Dams Database Dictionary

The following is a list of the Oracle database tables, elements, and item descriptions for the Dam Safety Program database, with the Wisconsin Department of Natural Resources. Questions, comments, or suggested changes to this document can be directed to Meg Galloway (GALLOM@dnr.state.wi.us) .

Table - WZ_552_ALT_CONTACT_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The ALT_CONTACT_TYPE_CODE field links this table to the main WZ_552_DAM table.

Field: **ALT_CONTACT_TYPE_CODE**
Type: VARCHAR2 (4)
Table: WZ_552_ALT_CONTACT_TYPE_CODE

Indicates the type of alternate contact or other owner – private individual, company, government, etc.

ADJ	ADJACENT LANDOWNER
CO	CO OWNER
EG	EMERGENCY GOVERNMENT
ENGR	ENGINEER
LA	LAKE ASSOCIATION
LEAS	LEASEE
MUNI	MUNICIPALITY
OPER	OPERATOR
PRVT	PRIVATE DAM ON FEDERAL LAND
SPEC	USFS SPECIAL USE AGREEMENT
TRAN	TRANSFER CONTACT (IE. POSSIBLE NEW OWNER)

Field: **ALT_CONTACT_TYPE_DESC**
Type: VARCHAR2 (65)
Table: WZ_552_ALT_CONTACT_TYPE_CODE

Indicates the type of alternate contact or other owner. See above for list of values and descriptions.

Table - WZ_552_APPROVAL_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The APPROVAL_TYPE_CODE field links this table to the main WZ_552_DAM table.

Field: **APPROVAL_SEQ**
Type: NUMBER (2)
Table: WZ_552_APPROVAL_TYPE_CODE

Indiciates order in which type codes will be displayed in user interface, based on priority and frequency of use of that particular code.

Field: **APPROVAL_TYPE_CODE**
Type: VARCHAR2 (4)
Table: WZ_552_APPROVAL_TYPE_CODE

Type of approval, such as plan approval, repairs, grant, hazard rating, etc. The following lists the APPROVAL_SEQ, APPROVAL_TYPE_CODE, and APPROVAL_DESC values in this table.

1	PLAN	PLAN APPROVAL-REPAIR, RECON; STAT 31.18
2	NEW	PLAN APPR. FOR NEW DAM ON NON-NAV STRM; STAT 31.33
3	CNST	PERMIT TO CONSTRUCT-NAV STREAM; STAT 31.06
4	IOM	OPERATION, MAINTENANCE & INSPECTION MANUAL
5	STAB	STABILITY ANALYSIS
6	FAIL	DAM FAILURE ANALYSIS
7	H&H	HYDROLOGY & HYDRAULIC ANALYSIS
8	EAP	EMERGENCY ACTION PLAN
9	ABAN	ABANDONMENT; STAT 31.185A
10	DNR	DNR REMOVAL; STAT 31.187
11	GRNT	FUNDS RESERVED THRU GRANT PROGRAM NR335
12	DRAW	DRAWDOWN; STAT 31.19
13	LVL	LEVELS; STAT 31.02
14	TRAN	TRANSFER; STAT 31.185B
15	EIS	ENVIRONMENTAL IMPACT STUDY
16	ES	ENVIRONMENTAL ASSESSMENT
17	ENLG	ENLARGEMENT; STAT 31.13
18	FERC	INSPECTION REPORT FOR FERC
19	US	INSPECTION FOR US GOVT
20	OTHR	SEE COMMENTS
21	HAZ	ASSIGN PRELIMINARY HAZARD RATING
22	WARN	APPROVE MONITORING/FLOOD WARNING SYSTEM
23	30DY	30 DAY LETTER SEND FOR FAILURE ZONING ADOPTION
24	ZONE	COMMUNITY HAS ADOPTED FAILURE ZONING

Field: **APPROVAL_DESC**
Type: VARCHAR2 (50)
Table: WZ_552_APPROVAL_TYPE_CODE

Indiciates type of approval, such as plan approval, repairs, grant, hazard rating, etc. See above for a list of values and descriptions.

Table - WZ_552_CAUSE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The INCIDENT_CAUSE_CODE field links this table to the main WZ_552_DAM table.

Field: **INCIDENT_CAUSE_CODE**
Type: NUMBER (2)
Table: WZ_552_CAUSE_CODE

Numeric representation of any incidents such as a dam failure.

1	MINOR FLOOD <25 YR
2	MAJOR FLOOD >25 YR
3	FAILURE TO OPERATE GATES
4	GATE OR LIFT MECHANISM FAILURE
5	UNDERSIZED SPILLWAY
6	RELEASE OF WATER UPSTREAM
7	PLUGGING OF PRINCIIPAL OUTLET (ICE, DEBRIS, BEAVERS)
8	PLUGGING OF EMERGENCY SPILLWAY
9	BEACHING
10	LACK OF REPRAP
11	LACK OF GOOD VEGETATION
12	TREE ROOTS
13	PIPING THROUGH EMBANKMENT
14	PIPING THROUGH GROIN AREA
15	BOIL
16	SCOUR OF STREAMBED
17	DRAIN SYSTEM FAILURE (CORROSION, PLUGGING, COLLAPSED)
18	UNDERMINING OF FOUNDATION
19	DETERIORATED CONCRETE
20	RECREATION- (SWIMMING, BOATING...SITE SEEING)
21	OTHER / SEE COMMENTS
22	CONSTRUCTION, REPAIRS
23	SUBMITTED TO CENTER ON THE PERFORMANCE OF DAMS
24	ICE JAM OR ICE PUSH

Field: **INCIDENT_CAUSE_DESC**
Type: VARCHAR2 (55)
Table: WZ_552_CAUSE_CODE

Report of a dam incident such as a dam failure. See above for list of codes and related descriptions.

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Table - WZ_552_CORE_POSITION_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The CORE_POSITION_CODE field links this table to the main WZ_552_DAM table.

Field: **CORE_POSITION_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_CORE_POSITION_CODE

Character representation of the position of the core. These codes have been established by the National Inventory of Dams, and are used by NID.

F	UPSTREAM FACING
H	HOMOGENEOUS DAM
I	CORE
X	UNLISTED/UNKNOWN

Field: **CORE_POSITION_DESC**

Type: VARCHAR2 (50)
Table: WZ_552_CORE_POSITION_CODE

Description of the single character code representing core position. These codes have been established by the
National Inventory of Dams, and are used by NID. See above for list of codes and related descriptions.

Table - WZ_552_CORE_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not
updated by general program users or staff. The CORE_TYPE_CODE field links this table to the main
WZ_552_DAM table.

Field: **CORE_TYPE_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_CORE_TYPE_CODE

Character representation of the type of the dam core. These codes have been established by the National Inventory
of Dams, and are used by NID.

A	BITUMINOUS CONCRETE
C	CONCRETE
E	EARTH
M	METAL
P	PLASTIC
X	UNLISTED/UNKNOWN

Field: **CORE_TYPE_DESC**
Type: VARCHAR2 (50)
Table: WZ_552_CORE_TYPE_CODE

Description of the single character code representing core type. These codes have been established by the National
Inventory of Dams, and are used by NID. See above for list of codes and related descriptions.

Table - WZ_552_DAM

This is the main table for the dam safety database, containing records for each dam in the state. The key field for
this table is the DAM_KEY_SEQ_NO, which is a unique numeric ID automatically assigned by Oracle to each
record. This key field links to numerous other tables in the database. Dam safety staff edit and add records to this
table through a front end (ASP), and each existing, planned or abandoned dam recorded by the DNR has a single
record. The only time that records are deleted is in cases where staff have accidentally added two records for a
single dam.

Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6), NOT NULL
Table: WZ_552_DAM

Unique ID assigned to each dam. This is a numeric value automatically assigned by Oracle whenever a new record is added. This is the ID that relates the various Dams tables to each other, and is also the ID used by SWIS to assign each dam a geographic location.

Field: **ABANDON_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

For those dams that have a status of ABAND, this field records the year that the dam was removed. Users should also check the comments field for details on dam removal.

Field: **ALT_CONTACT_CITY**
Type: VARCHAR2 (20)
Table: WZ_552_DAM

Mailing city of alternate dam owner/contact. EX. MADISON

Field: **ALT_CONTACT_LAST_NAME**
Type: VARCHAR2 (20)
Table: WZ_552_DAM

Last name of alternate contact, if an alternate contact is known. If there is only one main owner/contact person, these "alt" fields will be left blank. EX. JOHNSON

Field: **ALT_CONTACT_FIRST_NAME**
Type: VARCHAR2 (12)
Table: WZ_552_DAM

First name of alternate contact. EX. CHARLES

Field: **ALT_CONTACT_MIDDLE_INITIAL**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Middle initial of alternate contact. EX. L

Field: **ALT_CONTACT_ORGANIZATION_NAME**
Type: VARCHAR2 (44)
Table: WZ_552_DAM

Title of alternate contact – may be an organization (example – Necedah Fishing Club), or a job title (example – Treasurer). This field will be left blank if the main contact info is sufficient.

Field: **ALT_CONTACT_PHONE**
VARCHAR2 (10)
Table: WZ_552_DAM

Phone number of alternate contact. EX. (920)342-2432

Field: **ALT_CONTACT_STATE_ABBR**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

State abbreviation of mailing address for alternate contact. EX. WI

Field: **ALT_CONTACT_STREET**
Type: VARCHAR2 (30)
Table: WZ_552_DAM

Mailing address (street) of alternate contact. EX. 312 State Street

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Field: **ALT_CONTACT_TYPE_CODE**
Type: VARCHAR2 (4)
Table: WZ_552_DAM

Code representing ownership type (private, county, etc) of alternate contact or alternate owner. See page one
(WZ_552_ALT_CONTACT_TYPE_CODE) for a list of codes and descriptions.

Field: **ALT_CONTACT_ZIP_CODE**
Type: VARCHAR2 (9)
Table: WZ_552_DAM

Zip code of mailing address for alternate contact. EX. 53232, or 53267-1356

Field: **AUTHORIZATION_APPROVAL_DESC**
Type: VARCHAR2 (19)
Table: WZ_552_DAM

The authorization or plan approval identifier given to construct dam and/or flood lands. This number refers to a file
maintained by the program. The naming convention includes the region and year that the file was started. EX 3-
NE-00-0214UF

Field: **CORE_TYPE_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Core type of dam. This field links to the WZ_552_CORE_TYPE_CODE table. These codes have been established
by the National Inventory of Dams, and are used by NID. See info on WZ_552_CORE_TYPE_CODE table for a
complete listing of abbreviation codes and descriptions of elements for this field.

