

INSTRUCTIONS FOR ComCZAR INPUT FILES

1. Create a text file following the format in the box below. Example files are also available at the URL from whence this file came which can be edited.
2. Leave no blank lines, and do not change the order of parameters.
3. The list of wells at the end of the file can contain as many wells as desired. No space should be present between the lines listing wells.
4. In general, following the '*' character is a description of the parameter. Some additional comments are also found within the box.

```
*****
*   Input Parameters for           *
*   Capture Zone Analysis         *
*   Fioren, Luo, and Kitanidis    *
*****
*logistics
hydraulic_containment_th0_bet1.eps *filename for figure export
3500 *number of particle spatial steps to consider
*anisotropy parameters. For ISOTROPIC CASE, 1
1 * Kmax/Kmin
0 * theta in degrees
*regional flow; for no regional flow, J=0
5e-4 *T (m^2/sec) = transmissivity
0.01 *J (m/m) = hydraulic gradient
180 * gamma -> direction of regional flow, degrees, 0 = east
*discretization parameters
0.1 *dx (m)
0.1 *dy (m)
-15 *xmin (m)
15 *xmax (m)
-15 *ymin (m)
15 *ymax (m)
*Wells
*For any well, if Q=0 it will be plotted as an observation
*point only: Also, positive Q indicates extraction, while
* negative Q indicates injection.
*wells as follows, separated by spaces.
*wellname X(m) Y(m) Q(LPM)
w1 0 4 4
w2 0 0 4
w3 0 -4 4
```

User defines domain extents and discretization (all values in meters). Size and grid resolution are only limited by machine memory and MATLAB. These limits are also used as the plotting axis limits.

Use spaces to delimit values.