A Big Earth Data Platform for Three Poles

**Ground water level dataset in Hulugou sub-basin of Heihe River Basin (2012)**

1、Description

1. Data overview:
This data set is the groundwater level data of qilian station from January 1, 2012 to December 31, 2012.Well no. 1 is located at the side of the general controlled hydrologic section of the cucurbitou basin, with a depth of 12.8m and an aperture of 12cm.The second well is located to the east of the delta about 100m away from the river. The depth of the well is 14.7m and the aperture is 12cm.
2. Data content:
U20-hobo water level sensor is installed in the underground well, which is mainly used to monitor the groundwater level changes in the small gourgou watershed. The data are daily scale data.
3. Space and time range:
Geographical coordinates of well no. 1: longitude: longitude: 99° 53’e;Latitude: 38°16 'N;Elevation: 2974m (near the hydrological section at the outlet of the basin).
Geographical coordinates of well no. 2: longitude: 99° 52’e;Latitude: 38°15 'N;Altitude: 3204.1m (east of the eastern branch of the delta).

2、Keywords

Theme：Underground water level,Ground Water,Groundwater depth
Discipline：Terrestrial Surface
Places：Heihe River Basin, Hulugou Basin,
Time：2012

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.02MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：38.3 | - |
| west：99.9 | - | east：99.9 |
| - | south：38.3 | - |

5、Time frame:2012-01-08 03:00:00+00:00--2013-01-07 03:00:00+00:00

6、Reference method

References to data:

Ground water level dataset in Hulugou sub-basin of Heihe River Basin (2012). A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.027.2014.db2014

References to articles:

Han, C.T., Chen, R.S., Liu, Z.W., Yang, Y., Liu, J.F., Song, Y.X., Wang, L., Liu, G.H., Guo, S.H.,, & Wang, X.Q. (2018). Cryospheric Hydrometeorology Observation in the Hulu Catchment (CHOICE), Qilian Mountains, China. Vadose Zone Journal, 17(1), 1-18.

Chen, R.S., Song, Y.X., Kang, E.S., Han, C.T., Liu, J.F., Yang, Y., Qing, W.W., &Liu, Z.W. (2014). A Cryosphere-Hydrology Observation System in a Small Alpine Watershed in the Qilian Mountains of China and Its Meteorological Gradient. Arctic, Antarctic, and Alpine Research, 46(2), 505-523.

7、Supporting project information

8、Data resource provider