---
VALUE REJECTED**

**-32709 Measurement time (C709) Water Level Time Incompatible with
Reference**

*** 36003 Record classification (C003) Data Reliability Mandatory for GW
Site--ERROR---RECORD REJECTED**

*** 88000 Record already exists, cannot be added--ERROR---RECORD
REJECTED**

GWSI Data Validation Errors

Error #	Description
-35	No Altitude Reference Available
-34	No Measuring Point Reference Available
-33	Water Level Mandatory with Datum
-32	Water Level Time Incompatible with Reference
-31	Altitude Out of Range for State
-30	Specific Source Used With Non-USGS Site
-29	Depth Deeper than Well Depth
-28	Longitude More than 10 Seconds Off Site ID
-27	Latitude More than 10 Seconds Off Site ID
-26	Specific Source Warning
-25	Station Name Not Unique
-24	Duplicate Use of Water
-23	Duplicate Use of Site
-22	Site Exists
-21	Site Type Incompatible with Station Type
-20	Longitude Out of Range for County
-19	Latitude Out of Range for County
-18	Measuring Point Begin Date After End Date
-17	Mandatory for Current Water Level Status
-16	Group Well Depth Shallowest Below Deepest
-15	Logged Interval Top Below Bottom
-14	Network Begin Year After End Year
-13	Test Interval Top Below Bottom
-12	Geohydrologic Log Interval Top Below Bottom
-11	Opening Interval Top Below Bottom
-10	Casing Interval Top Below Bottom
-9	Construction Interval Top Below Bottom
-8	Web Flag of "N" Changed to "C"
-7	Measuring Point Altitude Mismatch
-6	Date Precedes Date Constructed
-5	Water Level May Not Be Compatible With Status
-4	Hole Depth Shallower than Existing Depths
-3	Date Constructed Preceded by Existing Dates
-2	Possible Error in Site ID
-1	Code Obsolete or Not Valid for Use
0	No Error
1	Mandatory Field Missing
2	Wrong Data Type
3	Invalid Date
4	Invalid Character Code

Error #	Description
5	Value Out of Range
6	Value Does Not Fit Template
7	Invalid Site ID
8	Invalid District Code
9	Invalid State Code
10	Invalid County Code
11	Invalid Degree/Minute/Second Value
12	Latitude Out of Range for State
13	Longitude Out of Range for State
14	Cannot Change Web-Ready Flag to "Y"
15	Date Precedes Date Constructed
16	Site Use Mandatory for Well
17	Depth Deeper than Hole Depth
18	Water Level Date Mandatory
19	Status Not Compatible With Water Level
20	No Status or Water Level, But Water Level Date
21	Construction Interval Bottom Above Top
22	Casing Interval Bottom Above Top
23	Opening Interval Bottom Above Top
24	Geohydrologic Log Interval Bottom Above Top
25	Invalid Aquifer Code
26	Lithologic Modifier With No Lithology
27	Test Interval Bottom Above Top
28	Network End Year Before Begin Year
29	Logged Interval Bottom Above Top
30	Group Well Depth Deepest Above Shallowest
31	Water Level or Status Required
32	Measuring Point End Date Before Begin Date
33	Illegal Site Type Combination
34	GW Site Type Mandatory for GW Site
35	Status Requires Missing Water Level
36	Data Reliability Mandatory for GW Site
37	Site Type Incompatible with Station Type
38	Invalid Time
39	Record type for GW.MISC in error
41	Duplicate Use of Site
42	Duplicate Use of Water
43	Primary Aquifer Already Exists, set to (U)nknown
44	Measuring Point Below Bottom of Well
45	Water Level Type Required
46	Selected State Code Not in HUC File
47	Cannot Change Web-Ready Flag from "N"

Error #	Description
48	Required with Altitude
49	Greater than Drainage Area
51	No Measuring Point Reference Available
52	No Altitude Reference Available
53	Station Name Not Unique
54	Lat/Lon Required with Lat/Lon ???
55	No Such Measuring Point
56	WL Date Does Not Match MP Date Range
57	Coordinate Must Include Both Lat and Lon
58	NAWQA Aquifer Already Exists, set to (U)nknown
59	Parent record does not exist
60	Spring data not allowed for other site types
61	Error during calculation
62	Record type for GW.GEOH in error
63	Record type for GW.HYDR in error
64	Invalid
65	Too long, first name and/or middle initial ignored
66	Site has been deleted, no other processing allowed
67	No R value found
68	R value pair invalid, no = sign
69	No ending delimiter to "R" value pair
70	R value nonnumeric
71	R value invalid
72	T value missing
73	T value pair invalid, no = sign
74	Transaction code invalid
75	No ending delimiter to T value pair
76	Site is a mandatory item, invalid using this program
77	No = or # sign in component value pair
78	Component number invalid
79	Value too long-missing delimiter
80	Maximum field length exceeded
81	Site already exists, cannot be added
82	Site does not exist, cannot be modified
83	Database problem, contact database administrator
84	Unsuccessful add
85	Unsuccessful modify
86	Record sequence number for invalid or missing
87	Record does not exist, cannot be deleted ***
88	Record already exists, cannot be added
89	Record does not exist, cannot be modified
90	Unique discharge record not found

Error #	Description
91	Water levels are allowed for wells only
92	Site delete is not allowed using this program
93	Unsuccessful delete
94	Record failed Edit must be corrected before update
95	Record type in error
96	Site does not exist, no other transactions allowed
97	Invalid, value set to (U)known
98	Missing, value set to (U)known
99	Cannot change water level entry type code
100	R number is not defined
101	Water level reference incompatible with time
999	Invalid component number

GWSI Status Errors

Error #	Description
1	Successful retrieval, but duplicates exist for the current key.
2	File open failed or file not open as needed.
4	End of file. (No more records matching the query)
6	Requested record not found, next record returned.
7	Requested record not found, no new record returned.
8	Invalid program function requested.
9	QW result record full.
10	On a call to lock a record, the requested record is already locked, possible by another user. (Concurrency error. Someone changed the record since it was retrieved.
11	On a call to update a record, the record to be updated was not locked – record cannot be updated. (Primary key does not match the one previously retrieved.
12	Attempt to add a duplicate key when duplicates are not allowed (primary key or secondary key) OR on update or delete, more than one record of primary key found.
13	Ingres error encountered.