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# Command Reference: ReadIrrigationPracticeTSFromList()

**Read irrigation practice time series data from information in a delimited file**

**StateCU Command**

Version 3.09.01, 2010-02-01

The `ReadIrrigationPracticeTSFromList()` command reads irrigation practice time series data for existing CU Locations by reading information from a delimited file. New locations are not added and the information is added to existing locations. HydroBase may not contain all irrigated lands data. For example, additional lands may have been identified after HydroBase was populated or acreage must be set for a model identifier that is not a structure WDID in HydroBase (e.g., out of state lands). In this case, the command can be used to provide additional data to supplement HydroBase.

The screenshot shows a Windows-style dialog box titled "Edit ReadIrrigationPracticeTSFromList() Command". It contains instructional text, input fields for various parameters, and a text area for the command syntax.

**Instructions:**

- This command reads irrigation practice time series data from a delimited list file, using the CU Location ID to look up the location. The data will be added to previous results.
- Data specified for part of an aggregate/system will be processed, and additional data can be read with `ReadIrrigationPracticeTSFromHydroBase()`.
- A comma-delimited list file is used to supply data, with values being set one of the following ways:
  - 1) If the input start and end years are specified and a year column is not specified, the file data values are applied to each year in the specified input period.
  - 2) If a year column is specified, year and corresponding values are read from the list file (the input period then controls how many years are processed).
- Acres, irrigation method, and supply type must be specified.
- It is recommended that the location of the file be specified using a path relative to the working directory.
- The working directory is: `C:\Develop\StateDMI_SourceBuild\StateDMI\test\regression\UserManualRef\ReadIrrigationPracticeTSFromHydroBase`

**Parameters:**

Parameter	Value	Description
List file:	ipy-additions.csv	
CU Location ID:	*	Required - CU Location(s) to read (use * for wildcard).
Input start (year):	x	Optional - starting year to read data (default=process all).
Input end (year):		Optional - ending year to read data (default=process all).
Year column:	2	Optional - column in file for year.
CU location ID column:	1	Required - column in file for CU location ID.
Irrigated acres column:	4	Required - column in file for irrigated acres.
Irrigation method column:	5	Required - column in file for irrigation method (column containing SPRINKLER, FLOOD).
Supply type column:	6	Required - column in file for supply type (column containing Ground or Surface).

**Command:**

```
ReadIrrigationPracticeTSFromList (ListFile="ipy-additions.csv", ID="*", InputStart=x, YearCol=2, IDCol="1", AcresCol="4", IrrigationMethodCol="5", SupplyTypeCol="6")
```

**Buttons:** Add Working Directory, Cancel, OK

ReadIrrigationPracticeTSFromList

**ReadIrrigationPracticeTSFromList() Command Editor – Provide Parcel Data not in HydroBase**

The command syntax is as follows:

```
ReadIrrigationPracticeTSFromList (Parameter=Value, ...)
```

### Command Parameters

Parameter	Description	Default
ListFile	Path to the delimited list file to read.	None – must be specified.
ID	A single CU location identifier to match or a pattern using wildcards (e.g., 20*).	None – must be specified.
InputStart	The first year to read from the file.	If not specified, all years are read from the file.
InputEnd	The last year to read from the file.	If not specified, all years are read from the file.
YearCol	The column number (1+) containing the year for data.	The file values are applied to each year in the data set.
IDCol	The column number (1+) containing the CU Location identifiers. These values are matched against CU Location identifiers in the existing irrigation practice data.	None – must be specified.
AcresCol	The column number (1+) containing the crop area.	If not specified, the previous data values will remain.
IrrigationMethodCol	The column number (1+) containing the irrigation method, consistent with HydroBase (e.g., SPRINKLER, FLOOD).	If not specified, the previous data values will remain.
SupplyTypeCol	The column number (1+) containing the supply type (Surface or Ground).	If not specified, the previous data values will remain.

Data file lines starting with the # character are treated as comments. If the first line's values are surrounded by double quotes, the line is assumed to indicate column headings. An example list file for specifying acreage data (not in HydroBase) is shown below. Currently, supplemental acreage data can have only a single irrigation method and supply type, to support irrigation practice time series processing. Therefore, break supplemental acreage into multiple “parcels” if necessary.

```
# The following data provide acreage for structures that did not have GIS data
# and consequently no data in HydroBase. The data are specific to 1998 and are
# used to set the CDS and IPY acres. The crop is used to provide CDS data. The
# irrigation method and source are used to provide IPY data.
"ID","Crop","Acres","IrrigationMethod","SupplySource"
200500,1998,GRASS_PASTURE,0,Flood,Surface
200506,1998,GRASS_PASTURE,100,Flood,Surface
200507,1998,GRASS_PASTURE,50,Flood,Surface
200508,1998,GRASS_PASTURE,40,Flood,Surface
200522,1998,GRASS_PASTURE,40,Flood,Surface
200523,1998,GRASS_PASTURE,50,Flood,Surface
200526,1998,GRASS_PASTURE,40,Flood,Surface
200529,1998,GRASS_PASTURE,5,Flood,Surface
... etc...
```