Field: **CORE_POSITION_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Position of the dam core. This field links to the WZ_552_CORE_POSITION_CODE table. These codes have been
established by the National Inventory of Dams, and are used by NID. See info on
WZ_552_CORE_POSITION_CODE table for a complete listing of abbreviation codes and descriptions of elements
for this field.

Field: **CORE_CERTAINTY_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

This single-character represents the certainty of the core type and position – K for known or Z for estimated. This field should be populated as data is entered for the core position and type fields. These codes have been established by the National Inventory of Dams, and are used by NID.

Field: **COUNTY_NAME**
Type: VARCHAR2 (11)
Table: WZ_552_DAM

Name of the county the dam is in. This field is required through our front end – all new records must contain a county name. Users may access a lookup table to choose the appropriate county. The list of county names and associated values is maintained OUTSIDE of the dam safety program database. EXAMPLES: GREEN LAKE; ST. CROIX

Field: **CREST_LENGTH_FT_AMT**
Type: NUMBER (5)
Table: WZ_552_DAM

The horizontal distance in feet across the length of a dam from natural ground on one side to the natural ground on the other. This includes dikes, spillways, and powerhouse. This measurement runs across the river.

Field: **DAM_COMMENT**
Type: VARCHAR2 (2000)
Table: WZ_552_DAM

General comments pertaining to the dam, for explanation notes on communication with dam owner, potential hazard issues or observations, comments on repairs or removals, etc.

Field: **DAM_ID_STATE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

State code used to prefix dam ID field. Used by National Dam Inventory. EXAMPLE – WI

Field: **DAM_ID**
Type: NUMBER (5)
Table: WZ_552_DAM

Wisconsin Dam ID tracked in the National Dam Inventory. Used with prefix WI (from DAM_ID_STATE field) when submitted to FEMA. Numbers 1 – 9999 if a large dam, 10,000 and up for small dams. Dams on state borders are numbered in the 5,000's. This field will be left blank in many cases, and is only assigned by a limited number of individuals, such as Meg Galloway. EXAMPLE – 26.

Field: **DAM_OFFICIAL_NAME**
Type: VARCHAR2 (29)

Table: WZ_552_DAM
Authorized name or DNR historic name of the dam. If the dam has no legal name, can be last name of dam owner. Can also be name specified on the "application to construct".   EXAMPLES – WILLOW FALLS; SMITH, JOHN.

Field: **DAM_POPULAR_NAME**
Type: VARCHAR2 (29)
Table: WZ_552_DAM

Popular or locally used name of dam. Can be current owner's last name, unless owner's name was already used for official name. In many cases, this field will be left blank (if dam has only one commonly used name). EXAMPLE – BURKHARDT MILLS

Field: **DAM_FORMER_NAME**
Type: VARCHAR2 (29)
Table: WZ_552_DAM

Formerly used name of the dam. In some cases, over the years, a dam's name changes. This may be especially true for those dams for which the owner's name is used as dam name. For example, if the SMITH, JON dam becomes the THOMPSON, ADAM dam, then SMITH, JON may be recorded here for reference. In many cases, this field may be left blank, if no prior name is known.

Field: **DAM_SIZE_TYPE**
Type: VARCHAR2 (5)
Table: WZ_552_DAM

Indicates large or small dam, based on the specifications put forth by the Wisc. Department of Natural Resources. A large dam measures greater than 6 feet high and with 50 acre feet or more max storage OR 25 feet or greater high with greater than 15 acre feet storage.

Field: **DNR_COUNTY_CODE**
Type: NUMBER (2)
Table: WZ_552_DAM

The county code corresponding to the name of the county the dam is in. This field will be automatically populated when the user populates the COUNTY_NAME field. The list of county names and associated values is maintained OUTSIDE of the dam safety program database. EXAMPLES: 1; 24

Field: **DOWN_CITY_MI_AMT**
Type: NUMBER (4, 1)
Table: WZ_552_DAM

Distance in river miles of the nearest downstream city (if any) from a dam, as measured on a topographic map.

Field: **DOWN_CITY_NAME**
Type: VARCHAR2 (20)
Table: WZ_552_DAM

The name of the nearest city or population center, if any, downstream from the dam, as indicated on a topographic map. EX. BROOKVILLE

Field: **DRAIN_BASIN_SQ_MI_AMT**
Type: NUMBER (7, 2)
Table: WZ_552_DAM

Drainage area of the basin contributing to dam in square miles. Up to two decimal points.

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Field: **EAP_NR333_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

The year that the Emergency Action Plan for the dam was approved in accordance with NR333. If at a later date the dam is found to be out of compliance with this requirement, the date should be deleted and a notation made in the comment section.

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Field: **ESTD_HAZ_RATING_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Office estimate of hazard to life and property downstream of dam, based on existing land use. H: High (loss of life likely should dam fail), S: Significant (significant property damage is likely, L: Low (neither loss of life or property will occur).   In most cases this was estimated in 1985, or updated based on finding of dam failure analysis. Not required for small dams.

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Field: **FERC_EXEMPT_ISSUE_DATE**
Type: DATE
Table: WZ_552_DAM

The issue date of FERC (Federal Energy Regulatory Commission) exemption, if applicable. May be left blank.

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Field: **FERC_INSP_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

Year of the final draft of FERC inspection report, or report required by FERC. YYYY (ex. 1998)

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Field: **FERC_LIC_NO**
Type: VARCHAR2 (6)
Table: WZ_552_DAM

FERC license number for a hydroelectric dam, if it meets FERC standards. A number will also be assigned for FERC exemptions.

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Field: **FERC_LIC_EXPR_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

The year the dam's FERC license expires. YYYY (ex. 2002)

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Field: **FIELD_FILE_NO**
Type: VARCHAR2 (5)
Table: WZ_552_DAM

The DNR-assigned file number (if any) for dams with significant inspection or corresponding information, which was assigned by the field clerk. The first 2 digits are the county code, followed by a decimal, and another two digits assigned by Elly Lawry (ex. 55.02). If a dam has not been officially assigned a field file number by Elly Lawry, then the field file number would be the county code, decimal, and two 0's (ex. 55.00). The files include historical info on the site visits over time. This includes photos, surveys, water levels, and inspection reports. EXAMPLES – 55.02; 55.00

COUNTY CODES

Adams – 1	Ashland – 2	Barron – 3
Bayfield – 4	Brown – 5	Buffalo – 6
Burnett – 7	Calumet – 8	Chippewa – 9
Clark – 10	Columbia – 11	Crawford – 12
Dane – 13	Dodge – 14	Door – 15
Douglass – 16	Dunn – 17	Eau Claire – 18
Florence – 19	Fond du Lac – 20	Forest – 21
Grant – 22	Green – 23	Green Lake – 24
Iowa – 25	Iron – 26	Jackson – 27
Jefferson – 28	Juneau – 29	Kenosha – 30
Kewaunee – 31	La Crosse – 32	Lafayette – 33
Langlade – 34	Lincoln – 35	Manitowoc – 36
Marathon – 37	Marinette – 38	Marquette – 39
Menominee – 72	Milwaukee – 40	Monroe – 41
Oconto – 42	Oneida – 43	Outagamie – 44
Ozaukee – 45	Pepin – 46	Pierce – 47
Polk – 48	Portage – 49	Price – 50
Racine – 51	Richland – 52	Rock – 53
Rusk – 54	St. Croix – 55	Sauk – 56
Sawyer – 57	Shawano – 58	Sheboygan – 59
Taylor – 60	Trempealeau – 61	Vernon – 62
Vilas – 63	Walworth – 64	Washburn – 65
Washington – 66	Waukesha – 67	Waupaca – 68
Waushara – 69	Winnebago – 70	Wood - 71

Field: **FIRST_DAM_AT_SITE_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

Year that original dam was built at this site, as opposed to reconstruction years.

Field: **FOUNDATION_TYPE_CODE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Core type of dam. This field links to the WZ_552_FOUNDATION_TYPE_CODE table. These codes have been established by the National Inventory of Dams, and are used by NID. See info on WZ_552_FOUNDATION_TYPE_CODE table for a complete listing of abbreviation codes and descriptions of elements for this field.

Field: **FOUNDATION_CERTAINTY_CODE**

Type: VARCHAR2 (1)
Table: WZ_552_DAM

This single-character represents the certainty of the foundation type – K for known or Z for estimated. This field should be populated as data is entered for the foundation type. These codes have been established by the National Inventory of Dams, and are used by NID.

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Field: **GMU_APPR**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Two character abbreviation for the geographic management unit.

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Field: **HANDBOOK_RECD_LAST_NAME**
Type: VARCHAR2 (20)
Table: WZ_552_DAM

The owner(s) representative with a copy of the safety handbook/field file.

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Field: **HANDBOOK_RECEIVE_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

Year in which the dam owner(s) representative submitted a copy of the safety handbook/field file.

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Field: **HAZ_RATING_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Indicator of hazard to life, property downstream of dam, and zoning in place to restrict future development in the hazard area. H: High (loss of life likely should dam fail), S: Significant (significant property damage is likely, L: Low (neither loss of life or property will occur), per approved EAP (NR333.06)

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Field: **HYD_NR333_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

The year that it was determined the dam met the hydraulic capacity requirements of NR333. If at a later date the dam is found to be out of compliance with this requirement, the date should be deleted and a notation made in the comment section.

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Field: **HYDRAULIC_HT_FT_AMT**
Type: NUMBER (4, 1)
Table: WZ_552_DAM

"Head", or the difference in feet between dam normal headwater and normal tailwater elevation. For hydropower dams, the tailwater elevation below the powerhouse rather than the spillway is used, at normal conditions.

