**东川站蒋家沟径流场观测数据说明**

1. **径流场几何特征**

* 尺寸：20m×5m
* 坡度：约22度

1. **观测方法**

* 泥沙分析方法：重量、含沙量采用烘干法分析
* 径流量：人工测量

1. **径流场植被覆盖**

* **自然恢复径流场**：3个径流小区新建时分别为新银合欢、新银合欢+剑麻、新银合欢截干三种类型，后期无人工干预，数据仅供参考
* **新银合欢径流场**：3个径流小区新建时分别林地（新银合欢）、农地、荒地，后期无人工干预，数据仅供参考。

**径流场坐标见下表：**

|  |  |  |
| --- | --- | --- |
| 站 点 | 经度（°） | 纬度（°） |
| 自然恢复径流场 | 103.1343502 | 26.24484337 |
| 新银合欢径流场 | 103.1329956 | 26.2455917 |



初始农地径流场



初始林地径流场

**备注：**

（1）请在论文发表、专利申请、专著出版等工作中标注数据来源，并在公开发表的中文出版物的致谢部分标明“感谢中国科学院东川泥石流观测研究站为本研究提供了相关数据”，在英文论文致谢部分标明“Dongchuan Debris Flow Observation and Research Station (DDFORS), Chinese Academy of Sciences, which provided the field observation data for this study.”.

（2）更多详细信息见东川站网页（中文网站http://nsl.imde.ac.cn/；英文网站http://nsl.imde.ac.cn/en/）.

（3）数据问题可联系魏丽（weili@imde.ac.cn）和宋东日（drsong@imde.ac.cn）.

**Description of runoff field observation at Jiangjia Ravine**

**(1) Runoff fields characteristics**

* Size: 20m × 5m
* Slope: approximately 22 degrees

**(2) Observation method**

* Sediment analysis method: sediment concentration and sediment weight are analyzed using the oven drying method
* Runoff volume: Measured manually

**(3) Vegetation coverage**

* Leucaena leucocephala runoff plots: These include:Leucaena leucocephala (Lam.) de Wit, Leucaena leucocephala (Lam.) de Wit and Agave sisalana Perr. ex Engelm, Leucaena latisiliqua (L.) Gillis, with the crown removed. These plots have not undergone any artificial interventions; the data are for reference only.
* Naturally restored runoff plots:These plots are categorized into forest land dominated by Leucaena leucocephala, agricultural land, and wasteland. No artificial interventions have been applied to these three runoff fields; the data are for reference only.

**The coordinates of the runoff fields are shown in the table below:**

|  |  |  |
| --- | --- | --- |
| **Station** | **Longitude（°）** | **Latitude（°）** |
| Naturally restored runoff fields | 103.1343502 | 26.24484337 |
| Leucaena leucocephala runoff fields | 103.1329956 | 26.2455917 |



Agricultural land runoff plot



Forest land runoff plot

**Note:**

(1) In works such as paper, patent, and monograph, please indicate the data source. In the acknowledgments section of Chinese publications, include the statement “感谢中国科学院东川泥石流观测研究站为本研究提供了相关数据” . In the acknowledgments section of English publications, please state, “We would like to thank the Dongchuan Debris Flow Observation and Research Station (DDFORS), Chinese Academy of Sciences, for providing the field observation data for this study.”

(2) For more detailed information, please visit the website of Dongchuan Debris Flow Observation and Research Station (DDFORS) (Chinese website: http://nsl.imde.ac.cn/; English website: http://nsl.imde.ac.cn/en/).

(3) For any data-related issues, please contact Li Wei (weili@imde.ac.cn) and Dongri Song (drsong@imde.ac.cn).