

## Metadata Document for SWWF Data

### DATA FIELDS EXPLANATION

The data have been reviewed for accuracy as much as possible with limited resources. Annual withdrawal reports are reviewed by personnel and by automated programs.

The first nine (9) fields of the XX-Fac.xls file and the first three (3) fields of the XX-WU.xls file are facility data and are merely repeated for each pump. Subsequent fields (starting with Source) in both files are specific to each pump at the facility.

#### Fields in XX- Fac.xls:

*County* is the numerical sequence of the county in alphabetical order in Indiana.

*RegNo* is the unique number assigned to the facility when it was registered.

*MWUCode* is based on the facility's primary/major use of the water. An explanation of the MWU codes is provided below:

- 1) IR- IRRIGATION (Agricultural irrigation, golf course irrigation)
- 2) IN- INDUSTRY (Process water, cooling water, mineral extraction (except coal), quarry dewatering, waste assimilation)
- 3) PS- PUBLIC SUPPLY (Public water supply, drinking water/ sanitary facilities)
- 4) EP- ENERGY PRODUCTION (Power generation, cooling water, coal mining, geothermal, oil recovery)
- 5) RU- RURAL USE (Livestock, aquaculture)
- 6) MI- MISCELLANEOUS (Fire protection, amusement parks, construction dewatering, dust control, pollution abatement, hydrostatic testing, recreational field drainage)

*Facility* is the name of the facility or the facility owner's name.

*RegDate* is the date the facility was registered.

#### Location Fields:

The SWWF database provides only one entry for USGS *Quadrangle* Map and Congressional *Township*, *Range*, and *Section* per facility. This usually is the location of the first pump registered for facilities with multiple pumps. The additional pumps may be in locations other than those listed in the file.

Facilities without Township, Range, or Section data are located in areas that were not included in the Congressional Land Survey System. However, some facilities in these areas were assigned a pseudo Township, Range, or Section when they were registered. A Congressional Land Survey overlay was projected onto a topographic quadrangle map and the facility was assigned a location based on that overlay.

Because of the limitations described above, it is best to rely on Universal Transverse Mercator (UTM, NAD27) coordinates (*UTMNorth* and *UTMEast*) for pump location. These coordinates are specific for each pump, and are typically approximated based on a location map submitted by the facility at the time the pump was registered. In a few instances the pumps have been field located; therefore, these UTM coordinates are more precise.

Other Data Fields:

*SourceCode* indicates if the pump is a groundwater well or a surface water intake.

*SourceID* is the unique designation the facility has assigned to the pump.

*Capacity(GPM)* is the maximum pumping capacity of the pump in gallons per minute.

*Depth(ft)* and *Diam(in)*, respectively, are the depth in feet and the casing diameter in inches for wells.

*Aquifer* is the type of geologic material the well is reported to be finished in. An explanation of the aquifer codes is provided below:

BR—BEDROCK  
CL—CLAY  
GR—GRAVEL  
LS—LIMESTONE  
OT—OTHER  
RO/RK/XR—ROCK  
SG—SAND & GRAVEL  
SD—SAND  
SS—SANDSTONE  
SH—SHALE  
UN—UNKNOWN

*WellLog* is the reference number of the driller's log in the Water Well Record database that has been determined to pertain to the well. If the field is blank, there was no driller's log on file that could apparently be correlated with the well.

*WaterBody* indicates the name (if any) and the type of water body the intake pumps water from.

Fields in XX-WU.xls:

*County*, *RegNo*, *MWUCode*, *Source*, and *SourceID* are the same as described above.

The *Units* field indicates that all withdrawal amounts are represented in thousands of gallons (TG).

*Year* is the calendar year during which the withdrawals were made.

*Annual* is the reported amount of water withdrawn in thousands of gallons by the pump during the year indicated in the Year field.

Subsequent fields are the reported amount of water withdrawn by the pump during each month of the year indicated in the Year field, beginning in January.