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Field: **IMPOUND_AC_AMT**
Type: NUMBER (7, 1)

Table: WZ_552_DAM

Area of impoundment at normal pool elevation, in acres. EX. 100

Field: **IMPOUND_LOCAL_NAME**
Type: VARCHAR2 (29)
Table: WZ_552_DAM

Name of the lake or flowage behind the dam. Unofficial or local name. EX WILLOW LAKE, or HILLTON MILL POND

Field: **IMPOUND_MAX_DEPTH_FT_AMT**
Type: NUMBER (4, 1)
Table: WZ_552_DAM

The maximum depth of the impoundment at normal pool elevation, in feet. EX. 38

Field: **IMPOUND_WB_CODE**
Type: NUMBER (7)
Table: WZ_552_DAM

Waterbody ID Code from the master waterbody file (Register of Waterbodies internet database at http://dnrwlf.dnr.state.wi.us:8890/dnr/pk_swis_home.swis_home).   A DNR recognized unique ID for waterbodies in Wisconsin. This information is also available on the 24k Hydro data layer. Only major impoundments are likely to have a code. In the Dam Safety databases, this information is only rarely recorded and added to our database.

Field: **IMPOUND_WB_NAME**
Type: VARCHAR2 (29)
Table: WZ_552_DAM

Officially recognized corresponding waterbody name to the master waterbody file. See IMPOUND_WB_CODE for information on how to find the official waterbody name and code for waterbodies in Wisconsin. In the Dam Safety databases, this information is only rarely recorded and added to our database.

Field: **IOM_NR333_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

The year that the Inspection, Operation and Maintenance Plan for the dam was approved in accordance with NR333. If at a later date the dam is found to be out of compliance with this requirement, the date should be deleted and a notation made in the comment section.

Field: **LAST_UPDATE_DATE**
Type: DATE
Table: WZ_552_DAM

Date of last updated of this record. This field is automatically populated/updated by our front end, not by the user.

Field: **LAST_UPDATE_USER_ID**

Type: VARCHAR2 (30)
Table: WZ_552_DAM

User Id of person who last changed or entered data. This field is automatically populated/updated by our front end, not by the user. EX. STEFFJ

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Field: **LEVEL_COMMENT**
Type: VARCHAR (2)
Table: WZ_552_DAM

This is a comment on the intricacies of determining water levels or required minimum flow.

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Field: **LEVEL_MAX_MSL_FT_AMT**
Type: NUMBER (6, 2)
Table: WZ_552_DAM

Max water level established using mean sea level standards.

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Field: **LEVEL_MAX_SITE_DATUM_ FT_AMT**
Type: NUMBER (5, 2)
Table: WZ_552_DAM

Max water levels established by dam authorization, in feet. When the federal government has jurisdiction, the level may be determined by the federal agency. The value is preferred to be in mean sea level, though other datums or measurements may appear.

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Field: **LEVEL_MIN_MSL_ FT_AMT**
Type: NUMBER (6, 2)
Table: WZ_552_DAM

Normal minimum water level, established using mean sea level standards.

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Field: **LEVEL_MIN_SITE_DATUM_ FT_AMT**
Type: NUMBER (5, 2)
Table: WZ_552_DAM

Minimum water levels as established by dam authorization, in feet.   When the federal government has jurisdiction, the level may be determined by the federal agency. The value is preferred to be in mean sea level. However, other datums or measurements may appear.

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Field: **LEVEL_NORM_MSL_ FT_AMT**
Type: NUMBER (6, 2)
Table: WZ_552_DAM

Normal water level established at mean sea level standards.

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Field: **LEVEL_NORM_SITE_DATUM_ FT_AMT**
Type: NUMBER (5, 2)
Table: WZ_552_DAM

Normal water levels established by dam authorization, in feet. When the federal government has jurisdiction, the level may be determined by the federal agency. The value is preferred to be in mean sea level, though other datums or measurements may appear.

Field: **LL_LAT_DD_AMT**
Type: NUMBER (9, 7)
Table: WZ_552_DAM

Location of the dam in latitude decimal degrees north of the Equator. Originally populated with the centroid of the quarter-quarter of PLSS locations, to be re-populated with corrected locations based on 24k Hydro, or with new GIS locations. Origin of each dam's N_LAT_DD value should be indicated in the LOCATIONAL_METHOD_CODE field.

Field: **LL_LONG_DD_AMT**
Type: NUMBER (10, 7)
Table: WZ_552_DAM

Location of the dam in longitude decimal degrees west of the Meridian. Originally populated with the centroid of the quarter-quarter of PLSS locations, to be re-populated with corrected locations based on 24k Hydro, or with new GIS locations. Origin of each dam's N_LAT_DD value should be indicated in the LOCATIONAL_METHOD_CODE field.

Field: **LOCK_AMT**
Type: NUMBER (2)
Table: WZ_552_DAM

Number of navigational locks at a dam, if any.

Field: **LOCK_LENGTH_FT_AMT**
Type: NUMBER (4)
Table: WZ_552_DAM

Length of navigational lock, if any, in feet.

 Field: **MAX_STORAGE_ACFT_AMT**
Type: NUMBER (8, 1)
Table: WZ_552_DAM

Amount of storage from the bottom of the dam to the top of the dam in acre-feet. EX. 1295

 Field: **MIN_FLOW_CFS_AMT**
Type: NUMBER (8, 1)
Table: WZ_552_DAM

Required minimum flow to be released from the dam at all times if the DNR has set a minumum.

Field: **NAT_DAM_SAFETY_INSPECT_FLAG**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

National Dam Phase 1 Inspection – yes (Y) or no (N)

Field: **NORM_STORAGE_ACFT_AMT**
Type: NUMBER (8, 1)
Table: WZ_552_DAM

Amount of storage from the bottom of the dam to the normal water surface level, in acre-feet. EX. 755

Field: **ORIG_HRZ_COLL_MTHD_CODE**
Type: VARCHAR2 (6)
Table: WZ_552_DAM

Code indicating the method by which the dams location was originally collected. Will be filled from SDE.

Field: **OWNER_CITY**
Type: VARCHAR2 (20)
Table: WZ_552_DAM

Mailing city of dam owner. EX. MILWAUKEE

Field: **OWNER_CONTACT_FIRST_NAME**
Type: VARCHAR2 (12)
Table: WZ_552_DAM

First name of the dam owner. EX. ROBERT   Contact person's name could also go here. If the dam is owned by a larger entity and the contact person is at a different address, leave this blank and put the contact person's name and address in the "alternate contact" section, putting the main company/government headquarter's address the fields following this.

Field: **OWNER_CONTACT_LAST_NAME**
Type: VARCHAR2 (20)
Table: WZ_552_DAM

Last name of dam owner. EX. SMITH   Contact person's last name could go here if owned by company or government. If the contact person's address is different from the owner, put the contact person's info in the section for alternate/other contact info.

Field: **OWNER_CONTACT_MIDDLE_INIT**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Middle initial of the dam owner, if available.

Field: **OWNER_ORGANIZATION_NAME**
Type: VARCHAR2 (44)

Table: WZ_552_DAM

Name of the organization or company that owns a dam. Sometimes this field contains the name of the owner (ex. Smith, John) but generally can be left empty if the dam is owned by an individual. EX. LITTLE GREEN LAKE PROT & REH.

Field: **OWNER_PHONE**
Type: VARCHAR2 (10)
Table: WZ_552_DAM

Phone number of dam owner, operator, or contact person. EX. (920)342-2432

Field: **OWNER_STATE_ABBR**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

State abbreviation of dam owner. EX. WI

Field: **OWNER_STREET**
Type: VARCHAR2 (30)
Table: WZ_552_DAM

Mailing address of dam owner. EX. 1201 FIRST STREET

Field: **OWNER_TYPE_CODE**
Type: VARCHAR2 (4)
Table: WZ_552_DAM

Indicates the type of owner – private individual, company, government, etc., listed as an abbreviation. This field links to the WZ_552_OWNER_TYPE_CODE table and links these abbreviations with the following code descriptions. See the info on table WZ_552_OWNER_TYPE_CODE for a list of abbreviations and descriptions.

Field: **OWNER_ZIP_CODE**
Type: VARCHAR2 (5)
Table: WZ_552_DAM

Zip code of dam owner. EX. 53417

Field: **PERMIT_SURVEY_RANGE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Range location of dam on plans/permit. This is off the basic PLSS, or Town Section Range system. This locational information can easily be found on most maps, and is required for dam permits. This information should be located on original dam permit.

Field: **PERMIT_SURVEY_RANGE_DIR**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Direction of survey range for dam location as recorded on original permit – E for EAST or W for WEST. This is off the basic PLSS, or Town Section Range system. This locational information can easily be found on most maps, and is required for dam permits.

_____

Field: **PERMIT_SURVEY_SECTION**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Section number of the township location of dam on plans/permit. Must be from 1 to 36. This is off the basic PLSS, or Town Section Range system. This locational information can easily be found on most maps, and is required for dam permits. This information should be located on original dam permit.

_____

Field: **PERMIT_SURVEY_TOWNSHIP**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Township location of dam on plans/permit. This is off the basic PLSS, or Town Section Range system. This locational information can easily be found on most maps, and is required for dam permits. This information should be located on original dam permit.

_____

Field: **PERMIT_Q_SECTION**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Quarter section code of survey section, as recorded on original plans/permit – values are NW, NE, SW, SE, N, S, W and E. Field staff often record dam locations in the following manner:

        Located in the SW of the NE of section 15.

This would be entered in the database with Q (this field) being NE, because NE is the larger quarter section and SW is the smaller sub-division (quarter-quarter) contained within.

_____

Field: **PERMIT_QQ_SECTION**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Quarter-quarter section code of the survey section, as recorded on original plans/permit – values are NW, NE, SW, SE, N, S, W and E. Field staff often record dam locations in the following manner:

        Located in the SW of the NE of section 15.

This would be entered in the database with QQ (this field) being SW, because SW is the smaller quarter section, within the larger NE section.

_____

Field: **PERMIT_QQQ_SECTION**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Quarter-quarter-quarter section code of the survey section, as recorded on original plans/permit – values are NW, NE, SW, SE, N, S, W and E. A finer focus of dam location from permit. Most dams only record the Q and QQ, but if the QQQ information is available, this recorded information can be useful.

Field: **PLSS_Q1_SCTN_CHAR_CODE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Quarter section code of survey section of physical dam location – values are NW, NE, SW, SE, N, S, W and E. Field staff often record dam locations in the following manner:

> Located in the SW of the NE of section 15.

This would be entered in the database with Q (this field) being NE, because NE is the larger quarter section and SW is the smaller sub-division (quarter-quarter) contained within.

This field represents the most accurate recording of the dam's true location. In most cases, this field will be the same as PERMIT_Q_SECTION. However, in some cases, a permit is issued and the actual dam construction is in a slightly different location.

