**Community data – Preventorio (Brazil) - Rockfalls**

**About Fishnets**

10m by 10m vector grid squares were created to help analyse the community data. Where a community group had drawn an area on the map, the polygons were digitised. Where one of these polygons intersected with a cell in the ‘fishnet’, the cell was given a value of 1 - (Boolean 1= true, 0 = false).

**Flood fishnet attributes**

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| **Field Name** | **Field Alias** | **Type** | **Description** |
| MW1\_R\_G | Mothers at Work group 1 (MW1), Rockfall (R) Green (G). | Boolean [1 or 0] | If 1 (true), then the associated community group recorded ‘green’ Green was used to record where rockfall had never been seen. |
| MW2\_R\_G | Mothers at Work group 2 (MW2), Rockfall (R) Green (G) |
| BdP\_R\_G | BankDePreventorio (BdP),Rockfall (R) Green (G) |
| RA\_R\_G | ResidentsAssociation (RA),Rockfall (R) Green (G) |
| Coop\_R\_G | Coop (reciclapreve)Rockfall (R) Green (G) |
| Count\_R\_G | Count Rockfall (R) Green (G) | Integer | This is a count of how many of the 5 groups recorded ‘Green’ i.e. they had never observed rockfall in this area. It shows where the community groups agreed and their data overlaps. |
| MW1\_R\_O | Mothers at Work group 1 (MW1), Rockfall (R) Orange (O). | Boolean [1 or 0] | If 1 (true), then the associated community group recorded ‘orange’. Orange was used to record where the community had identified areas of concern for rockfall.  The attributes in red are not included as none of these groups provided information here. |
| MW2\_R\_O | Mothers at Work group 2 (MW2), Rockfall (R) Orange (O) |
| BdP\_R\_O | BankDePreventorio (BdP), Rockfall (R) Orange(O) |
| RA\_R\_O | ResidentsAssociation (RA), Rockfall (R) Orange (O) |
| Coop\_R\_O | Coop (reciclapreve)Rockfall (R) Orange (O) |
| Count\_R\_O | Count Rockfall (R) Orange (O) | Integer | This is a count of how many of the 5 groups recorded ‘Orange’ i.e that they were concerned about rockfall in this area. It shows where the community groups agreed and their data overlaps. |
| MW1\_R\_R | Mothers at Work group 1 (MW1), Rockfall (R) Red (R). | Boolean [1 or 0] | If 1 (true), then the associated community group recorded ‘Red’. Red was used to record where rockfall occurred most often. |
| MW2\_R\_R | Mothers at Work group 2 (MW2), Rockfall (R) Red (R) |
| BdP\_R\_R | BankDePreventorio (BdP),Rockfall (R) Red (R) |
| RA\_R\_R | ResidentsAssociation (RA),Rockfall (R) Red (R) |
| Coop\_R\_R | Coop (reciclapreve)Rockfall (R) Red (R) |
| Count\_R\_R | Count Rockfall (R) Red (R) | Integer | This is a count of how many of the 5 groups recorded ‘Red’ i.e that rockfall occurred most often in this area. It shows where the community groups agreed and their data overlaps. |
| MW1\_R\_Y | Mothers at Work group 1 (MW1), Rockfall (R) Yellow (Y). | Boolean [1 or 0] | If 1 (true), then the associated community group recorded ‘Yellow’. Yellow was used to record where rockfall occurred sporadically. |
| MW2\_R\_Y | Mothers at Work group 2 (MW2), Rockfall (R) Yellow (Y). |  |  |
| BdP\_R\_Y | BankDePreventorio (BdP),Rockfall (R) Yellow (Y). |  |  |
| RA\_R\_Y | ResidentsAssociation (RA),Rockfall (R) Yellow (Y). |  |  |
| Coop\_R\_Y | Coop (reciclapreve)Rockfall (R) Yellow (Y). |  |  |
| Count\_R\_Y | Count Rockfall (R) Yellow (Y). | Integer | This is a count of how many of the 5 groups recorded ‘Yellow’ i.e that rockfall occurred sporadically in this area. It shows where the community groups agreed and their data overlaps. |
| MW1\_R\_pas | Mothers at Work group 1 (MW1), Rockfall (R) Past rockfall (pas) | Boolean [1 or 0] | If 1 (true), then the associated community group recorded past rockfall to have occurred in this cell.  The attributes in red are not included as none of these groups provided information here. |
