A Big Earth Data Platform for Three Poles

**The measured sapwood and heartwood dataset in the downstream of the Heihe River**

1、Description

The accurate estimation of sapwood area and heartwood area is the main means to convert the transpiration water consumption scale. In October 2011, this project investigated the sapwood and heartwood of 98 Populus euphratica in Ejin Oasis and measured the width of sapwood and heartwood. The relation curve of sapwood area with DBH and height was established. Please refer to LI Wei, SI Jianhua,FENG Qi, YU Teng fei. Response of Transpiration to Water Vapour Pressure Defferential of  
Populus euphratica. Journal of Desert Research, 2013, 33(5): 1377-1384. for details.

2、Keywords

Theme：Vegetation function,Vegetation  
Discipline：Terrestrial Surface  
Places：Ejin, The Lower Reaches of Heihe River Basin  
Time：2012

3、Data details

1.Scale：None

2.Projection：4326

3.Filesize：0.02MB

4.Data format：EXCEL

4、Space scope

|  |  |  |
| --- | --- | --- |
| - | north：42.03335278 | - |
| west：101.0498361 | - | east：101.0498361 |
| - | south：42.03335278 | - |

5、Time frame:2012-05-18 04:01:00+00:00--2012-10-10 04:01:00+00:00

6、Reference method

References to data:

SI Jianhua. The measured sapwood and heartwood dataset in the downstream of the Heihe River. A Big Earth Data Platform for Three Poles, doi:10.3972/heihe.021.2014.db2014

References to articles:

Yu, T.F., Feng, Q., Si, J.H., Xi, H.Y., Li, Z.X., & Chen, A.F. (2013). Hydraulic redistribution of soil water by roots of two desert riparian phreatophytes in northwest China's extremely arid region. Plant and soil, 372(1-2): 297-308.

7、Supporting project information

8、Data resource provider

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