This field auto-populates the PLSS_Q1_SCTN_NUM_CODE field with a numeric representation of the Q section.

Field: **PLSS_Q2_SCTN_CHAR_CODE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Quarter-quarter section code of the survey section of physical dam location – values are NW, NE, SW, SE, N, S, W and E. Field staff often record dam locations in the following manner:

> Located in the SW of the NE of section 15.

This would be entered in the database with QQ (this field) being SW, because SW is the smaller quarter section, within the larger NE section.

This field represents the most accurate recording of the dam's true location. In most cases, this field will be the same as PERMIT_QQ_SECTION. However, in some cases, a permit is issued and the actual dam construction is in a slightly different location.

This field auto-populates the PLSS_Q2_SCTN_NUM_CODE field with a numeric representation of the QQ section.

Field: **PLSS_Q1_SCTN_NUM_CODE**
Type: NUMBER (1)
Table: WZ_552_DAM

Numeric representation of the quarter section code of the PLSS survey section location of a dam. PLSS locational information is the most commonly used method for locating dams. These numeric quarter fields are autopopulated when the user fills in the alphabetic quarter locational information. This auto-population is done through…?

Field: **PLSS_Q2_SCTN_NUM_CODE**
Type: NUMBER (1)
Table: WZ_552_DAM

Numeric representation of the quarter-quarter section code of the PLSS survey section location of a dam. PLSS locational information is the most commonly used method for locating dams. These numeric quarter-quarter fields are autopopulated when the user fills in the alphabetic quarter-quarter locational information. This auto-population is done through…?

Field: **PLSS_RNG_ID**
Type: NUMBER (2)
Table: WZ_552_DAM

Range location of physical dam. This is off the basic PLSS, or Town Section Range system. This locational information can easily be found on most maps, and is required for dam permits. This field represents the most accurate recording of the dam's true location. In most cases, this field will be the same as PERMIT_SURVEY_RANGE. However, in some cases, a permit is issued and the actual dam construction is in a slightly different location.

Field: **PLSS_RNG_DIR_CHAR_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Direction of survey range for physical dam location – E for EAST or W for WEST. This is off the basic PLSS, or Town Section Range system. This locational information can easily be found on most maps, and is required for dam permits. This field represents the most accurate recording of the dam's true location. In most cases, this field will be the same as PERMIT_SURVEY_RANGE_DIR. However, in some cases, a permit is issued and the actual dam construction is in a slightly different location.

Field: **PLSS_RNG_DIR_NUM_CODE**
Type: NUMBER (1)
Table: WZ_552_DAM

Numeric representation of the range direction code of the PLSS survey location of a dam. PLSS locational information is the most commonly used method for locating dams. This field is autopopulated from SDE when the user fills in the alphabetic range direction.

Field: **PLSS_SCTN_ID**
Type: NUMBER (2)
Table: WZ_552_DAM

Section number of the township location of physical dam. Must be from 1 to 36. This is off the basic PLSS, or Town Section Range system. This locational information can easily be found on most maps, and is required for dam permits. This field represents the most accurate recording of the dam's true location. In most cases, this field will be the same as PERMIT_SURVEY_RANGE_DIR. However, in some cases, a permit is issued and the actual dam construction is in a slightly different location.

Field: **PLSS_TWN_ID**
Type: NUMBER (2)
Table: WZ_552_DAM

Township location of physical dam. This is off the basic PLSS, or Town Section Range system. This locational information can easily be found on most maps, and is required for dam permits. This information should be located on original dam permit. This field represents the most accurate recording of the dam's true location. In most cases,

this field will be the same as PERMIT_SURVEY_RANGE_DIR. However, in some cases, a permit is issued and the actual dam construction is in a slightly different location.

Field: **PLSS_TRACT_TYPE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Code representing the type of non-standard PLSS tract. Govt Lot = 05.

Field: **PLSS_ENTITY_CODE**
Type: VARCHAR2 (3)
Table: WZ_552_DAM

Code of the non-standard PLSS tract. Eg. Govt lot number 003 would have PLSS_TRACT_TYPE=05, PLSS_ENITIY_CODE=003.

Field: **PURPOSE_TYPE1_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Purpose for which the dam was built or is being used. Up to three purposes may be recorded in the three purpose fields in this table. They will be recorded in order of importance or priority, with the most significant purpose being recorded in this first field.

B – Cranberry	H – Hydroelectric	P – Stock or Small Farm Pond
D – Debris Control	I – Irrigation	S – Water Supply
C – Flood Control	N – Navigation	
F – Fish Pond	R – Recreation	

Field: **PURPOSE_TYPE2_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Purpose for which the dam was built or is being used. Up to three purposes may be recorded in the three purpose fields in this table. They will be recorded in order of importance or priority. See PURPOSE_TYPE1_CODE for more information.

Field: **PURPOSE_TYPE3_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Purpose for which the dam was built or is being used. Up to three purposes may be recorded in the three purpose fields in this table. They will be recorded in order of importance or priority. See PURPOSE_TYPE1_CODE for more information.

Field: **REG_AGENCY_CODE**
Type: VARCHAR2 (8)
Table: WZ_552_DAM

Agency regulating dam. If dam is not regulated, use code for cranberry, not waterway, etc. This field links to the WZ_552_REG_AGENCY_CODE table, which contains abbreviations and descriptions. See the WZ_552_REG_AGENCY_CODE table for a list of elements.

_____

Field: **SPILL_PRNC_DISCHG_CFS_AMT**
Type: NUMBER (8, 1)
Table: WZ_552_DAM

The total discharge through the principal spillway or outlet in cubic feet per second when the impoundment is at the top of the dam. This includes the principle spillway. An approved gate operation plan is required for gated spillway values to be included. However, many existing values include gate values without operation approval.

_____

Field: **SPILL_PRNC_WIDTH_FT_AMT**
Type: NUMBER (5, 1)
Table: WZ_552_DAM

The width or diameter of the spillway(s) available for discharge for pipe spillways, outlet dimensions are taken rather than inlet.

_____

Field: **SPILL_TOT_DISCHG_CFS_AMT**
Type: NUMBER (8, 1)
Table: WZ_552_DAM

Total discharge through all spillways in cfs, when impoundment is at dam top.

_____

Field: **SPILL_TOT_WIDTH_FT_AMT**
Type: NUMBER (5, 1)
Table: WZ_552_DAM

Total width or diameter of spillway(s) on dam, in feet.

_____

Field: **SPILL_TYPE_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Type of spillway – Controlled [C] or Uncontrolled [U]

_____

Field: **STAB_NR333_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

The year that it was determined that the dam met the stability requirements of NR333. If at a later date the dam is found to be out of compliance with this requirement, the date should be deleted and a notation made in the comment section.

_____

Field: **STATUS_CODE**
Type: VARCHAR2 (5)
Table: WZ_552_DAM

Status for special situations with dams – Abandoned, Neglected, Planned, etc. This field links to the WZ_552_STATUS table. See info on WZ_552_STATUS table for a complete listing of abbreviation codes and descriptions of elements for this field.

Field: **STREAM_LOCAL_NAME**
Type: VARCHAR2 (29)
Table: WZ_552_DAM

Unofficial or common name of river, stream or tributary. This is the field you will find the river name in for most dam records, since the official "master waterbody file" name may not be readily accessible. For information on how to access the official master waterbody file, see STREAM_OFFICIAL_NAME. EX. WISCONSIN RIVER, or TRIB TO BLACK CREEK

Field: **STREAM_NAV_FLAG**
Type: VARCHAR2 (1)
Table: WZ_552_DAM

Is stream navigable? Y or N. Care must be taken to note if this determination of navigability was pre or post the degaynor case in 1975. See CH 30 of Water Reg and Zoning Handbook.

Field: **STREAM_NAV_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM

The year that data was entered on stream navigability (the field above). For example, if a new dam is approved in 1999, at the time the new record is added, the stream navigability should be entered as Y or N, and the year (1999) added as well.

Field: **STREAM_NAV_COMMENT**
Type: VARCHAR2 (1000)
Table: WZ_552_DAM

Any comments relating to the navigability of this stream.

Field: **STREAM_OFFICIAL_NAME**
Type: VARCHAR2 (29)
Table: WZ_552_DAM

Officially recognized stream name from the master waterbody file (Register of Waterbodies internet database at http://dnrwlf.dnr.state.wi.us:8890/dnr/pk_swis_home.swis_home). This information is also available on Phase 2 24k Hydro.

Field: **STREAM_WB_CODE**
Type: NUMBER (7)
Table: WZ_552_DAM

A DNR recognized unique ID for waterbodies in Wisconsin. This information is also available on Phase 2 24k Hydro. See STREAM_WB_CODE for information on how to find the official waterbody name and code for waterbodies in Wisconsin.

Field: **STRUC_HT_FT_AMT**
Type: NUMBER (4, 1)
Table: WZ_552_DAM

The structural height of the dam in feet. Specifically, it is the difference in the elevation between the top and the low point of the channel at the downstream toe of the dam, measured in feet. The top of the dam is measured from the lowest point along the top of the dam that is not designed to flow water. The elevation of the downstream toe is approximated by 2-3 feet from the tailwater elevation, if no plan exists.

Field: **STRUC_TYPE1_CODE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Indicator of type of dam structure. Dam is allowed to have up to three types, one each in the three STRUC_TYPE fields. This field links to the WZ_552_STRUC_TYPE_CODE table. See that table for a list of codes and descriptions.

Field: **STRUC_TYPE2_CODE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Indicator of type of dam structure. Dam is allowed to have up to three types, one each in the three STRUC_TYPE fields. This field links to the WZ_552_STRUC_TYPE_CODE table. See that table for a list of codes and descriptions.

Field: **STRUC_TYPE3_CODE**
Type: VARCHAR2 (2)
Table: WZ_552_DAM

Indicator of type of dam structure. Dam is allowed to have up to three types, one each in the three STRUC_TYPE fields. This field links to the WZ_552_STRUC_TYPE_CODE table. See that table for a list of codes and descriptions.

Field: **SWIS_ID**
Type: NUMBER (6)
Table: WZ_552_DAM

Identification number of this dam in the SWIS (Surface Water Integration System). SWIS will generally use the dam_key_seq_no as each dam's unique ID, and thus this field will be left blank UNLESS a user adds a dam to SWIS through the Locator Tool (during editing, skipping pre-processing) PRIOR to adding that dam to Oracle. If SWIS does not contain the dam_key_seq_no for that dam, it will generate a SWIS_ID, which will need to be added to our system in order to track the dam's location.