| MW2\_R\_pas | Mothers at Work group 2 (MW2), Rockfall (R) Past rockfall (pas) |
| BdP\_R\_pas | BankDePreventorio (BdP),Rockfall (R) Past rockfall (pas) |
| RA\_R\_pas | ResidentsAssociation (RA),Rockfall (R) Past rockfall (pas) |
| Coop\_R\_pas | Coop (reciclapreve)Rockfall (R) Past rockfall (pas) |
| Count\_R\_pas | Count Rockfall (R) Past rockfall (pas) | Integer | This is a count of how many of the 5 groups recorded past rockfall in this cell |
| [ComResNum] | Community results Index Number. | Integer 0-4 | This is an index number that relates to the Description [ComResDesc] |
| [ComResDes] | Community Results Description. | Text | Description (or legend) of the community results numeric [ComResNum] data for the cell. |
| RF\_HazPerc | Rockfall Hazard Perception (scenario 1) | Text | Where at least group highlighted a cell as ‘Red’ (hazard occurs most often) or ‘Orange’ (area of concern) the cell is attributed ‘High’  For remaining cells - where at least one group coloured ‘yellow’ (hazard occurs sporadically) or at least one group identified the cell as experiencing the hazard in the past, the cell is attributed ‘medium’ hazard.  For all other remaining cells, the community data shows the community perceives these areas to be of least concern (relative to other areas). These are attributed ‘low or no data’. |
| RF\_HazPerc2 | Rockfall Hazard Perception (scenario 2) | Text | Where at least group highlighted a cell as ‘Red’ (hazard occurs most often) or ‘Orange’ (area of concern) the cell is attributed ‘High’  For remaining cells - where at least one group coloured ‘yellow’ (hazard occurs sporadically) the cell is attributed ‘medium’ hazard.  For all other remaining cells, the community data shows the community perceives these areas to be of least concern (relative to other areas). These are attributed ‘low or no data’. Those cells that were identified as having experienced the hazard in the past, but were not identified as Red, Orange or Yellow, are also attributed ‘low or no data’. |
| RF\_HazPerc3 | Rockfall Hazard Perception (scenario 3) | Text | Where at least group highlighted a cell as ‘Red’ (hazard occurs most often) or ‘Orange’ (area of concern) or at least one group identified the cell as experiencing the hazard in the past the cell is attributed ‘High’  For remaining cells - where at least one group coloured ‘yellow’ (hazard occurs sporadically) the cell is attributed ‘medium’ hazard.  For all other remaining cells, the community data shows the community perceives these areas to be of least concern (relative to other areas). These are attributed ‘low or no data’. |
| UL\_HazPer | UrbeLatam project – agreed model for hazard perception for rockfalls | Text | This field shows the hazard perception modelling scenario that the Urbe Latam project agreed upon. It reflects the field [LS\_HazPerc]. |

Table 1: How the [ComResNum] field attributes relate to the [ComResDesc] descriptions.

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| Community Results index number [ComResNum] | Description of the Community results index number [ComResDesc] |
| 0 | No community group identified this area as an area of concern for rockfalls or where they had seen or were aware of the occurrence of rockfalls in the past. |
| 1 | At least one community group identified this area as having experienced rockfalls in the past. However, rockfalls were not recorded as being either often or sporadic, nor did any group identify this an area of concern. |
| 2 | At least one community group identified this area as an area of concern for rockfalls. No groups identified these areas as areas where rockfalls were occurring often or sporadically. |
| 3 | At least one community group identified this area as an area where rockfalls occurred sporadically. |
| 4 | At least one community group identified this area as an area where rockfalls occurred most often. |