

Technical Bulletin: Constructed Drain Data Class Change

Data Class Affected: **Constructed Drain**

Data Class Version #: **2**

Change Effective Date: **August 6, 2009**

Overview:

1. Conversion to Simple Class which involves the removal of the Geographic Unit table and the addition of attributes to the data class table previously carried in the Geographic Unit table;
2. Addition of several new attributes;
3. Data conversion for previously existing attributes (Last Cleanout Year, Construction Year)

Action Required: Users of this data need to be aware that the structure has changed in the LIO Warehouse as well as the LIO WMS. Users may need to modify any existing programs they may have to continue to make use of this data. Users should download a complete updated data set from the [LIO Warehouse](#).

Summary of Changes:

Type ^a	Target ^b	Description ^c
Lookup Table: Added	Drain_Activity_List	Lookup table for the types of Drain Activities that can be conducted.
Table: Added	DRAIN_ACTIVITY	Addition of a 1-M table called DRAIN_ACTIVITY to capture prescriptions to be carried out in a given year on a constructed drain.
Table: Check Constraint added	CONSTRUCTED_DRAIN.Legal Status	Added a valid value of 'Natural' to the permissible values list. Natural refers to a natural watercourse that has had no anthropogenic (i.e. human) influences or has been designated as a natural watercourse by the court.
Table: Check Constraint added	CONSTRUCTED_DRAIN.Drain_Legal_Status	Added the value 'Natural' to the list of valid values. This is to reflect the business requirement to capture watercourses that have had no anthropogenic (i.e. human) influences or have been designated as natural watercourses by the courts.
Table: Column Check Constraint Modified	CONSTRUCTED_DRAIN.Drain_Legal_Status	Added a value for 'Natural' defined as a watercourse that has had no anthropogenic (i.e. human) influences or has been designated as a natural watercourse by the court.
Table: Dropped	GEOG_UNIT	Removal of the GEOG_UNIT table.
Table: Field added	CONSTRUCTED_DRAIN.Location_Accuracy	Addition of Location Accuracy field to the CONSTRUCTED_DRAIN table. This information is now captured here since GEOGRAPHIC_UNIT is no longer being carried.
Table: Field added	CONSTRUCTED_DRAIN.Drain_Reach	Addition of new field for Drain Reach.
Table: Field added	DRAIN_ACTIVITY.Drain_Activity	Field added to capture the type of activity that will be occurring on a drain in a specific year.
Table: Field added	DRAIN_ACTIVITY.Drain_Activity_Year	Field added to capture the year in which a specific activity will be occurring on a drain.

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a) **Type:** Table Added; Table Changed; Data Dictionary; Geog Unit Type Change

b) **Target:** Identifies target of change – identify i) Table Name if added or dropped, ii) Table.Attributename if attribute is added, dropped or modified in a table, iii) Geog. Unit Type Name if a new Data Type is added/expired has description modified etc...

c) **Description:** Additional description of change type,; e.g.: 'Field length expanded from 40 to 80 chars'.

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Table: Field added	CONSTRUCTED_DRAIN.GENERAL_COMMENTS	Addition of General Comments field to the CONSTRUCTED DRAIN table. This information is now captured here since GEOGRAPHIC UNIT is no longer being carried.
Table: Field added	CONSTRUCTED_DRAIN.Report_URL	Field added to capture the URL of a constructed drain report.
Table: Field added	CONSTRUCTED_DRAIN.Justification_Id	Foreign key to Justification table added since no longer carrying Geographic Unit.
Table: Field added	CONSTRUCTED_DRAIN.Source_Id	Foreign key to Source table added since no longer carrying Geographic Unit.
Table: Field added	CONSTRUCTED_DRAIN.Source_Detail	Added the Source Detail field to capture additional information about the source of the data.
Table: Field added	DRAIN_ACTIVITY.Comments	Added a Comments field to capture any additional information about a drain activity.
Table: Field altered	CONSTRUCTED_DRAIN.DRAIN_IDENT	The existing field called Drain Ident is renamed to DFO Ident. This field is used to link to the DFO Drain Classification database and the updated name more accurately reflects its purpose.
Table: Field altered	CONSTRUCTED_DRAIN.DFO_Class_Authorization_Type	Removed the constraints on this field and updated the field definition.
Table: Field dropped	CONSTRUCTED_DRAIN.Construction_Year	Removal of Construction Year field. This information will now be captured in the DRAIN_ACTIVITY.Drain_Activity_Year field.
Table: Field dropped	CONSTRUCTED_DRAIN.Last_Cleanout_Year	Removal of Last Cleanout Year field. This information will now be captured in the DRAIN_ACTIVITY.Drain_Activity_Year field.
Table: Field dropped	CONSTRUCTED_DRAIN.Thermal_Regime	Removal of Thermal Regime field. This will no longer be maintained as part of the business requirements.

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Additional Information

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