Field: **TURBINE_MEGAWATT_AMT**
Type: NUMBER (5, 1)
Table: WZ_552_DAM

If hydropower is currently being utilized at the dam, the current megawatt power. 1 HP = 745.7 watts.

Field: **VOLUME_DAM_CY_AMT**
Type: NUMBER (8)
Table: WZ_552_DAM

Volume of fill material in cubic yards.

Field: **WINTER_LVL_MAX_MSL_FT_AMT**
Type: NUMBER (6, 2)
Table: WZ_552_DAM

Max winter water level established using mean sea level standards.

Field: **WINTER_LVL_MAX_SITE_DATUM_ FT_AMT**
Type: NUMBER (5, 2)
Table: WZ_552_DAM

Max winter water level, established by dam authorization, in feet.

Field: **WINTER_LVL_MIN_MSL_ FT_AMT**
Type: NUMBER (6, 2)
Table: WZ_552_DAM

Winter minimum water level as established using mean sea level standards.

Field: **WINTER_LVL_MIN_SITE_DATUM_ FT_AMT**
Type: NUMBER (5, 2)
Table: WZ_552_DAM

Winter minimum water level, established by dam authorization, in feet. When the federal government has jurisdiction, the level may be determined by the federal agency. The value is preferred to be in mean sea level, though other datums or measurements may appear.

Field: **WINTER_LVL_NORM_MSL_ FT_AMT**
Type: NUMBER (6, 2)
Table: WZ_552_DAM

Normal winter water level, established using mean sea level standards.

Field: **WINTER_LVL_NORM_SITE_DATUM_ FT_AMT**
Type: NUMBER (5, 2)
Table: WZ_552_DAM

Normal winterwater level, established by dam authorization, in feet. When the federal government has jurisdiction, the level shall be determined by the federal agency. The value is preferred to be in mean sea level, though other datums or measurements may appear.

Field: **ZONE_NR333_YEAR**
Type: NUMBER (4)

Table: WZ_552_DAM

The year that it was determined that adequate zoning was in place in the hydraulic shadow of the dam to secure the hazard rating in accordance with NR333. If at a later date the dam is found to be out of compliance with this requirement, the date should be deleted and a notation made in the comment section.

Table - WZ_552_DAM_APPROVAL

This table contains approval information on dams in the WZ_552_DAM table. Dates and approving engineers for events such as ownership transfers, plan approvals, etc. are recorded in the WZ_552_DAM_APPROVAL table. Note that not every dam in the WZ_552_DAM table will have a record in this table, while others may have several DAM_APPROVAL records (one-to-many relationship).

Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6), NOT NULL
Table: WZ_552_DAM_APPROVAL

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

Field: **DAM_APPROVAL_SEQ_NO**
Type: NUMBER (8), NOT NULL
Table: WZ_552_DAM_APPROVAL

Unique ID assigned to each record in this table.

Field: **APPROVE_YEAR**
Type: VARCHAR2 (4)
Table: WZ_552_DAM_APPROVAL

Any time an official DNR approval is given, for repairs, grants, hazard ratings, etc, year YYYY of the approval is recorded.

Field: **APPROVE_ENGR_INIT**
Type: VARCHAR2 (3)
Table: WZ_552_DAM_APPROVAL

Initials of the DNR Engineer approving the plan, hazard rating, grant, ext. EX. WMS

Field: **APPROVE_TYPE_CODE**
Type: VARCHAR2 (4)
Table: WZ_552_DAM_APPROVAL

Type of approval, such as plan approval, repairs, grant, hazard rating, etc. This field links to the WZ_552_APPROVAL_TYPE_CODE table. See that table for a list of codes and descriptions.

Field: **DOCKET_ID_PREFIX**
Type: VARCHAR2 (3)
Table: WZ_552_DAM_APPROVAL

This field, along with DISTRICT_ABBREV, PERMIT_YEAR, PERMIT_FILE_NO (and once upon a time, DOCKET_TIE_BREAKER), is the DOCKET ID that allows a link to the permit issued by Water Regulation. The value is generally 003 (3 with 2 spaces in front of it).

Field: **DISTRICT_ABBREV**
Type: VARCHAR2 (2)
Table: WZ_552_DAM_APPROVAL

This field, along with DOCKET_ID_PREFIX, PERMIT_YEAR, PERMIT_FILE_NO (and once upon a time, DOCKET_TIE_BREAKER), is the DOCKET ID that allows a link to the permit issued by Water Regulation. For permits issued before the switch to regions (1997) the value is the district abbreviation. After that, it is the region abbreviation.

Field: **PERMIT_YEAR**
Type: VARCHAR2 (4)
Table: WZ_552_DAM_APPROVAL

This field, along with DOCKET_ID_PREFIX, DISTRICT_ABBREV, PERMIT_FILE_NO (and once upon a time,DOCKET_TIE_BREAKER), is the DOCKET ID that allows a link to the permit issued by Water Regulation. The value is generally the year the permit is issued.

Field: **PERMIT_FILE_NO**
Type: VARCHAR2 (8)
Table: WZ_552_DAM_APPROVAL

This field, along with DOCKET_ID_PREFIX, DISTRICT_ABBREV, PERMIT_YEAR (and once upon a time, DOCKET_TIE_BREAKER), is the DOCKET ID that allows a link to the permit issued by Water Regulation.

Field: **DOCKET_TIE_BREAKER**
Type: VARCHAR2 (2)
Table: WZ_552_DAM_APPROVAL

This field was once used as part of the DOCKET ID that allows a link to the permit issued by Water Regulation. In the permits table this is now filled with the gmu abbreviation.

Field: **APPROVE_MONTH**
Type: VARCHAR2 (2)
Table: WZ_552_DAM_APPROVAL

Any time an official DNR approval is given, for repairs, grants, hazard ratings, etc, month MM of the approval is recorded.

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Table - WZ_552_DAM_CONSTRUCTION

This table contains construction details and information on dams in the WZ_552_DAM table. Construction years, designers, and construction firms are recorded here. Note that not every dam in the WZ_552_DAM table will have

a record in this table, while others may have several DAM_CONSTRUCTION records (one-to-many relationship). This table was created in June 2001 to allow multiple records.

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Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6), NOT NULL
Table: WZ_552_DAM_CONSTRUCTION

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

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Field: **DAM_CONSTRUCTION_SEQ_NO**
Type: NUMBER (8), NOT NULL
Table: WZ_552_DAM_CONSTRUCTION

Unique ID assigned to each record in this table.

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Field: **COMPLETE_YEAR**
Type: NUMBER (4)
Table: WZ_552_DAM_CONSTRUCTION

Year that dam construction or repairs were completed.

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Field: **CONSTRUCTION_FIRM_NAME**
Type: VARCHAR2 (44)
Table: WZ_552_DAM_CONSTRUCTION

Name of the construction firm responsible for building the dam. This would be the firm responsible for original construction, or complete rebuilding / reconstruction

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Field: **DESIGNER_NAME**
Type: VARCHAR2 (44)
Table: WZ_552_DAM_CONSTRUCTION

Name of engineer, firm, or government agency that designed the dam.

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Field: **LAST_UPDATE_DATE**
Type: DATE
Table: WZ_552_DAM_CONSTRUCTION

Date of last updated of this record. This field is automatically populated/updated by our front end, not by the user.

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Field: **LAST_UPDATE_USER_ID**
Type: VARCHAR2 (30)
Table: WZ_552_DAM_CONSTRUCTION

User Id of person who last changed or entered data. This field is automatically populated/updated by our front end, not by the user.   EX. STEFFJ

Table - WZ_552_DAM_ENVIRON_CONCERN

This table contains environmental concerns on dams in the WZ_552_DAM table. Dates, concerns and explainations for events are recorded in the WZ_552_DAM_ENVIRON_CONCERN table. Note that not every dam in the WZ_552_DAM table will have a record in this table, while others may have several DAM_ENVIRON_CONCERN records (one-to-many relationship).

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Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6), NOT NULL
Table: WZ_552_DAM_ENVIRON_CONCERN

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

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Field: **DAM_ENVIRON_CONCERN_SEQ_NO**
Type: NUMBER (8)
Table: WZ_552_DAM_ENVIRON_CONCERN

Unique ID assigned to each record in this table.

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Field: **SELECT_CODE**
Type: NUMBER (2)
Table: WZ_552_DAM_ENVIRON_CONCERN

Represents a pre-determined environmental concern or category. This field links to the WZ_552_ENVIRON_CONCERN table. Once user selects a representative code off that list, the CONCERN field is auto-populated with that concern. See the WZ_552_ENVIRON_CONCERN table for a full list of codes and descriptions.

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Field: **CONCERN**
Type: VARCHAR2 (35)
Table: WZ_552_DAM_ENVIRON_CONCERN

This field is auto-populated with a "concern" from the WZ_552_ENVIRON_CONCERN table when the user enters a value in the SELECT_CODE field. See above for more information.

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Field: **SOURCE**
Type: VARCHAR2 (15)
Table: WZ_552_DAM_ENVIRON_CONCERN

Source of the report of environmental concern (agency initials, report).

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Field: **YEAR**
Type: VARCHAR2 (4)
Table: WZ_552_DAM_ENVIRON_CONCERN

Year that the environmental concern is recorded or noted. YYYY

Field: **COMMENTS**
Type: VARCHAR2 (100)
Table: WZ_552_DAM_ENVIRON_CONCERN

User's comments regarding the environmental concern.

Table - WZ_552_DAM_FOLLOWUP

This table contains inspection followup information on dams in the WZ_552_DAM table. Dates, work that needs to be done, and specific information are recorded in the WZ_552_DAM_FOLLOWUP table. Note that not every dam in the WZ_552_DAM table will have a record in this table, while others may have several DAM_FOLLOWUP records (one-to-many relationship).

Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (8), NOT NULL
Table: WZ_552_DAM_FOLLOWUP

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

Field: **DAM_FOLLOWUP_SEQ_NO**
Type: NUMBER (6)
Table: WZ_552_DAM_FOLLOWUP

Unique ID assigned to each record in this table.

Field: **DUE_DATE**
Type: DATE
Table: WZ_552_DAM_FOLLOWUP

Due date that DNR-ordered repairs or additions such as adding signs or repairing concrete are due. Generally one full year after inspection, unless the order is of a nature that requires more or less time.

Field: **EXTENSION_DATE**
Type: DATE
Table: WZ_552_DAM_FOLLOWUP

If the due date listed above is extended, this is the new extension date.

Field: **COMPLETE_DATE**
Type: DATE
Table: WZ_552_DAM_FOLLOWUP

Date that any DNR-ordered repairs or additions were completed.

Field: **FOLLOWUP_CODE**
Type: NUMBER (2)
Table: WZ_552_DAM_FOLLOWUP

Numeric code indicating what type of repair, maintenance or additions needs to be done on a dam, noted during the inspection. This field links to the WZ_552_FOLLOWUP_CODE table, which contains the code and a description of the code. See that table for details.

Field: **FOLLOWUP_SUB_CODE**
Type: NUMBER (2)
Table: WZ_552_DAM_FOLLOWUP

Numeric code indicating further detail on the main code listed above – breaks down concrete repairs, for example, and allows users to choose details on the nature of the concrete repairs that needs to be done on a dam. This field links to the WZ_552_FOLLOWUP_SUB table, which contains the code and a description of the code. See that table for details.

Field: **OLD_DESCRIPTION**
Type: VARCHAR2 (69)
Table: WZ_552_DAM_FOLLOWUP

Prior to the addition of the WZ_552_FOLLOWUP_CODE and WZ_552_FOLLOWUP_SUB tables being added to the database, users were supposed to type out the type of work that needed to be done on a dam. Users can no longer access this field through the interface, but it stores information on dam that do no have followup codes recorded.

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Table - WZ_552_DAM_INCIDENT

This table contains incident reports on dams in the WZ_552_DAM table. Dates and details for events such as dam failures are recorded in the WZ_552_DAM_INCIDENT table. Note that not every dam in the WZ_552_DAM table will have a record in this table, while others may have several DAM_INCIDENT records (one-to-many relationship).

Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6), NOT NULL
Table: WZ_552_DAM_INCIDENT

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

Field: **DAM_INCIDENT_SEQ_NO**
Type: NUMBER (8), NOT NULL
Table: WZ_552_DAM_INCIDENT

Unique ID assigned to each record in this table.

Field: **INCIDENT_DATE**
Type: DATE

Table: WZ_552_DAM_INCIDENT

Date that the incident occurred.

Field: **INCIDENT_CAUSE_CODE**
Type: NUMBER (2)
Table: WZ_552_DAM_INCIDENT

Numeric code representing the cause of incident. This field links to the lookup table WZ_552_CAUSE_CODE, which contains these codes and their descriptions. See that table for more details.

Field: **INCIDENT_EFFECT_CODE**
Type: NUMBER (2)
Table: WZ_552_DAM_INCIDENT

Numeric code representing the effect of incident. This field links to the lookup table WZ_552_EFFECT_CODE, which contains these codes and their descriptions. See that table for more details.

Field: **INCIDENT_DESC**
Type: VARCHAR2 (120)
Table: WZ_552_DAM_INCIDENT

Comments field for user to report their comments and details on the incident.

Table - WZ_552_DAM_INSPECTION

This table contains information about inspections on dams in the WZ_552_DAM table. Dates, inspector name and nature of the inspection are recorded in the WZ_552_DAM_INSPECTION table. Many dams will have several DAM_INSPECTION records (one-to-many relationship). This table allows staff to record the most recent inspection, but still be able to look back for information on prior inspections.

Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6), NOT NULL
Table: WZ_552_DAM_INSPECTION

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

Field: **DAM_INSPECTION_SEQ_NO**
Type: NUMBER (8), NOT NULL
Table: WZ_552_DAM_INSPECTION

Unique ID assigned to each record in this table.

Field: **REG_AGENCY_INSP_DATE**
Type: DATE

Table: WZ_552_DAM_INSPECTION

Date of regulatory agency inspection.

Field: **REG_AGENCY_INSP_REPORT_DATE**
Type: DATE
Table: WZ_552_DAM_INSPECTION

Date on formal report on inspection or letter to dam owner.   This may often be several days or weeks after the actual inspection.

Field: **REG_AGENCY_SCHED_YR**
Type: VARCHAR2 (4)
Table: WZ_552_DAM_INSPECTION

Date of next scheduled inspection. For large dams, this is generally 10 years after the last inspection, but may be sooner if circumstances warrant. Small dams do not have regularly scheduled inspections. For example, if a dam was inspected on 7/8/01, the next scheduled inspection year would be 2011.

Field: **DNR_ENGR_INIT**
Type: VARCHAR2 (3)
Table: WZ_552_DAM_INSPECTION

Initials of DNR Engineer performing the inspection or visit. This field links to the WZ_552_ENGR_INIT table, to the APPROVE_ENGR_INIT field. Users are to choose the initials off a pulldown list in the interface.

Field: **REG_AGENCY_INSP_TYPE**
Type: VARCHAR2 (5)
Table: WZ_552_DAM_INSPECTION

Type of the inspection, such as a formal inspection, or a brief inspection as a result of the call of a dam neighbor. This field links to the WZ_552_INSPECTION_TYPE_CODE table, to the INSPECTION_TYPE_CODE field. Users are to choose the type of inspection off a pulldown list in the interface.

Field: **LAST_UPDATE_DATE**
Type: DATE
Table: WZ_552_DAM_INSPECTION

Date of last updated of this record. This field is automatically populated/updated by our front end, not by the user.

Field: **LAST_UPDATE_USER_ID**
Type: VARCHAR2 (30)
Table: WZ_552_DAM_INSPECTION

User Id of person who last changed or entered data. This field is automatically populated/updated by our front end, not by the user. EX. STEFFJ

Table - WZ_552_DAM_ORDER

This table contains official DNR orders on dams in the WZ_552_DAM table. Dates and details for orders such as inadequate stability, or threat to life and property are recorded in the WZ_552_DAM_ORDER table. Note that not every dam in the WZ_552_DAM table will have a record in this table, while others may have several DAM_ORDER records (one-to-many relationship).

Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6)
Table: WZ_552_DAM_ORDER

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

Field: **ISSUED_DATE**
Type: DATE
Table: WZ_552_DAM_ORDER

Date an official DNR order, such as inadequate stability and threat to life and property, was given.

Field: **COMPLIED_DATE**
Type: DATE
Table: WZ_552_DAM_ORDER

Date that official DNR order was complied with.

Field: **ORDER_DESC**
Type: VARCHAR2 (75)
Table: WZ_552_DAM_ORDER

Order description and details, text on what order was given.

Field: **DOCKET_ID_PREFIX**
Type: CHAR (3)
Table: WZ_552_DAM_ORDER

This field, along with DISTRICT_ABBREV, PERMIT_YEAR, PERMIT_FILE_NO (and once upon a time, DOCKET_TIE_BREAKER), is the DOCKET ID that allows a link to the permit issued by Water Regulation. The value is generally 003 (3 with 2 spaces in front of it).

Field: **DISTRICT_ABBREV**
Type: CHAR (2)
Table: WZ_552_DAM_ORDER

This field, along with DOCKET_ID_PREFIX, PERMIT_YEAR, PERMIT_FILE_NO (and once upon a time, DOCKET_TIE_BREAKER), is the DOCKET ID that allows a link to the permit issued by Water Regulation. For permits issued before the switch to regions (1997) the value is the district abbreviation. After that, it is the region abbreviation.

Field: **PERMIT_YEAR**
Type: CHAR (4)
Table: WZ_552_DAM_ORDER

This field, along with DOCKET_ID_PREFIX, DISTRICT_ABBREV, PERMIT_FILE_NO (and once upon a time,DOCKET_TIE_BREAKER), is the DOCKET ID that allows a link to the permit issued by Water Regulation. The value is generally the year the permit is issued.

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Field: **PERMIT_FILE_NO**
Type: CHAR (8)
Table: WZ_552_DAM_ORDER

This field, along with DOCKET_ID_PREFIX, DISTRICT_ABBREV, PERMIT_YEAR (and once upon a time, DOCKET_TIE_BREAKER), is the DOCKET ID that allows a link to the permit issued by Water Regulation.

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Field: **DOCKET_TIE_BREAKER**
Type: CHAR (2)
Table: WZ_552_DAM_ORDER

This field was once used as part of the DOCKET ID that allows a link to the permit issued by Water Regulation. In the permits table this is now filled with the gmu abbreviation.

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Table - WZ_552_DAM_OUTLET_GATE

This table contains information on outlet gets of dams recorded in WZ_552_Dam. Note that not every dam in the WZ_552_DAM table will have a record in this table, while others may have several DAM_OUTLET_GATE records (one-to-many relationship).

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Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6), NOT NULL
Table: WZ_552_DAM_OUTLET_GATE

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

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Field: **DAM_OUTLET_GATE_SEQ_NO**
Type: NUMBER (8), NOT NULL
Table: WZ_552_ OUTLET_GATE

Unique ID for records in this table.

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Field: **OUTLET_GATE_TYPE_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_ OUTLET_GATE

Code used to indicate the type of spillway and outlet gate. This field links to a lookup table, WZ_OUTLET_GATE_TYPE_CODE. These codes have been established by the National Inventory of Dams, and are used by NID.

Field: **OUTLET_GATE_AMT**
Type: NUMBER (3)
Table: WZ_552_ OUTLET_GATE

This field records the number of outlet gates for that particular dam and gate type.

Field: **LAST_UPDATE_DATE**
Type: DATE
Table: WZ_552_OUTLET_GATE

Date of last updated of this record. This field is automatically populated/updated by our front end, not by the user.

Field: **LAST_UPDATE_USER_ID**
Type: VARCHAR2 (11)
Table: WZ_552_ OUTLET_GATE

User Id of person who last changed or entered data. This field is automatically populated/updated by our front end, not by the user. EX. STEFFJ

Table - WZ_552_DAM_PHOTO

This table contains information about photos that are stored on the CentralWWI/libraries server. Contents of this table will be updated by staff as new photos are entered in the library. The DAM_KEY_SEQ_NO field links this table to the main WZ_552_DAM table.

Field: **DAM_KEY_SEQ_NO**
Type: NUMBER (6), NOT NULL
Table: WZ_552_DAM_PHOTO

Unique ID assigned to each dam. This field links the records of this table to the corresponding dam in WZ_552_DAM.

Field: **DAM_PHOTO_SEQ_NO**
Type: NUMBER (8), NOT NULL
Table: WZ_552_DAM_PHOTO

Unique ID for records in this table.

Field: **PHOTO_DATE**
Type: DATE
Table: WZ_552_DAM_PHOTO

Date that the photo was taken.

Field: **PHOTO_ACTIVITY_CODE**
Type: VARCHAR2 (50)
Table: WZ_552_DAM_PHOTO

This field represents the activity that prompted the taking of the photo.

CONSTRUCTION/REPAIRS   DRAW DOWN
EMERGENCY RESPONSE   ENFORCEMENT
FAILURE   GENERAL
INSPECTION   LEVELS
OTHER   REMOVAL

Field: **DAM_DEFICIENCY_CODE**
Type: VARCHAR2 (50)
Table: WZ_552_DAM_PHOTO
This field represents the deficiency of the dam.

CONCRETE   CRACK
EMBANKMENT   GATES
NONE SPECIFIC   OTHER
SCOUR   SEEPAGE
SLUMPING   VEGETATION

Field: **DAM_FEATURE_CODE**
Type: VARCHAR2 (50)
Table: WZ_552_DAM_PHOTO
This field represents the feature of the dam.

DRAINS   EMERGENCY SPILLWAY
GATES   INLETS
LIFT/OPERATOR   MILLRACE/POWERHOUSE
NONE SPECIFIC   OTHER
OUTLETS   SPILLWAYS

Field: **CAPTION_DESCRIPTION**
Type: VARCHAR2 (50)
Table: WZ_552_DAM_PHOTO

This is the caption that describes the photo.

Field: **FILE_NAME**
Type: VARCHAR2 (80)
Table: WZ_552_DAM_PHOTO

The name of the electronic photo file.

Field: **LAST_UPDATE_DATE**
Type: DATE
Table: WZ_552_DAM_PHOTO

Date of last update to this record. This field is automatically populated/updated by our front end, not by the user.

Field: **LAST_UPDATE_USER_ID**
Type: VARCHAR2 (30)

Table: WZ_552_DAM_PHOTO

User Id of person who last changed or entered data. This field is automatically populated/updated by our front end, not by the user.   EX. STEFFJ

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Table - WZ_552_EFFECT_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The INCIDENT_EFFECT_CODE field links this table to the main WZ_552_DAM table.

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Field: **INCIDENT_EFFECT_CODE**
Type: NUMBER (4)
Table: WZ_552_EFFECT_CODE

Effect of an incident. This field links to the WZ_552_DAM_INCIDENT table. The following numeric codes relate to the INCIDENT_EFFECT_DESC field.

1	MAJOR DAMAGE	10	DAMAGE TO DOWNSTREAM PROPERTY
2	MINOR DAMAGE	11	DAMAGE TO UPSTREAM PROPERTY
3	EMBANKMENT FAILURE	12	EMERGENCY ACTION PLAN ACTIVATED
4	EMERGENCY SPILLWAY DAMAGE	13	EVACUATION
5	PRINCIPAL SPILLWAY DAMAGE	14	UNABLE TO FILL IMPOUNDMENT
6	GATE DAMAGE	15	INJURY
7	EMBANKMENT EROSION	16	DEATH
8	OVERTOPPING OF EMBANKMENTS OR ABUTMENTS	17	FISH KILL
9	EROSION OF GROIN	18	OTHER - SEE COMMENTS

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Field: **INCIDENT_EFFECT_DESC**
Type: VARCHAR2 (40)
Table: WZ_552_EFFECT_CODE

This field contains the descriptions of incident effects. See INCIDENT_EFFECT_CODE for the list of values in this table.

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Table - WZ_552_ENGR_INITIALS

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The APPROVE_ENGR_INIT field links this table to the WZ_552_DAM_APPROVAL table.

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Field: **APPROVE_ENGR_INIT**
Type: NUMBER (3)
Table: WZ_552_ENGR_INITIALS

This table links to the WZ_552_DAM_APPROVAL table, and contains initials and last name descriptions of dam safety program engineers. The following lists the contents of this table.

AA	ARMSTRONG	LT	TORGERSON
BB	BINDER	MAR	RIEBAU
DAS	STITGEN	MB	BRUCH
DGB	BAUMANN	MMG	GALLOWAY
DJC	COKE	MS	STEPHENSON, M
DND	DANIEL	RJK	KNITTER
DP	PEERENBOOM	RN	NERENG
FMD	DALLAM	RV	VOGT
GL	LEPAK	RWS	SONNTAG
GS	STINSON	SGJ	JOSHEFF
JRP	PARENT	TC	CUMMINGS
JS	STEPHENSON, J	TEF	FOX
KEM	MARGOVSKY	WDS	STURTEVANT
KGJ	JOHNSON	WMS	WATER MGMT. SPECIAL.
LJH	HYATT	XXX	OTHERS - SEE COMMENT

Field: **APPROVE_ENGR_LAST_NAME**
Type: VARCHAR2 (20)
Table: WZ_552_ENGR_INITIALS

This field contains the last names of engineers in the dam safety program. See APPROVE_ENGR_INIT for a list of values for this field.

Table - WZ_552_ENVIRON_CONCERN

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The SELECT_CODE field links this table to the WZ_552_DAM_ENVIRON_CONCERN table.

Field: **SELECT_CODE**
Type: NUMBER (2)
Table: WZ_552_ENVIRON_CONCERN

This field contains numeric codes refering to a pre-determined concern. See the CONCERN field for a list of codes and descriptions. This field links to the WZ_552_DAM_ENVIRON_CONCERN table.

Field: **CONCERN**
Type: VARCHAR2 (35)
Table: WZ_552_ENVIRON_CONCERN

Code	Concern	*Text*
1	NO FISH PASSAGE	
		A FISH PASSAGE HAS NOT BEEN PROVIDED.
2	DOWNSTREAM MIGRATION OF FISH LIKELY	
3	INADEQUATE FISH PASSAGE	
		A FISH PASSAGE IS SUSPECT OF NOT PERFORMING PROPERLY.
4	FISH ENTRAINMENT	
		FISH KILL RESULTING FROM TURBINE OR GATE PASSAGE.
5	INADEQUATE FISH POP. WITHIN RESERV.	

6   FISH STRANDING
                FISH ARE STRANDED AS A RESULT OF FLUCTUATING WATER LEVELS
                DURING NORMAL OPERATIONS OR SPECIAL DRAWDOWNS.
7   LOW OXYGEN LEVELS UPSTREAM
                OXGEN LEVELS FALL BELOW ACCEPTABLE LEVELS DUE TO PONDING,
                SHALLOW IMPOUNDMENT OR SILTATION.
8   WATER WARMING UPSTREAM
                DUE TO SHALLOW DEPTH AND/OR SURFACE AREA WATER WARMING IS
                A CONCERN.
9   SILTATION – UPSTREAM
                DUE TO DECREASED VELOCITIES SILTATION OCCURS REDUCING
                POND DEPTH, WATER CLARITY AND/OR OXYGEN LEVEL.
10   VARIABLE DISCHARGE – DOWNSTREAM
                FLUCURATIONS IN OPERATION OR LACK OF ADEQUATE FLOW FOR
                AQUATICS.
11   VARIABLE LEVELS – UPSTREAM
                VARIABLE LEVELS UPSTREAM CAUSED BY OPERATION EFFECT
                SPAWNING OR FISH.
12   ENDANGERED SPECIES - DOWNSTREAM
13   ENDANGERED SPECIES - UPSTREAM
14   STREAM LISTED AS OUTSTANDING/EXCEP. (NR 102)
99   OTHER - SEE DAM COMMENTS

Field: **TEXT**
Type: VARCHAR2 (110)
Table: WZ_552_ENVIRON_CONCERN

This field contains additional text on the environmental concern, beyond that stored in the description. Not all concern codes have additional text.

Table - WZ_552_FOLLOWUP_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The FOLLOWUP_CODE field links this table to the WZ_552_DAM_FOLLOWUP table.

Field: **FOLLOWUP_CODE**
Type: NUMBER (2)
Table: WZ_552_FOLLOWUP_CODE

This field contains numeric codes refering to necessary repairs or actions noted after an inspection. Below is a list of the codes and descriptions in this table. This field links to the WZ_552_DAM_FOLLOWUP table.

1	EMBANKMENT REPAIRS	9	BOTTOM DRAW GATE
2	SEEPAGE/DRAINAGE	10	STILLING BASIN
3	CONCRETE REPAIRS	11	SCOUR
4	MASONRY REPAIRS	12	DEBRIS
5	STOPLOGS	13	EMERGENCY SPILLWAY
6	GATE(S)	14	POWERHOUSE
7	OUTLET CONDUIT	15	RACEWAY/CANAL
8	PREP & PAINT METAL COMPONENTS	16	SIGNING

17 RESTRAINING MECHANISM
18 FENCING/RAILING
19 BENCHMARKS
20 LEVELS
21 GAGES
22 DRAWDOWN IMPOUNDMENT (SEE ORDERS)
23 INSPECTION, OPERATION & MAINTENANCE MANUAL
24 STABILITY ANALYSIS
25 DAM FAILURE ANALYSIS

26 EMERGENCY ACTION PLAN
27 FLOOD WARNING SYSTEM
28 PLAN APPROVAL
29 PERMIT
30 REPAIR OR ABANDON
31 OWNERSHIP, TRANSFER
32 ACCESS
33 SUBMIT DOCUMENTATION
34 SPILLWAY CAPACITY
35 SCHEDULE
36 OTHER

Field: **FOLLOWUP_DESC**
Type: VARCHAR2 (50)
Table: WZ_552_FOLLOWUP_CODE

This field contains the descriptions of the followup codes. See FOLLOWUP_CODE field for details.

Table - WZ_552_FOLLOWUP_SUB

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The FOLLOWUP_CODE and FOLLOWUP_SUB_CODE fields links this table to the WZ_552_DAM_FOLLOWUP table.

Field: **FOLLOWUP_CODE**
Type: NUMBER (2)
Table: WZ_552_FOLLOWUP_SUB

This field contains numeric codes refering to necessary repairs or actions noted after an inspection. Each FOLLOWUP_CODE links to several subcodes. See the FOLLOWUP_SUB_CODE field for further details. This field links to the WZ_552_DAM_FOLLOWUP table.

Field: **FOLLOWUP_SUB_CODE**
Type: NUMBER (2)
Table: WZ_552_FOLLOWUP_SUB

This field contains the numeric codes refering to details on repairs or actions noted after an inspection. Each subcode links to another code, from the FOLLOWUP_CODE field. See Appendix A for a list of codes and descriptions.

Field: **FOLLOWUP_SUB_DESC**
Type: VARCHAR2 (65)
Table: WZ_552_FOLLOWUP_SUB

This field contains text descriptions of the sub_codes. See Appendix A for a detailed list.

Table - WZ_552_FOUNDATION_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The FOUNDATION_TYPE_CODE field links this table to the main WZ_552_DAM table.

Field: **FOUNDATION_TYPE_CODE**
Type: VARCHAR2 (5)
Table: WZ_552_FOUNDATION_TYPE_CODE

This field contains the code used to indicate the foundation type. These codes were developed by the National Inventory of Dams, and are used by NID.

R	Rock
RS	Rock and Soil
S	Soil
U	Unlisted/Unknown

Field: **FOUNDATION_TYPE_DESC**
Type: VARCHAR2 (50)
Table: WZ_552_FOUNDATION_TYPE_CODE

This field contains the description associated with the code in FOUNDATION_TYPE_CODE. These codes were developed by the National Inventory of Dams, and are used by NID. See FOUNDATION_TYPE_CODE for a list of values.

Table - WZ_552_INSPECTION_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The INSPECTION_TYPE_CODE field links this table to the WZ_552_DAM_INSPECTION table.

Field: **INSPECTION_TYPE_CODE**
Type: VARCHAR2 (5)
Table: WZ_552_INSPECTION_TYPE_CODE

This field contains the code used to indicate the type of inspection, such as formal inspection or informal visit. Values of this table will be populated in the near future.

31.19	Inspection conducted under Chapter 31.19(2) of the state statutes
TRANS	Transfer Inspection
LEVEL	Inspection for the purpose of setting or checking water levels
CONST	Construction inspection
FINAL	Final inspection for grant under Chapter 31.385 state statutes
CHECK	Informal inspection to check on status or progress on work directives
ENFOR	Inspection related to a formal enforcement action at a dam

Field: **INSPECTION _TYPE_DESC**

Type: VARCHAR2 (70)
Table: WZ_552_ INSPECTION _TYPE_CODE

This field contains the description associated with the code in INSPECTION_TYPE_CODE.

Table - WZ_552_OUTLET_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The OUTLET_GATE_TYPE_CODE field links this table to the WZ_552_DAM_OUTLET_GATE table.

Field: **OUTLET_GATE_TYPE_CODE**
Type: VARCHAR2 (1)
Table: WZ_552_ OUTLET_GATE_TYPE_CODE

This field contains the code used to indicate the type of outlet gate. These codes were developed by the National Inventory of Dams, and are used by NID.

X	12	None	D	10	Drume
U	1	Uncontrolled	N	5	Needle
T	2	Tainter (radial)	F	11	Flap
L	3	Vertical Lift	S	4	Slide (sluice gate)
R	8	Roller	V	6	Valve
B	9	Bascule	O	7	Other Controlled, inc. stoplog

Field: **OUTLET_GATE_TYPE_ORDER_NO**
Type: NUMBER (2)
Table: WZ_552_ OUTLET_GATE_TYPE_CODE

The order in which outlet gate types should appear in drop down list. See OUTLET_GATE_TYPE_CODE for a list of values.

Field: **OUTLET_GATE_TYPE_DESC**
Type: VARCHAR2 (50)
Table: WZ_552_ OUTLET_GATE_TYPE_CODE

This field contains the description associated with the code in OUTLET_GATE_TYPE_CODE. See OUTLET_GATE_TYPE_CODE for a list of values.

Table - WZ_552_OWNER_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The OWNER_TYPE_CODE field links this table to the main WZ_552_DAM table.

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Field: **OWNER_SEQ**
Type: NUMBER (2)
Table: WZ_552_OWNER_TYPE_CODE

Indiciates the order in which type codes will be displayed in user interface, based on priority and frequency of use of that particular code. See below for contents.

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Field: **OWNER_TYPE_CODE**
Type: VARCHAR2 (4), NOT NULL
Table: WZ_552_OWNER_TYPE_CODE

Code representing the type of ownership of a dam. See below for list of codes, descriptions and sequences.

SEQ	CODE	NAT	DESC
1	TOWN	L	TOWN
2	VILL	L	VILLAGE
3	CITY	L	CITY
4	CO	L	COUNTY
5	LCD	L	COUNTY LAND CONSERVATION DISTRICT
6	LA	L	STATUTORY LAKE DISTRICT
7	DNR	S	DEPARTMENT OF NATURAL RESOURCES
8	DOT	S	DEPARTMENT OF TRANSPORTATION
9	DRN	L	DRAINAGE DISTRICT
10	CRAN	P	DAM FOR PURPOSE OF RAISING CRANBERRIES
11	COE	F	CORPS OF ENGINEERS
12	USDD	F	DEPT OF DEFENSE
13	USDI	F	DEPT OF INTERIOR
14	USDA	F	DEPT OF AGRICULTURE
15	USFS	F	DEPT OF AG. - FOREST SERVICE
16	PRIV	P	PRIVATE OWNERSHIP
17	UTIL	U	UTILITY COMPANY

Field: **OWNER_DESC**
Type: VARCHAR2 (65)
Table: WZ_552_OWNER_TYPE_CODE

This field contains descriptions of the codes used to indicate type of ownership. See OWNER_TYPE_CODE field for a list of values.

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Table - WZ_552_PURPOSE_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The PURPOSE_TYPE_CODE field links this table to the main WZ_552_DAM table.

Field: **PURPOSE_TYPE_CODE**
Type: VARCHAR2 (1), NOT NULL
Table: WZ_552_OWNER_TYPE_CODE

This field contains codes indicating the purpose of the dam – why it was built and what it is used for currently.

C	FLOOD CONTROL & STORM WATER MANAGEMENT
D	DEBRIS CONTROL
F	FISH POND, AQUA CULTURE & WILDLIFE
H	HYDROELECTRIC
I	IRRIGATION
L	LEVEE
N	NAVIGATION
O	OTHER - CRANBERRY, WETLAND RESTORE,WASTE
P	STOCK OR SMALL FARM POND OR FIRE PROTCTN
R	RECREATION
S	WATER SUPPLY
T	TAILINGS/MINING

Field: **PURPOSE_DESC**
Type: VARCHAR2 (40)
Table: WZ_552_OWNER_TYPE_CODE

This field contains descriptions of the codes used to indicate the purpose of the dam. See PURPOSE_TYPE_CODE for a list of values.

Table - WZ_552_REG_AGENCY_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The REG_AGENCY_CODE field links this table to the main WZ_552_DAM table.

Field: **REG_AGENCY_CODE**
Type: VARCHAR2 (8), NOT NULL
Table: WZ_552_REG_AGENCY_CODE

The following field contains codes representing the type of agency with regulation over a particular dam.

CE	US ARMY, CORPS OF ENGINEERS
CRAN	CRANBERRY DAM
DATCP	DEPT OF AG., TRADE & CONSUMER PROTECTION
DOD USA	US DEPT OF DEFENSE, US ARMY
DOI BIA	US DEPT OF INTERIOR, BUREA OF INDIAN AFF
DOI FWS	US DEPT OF INTERIOR, FISH AND WILDLIFE
FERC	FEDERAL ENERGY & REGULATORY COMMISSION
MNDNR	MINNESOTA DNR
NOWAY	NO WATERWAY
USDA FS	US DEPT OF AG, FOREST SERVICE
USDA SCS	US DEPT OF AG, SOIL CONSERVATION SERVICE
USDOI	US DEPT OF INTERIOR (USFS)

USSDOD	US DEPT OF DEFENSE (COE)
WIDNR	WISCONSIN DNR
WIDNR-EX	WISCONSIN DNR - FERC EXEMPT STATUS

Field: **REG_AGENCY_DESC**
Type: VARCHAR2 (45)
Table: WZ_552_REG_AGENCY_CODE

The following field contains descriptions of the codes used to indicate regulatory agency. See REG_AGENCY_CODE for values.

Table - WZ_552_STATUS

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The STATUS field links this table to the main WZ_552_DAM table.

Field: **STATUS**
Type: VARCHAR2 (5), NOT NULL
Table: WZ_552_STATUS

This field contains abbreviations on the status of a dam – if it is planned, abandoned, potentially environmentally dangerous, and so on.

HOT	POTENTIAL ENVIRONMENTAL CONCERN SEE PAGE 9
ABAND	ABANDONED PER NR333 (REMOVED) OR TO DEPT SATIFACTN
LEVEE	LEVEE
MULTI	MULTIPLE OWNERSHIP
NEGL	NEGLECTED
OWNER	OWNERSHIP UNCLEAR
PLAND	PLANS APPROVED BUT NOT CONFIRMED AS BUILT
UNBLT	PERMIT ISSUED, DAM NOT BUILT, NO PLANS TO BUILD
NOWAT	DAM NOT ON WATER, DETERMINED AT CONSTRUCTION

Field: **STATUS_DESC**
Type: VARCHAR2 (50)
Table: WZ_552_STATUS

This field contains descriptions of the status codes. See STATUS field for details.

Table - WZ_552_STRUC_TYPE_CODE

This table is used as a lookup table in the Dams database. Contents of this table are only rarely updated, and are not updated by general program users or staff. The STRUC_TYPE_CODE field links this table to the main WZ_552_DAM table.

Field: **STRUC_TYPE_CODE**

Type: VARCHAR2 (2), NOT NULL
Table: WZ_552_STRUC_TYPE_CODE

This field contains codes indicating what type of structure a dam is – earth, stone, concrete, etc.

CB	BUTTRESS	PG	GRAVITY
CN	CONCRETE	RE	EARTH
ER	ROCKFILL	ST	STONE
MS	MASONRY	TC	TIMBER CRIB
MV	MULTI-ARCH	VA	ARCH
OT	OTHER		

Field: **STRUC_TYPE_DESC**
Type: VARCHAR2 (15)
Table: WZ_552_STRUC_TYPE_CODE

This field contains the descriptions of structure type codes. See STRUC_TYPE_CODE for values.

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