**Supplementary Material**

Distribution and habitat description of Junín Rail *Laterallus tuerosi*, Andean Peru

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Appendix S1. Point counts with data on habitat and presence/absence of Junín Rail *Laterallus tuerosi* between 8 and 19 February 2014.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Point**  **coordinates** | **Block** | **February**  **2014** | ***Junín Rail***  **individuals** | **Veg. height**  **(cm)** | **Dominant plant species** | **Grazing intensity** | **Grazer** | **Water level** |
| W 076°01.726  S 11° 07.474 | 417 | 11 | 0 | 1 | *Calamaqrostris[[1]](#footnote-1)*  *Plantago rigida* | Intensive | Cattle | >20 cm  Mix wet/dry |
| W 076°04.161  S 10° 56.404 | 149 | 10 | 0 | 1 | *Plantago rigida* | Intensive | Sheep | Mix wet/dry |
| W 076°01.669  S 11° 07.548 | 429 | 11 | 0 | 2 | *Calamagrostis Plantago rigida* | Intensive | Cattle | 5-20 cm  Mix wet/dry |
| W 076 01.358  S 11 07.659 | 429 | 11 | 0 | 2 | *Calamagrostis Plantago rigida* | Intensive | Sheep | Mix wet/dry |
| W 076 04.144  S 10 56.971 | 170 | 10 | 0 | 2 | *Plantago rigida* | Intensive | Sheep | Wet marsh |
| W 76 01.955  S 11 07.481 | 417 | 11 | 0 | 3 | *Calamagrostris* | Intensive | Cattle | >20 cm  Mix wet/dry |
| W 076 08.655  S 11 04.840 | 348 | 9 | 0 | 5 | *Calamagrostris* | Intensive | Sheep | Wet marsh |
| W 076 08.688  S 11 04.938 | 348 | 9 | 0 | 5 | *Calamagrostris* | Intensive | Sheep | Wet marsh |
| W 076 07.883  S 11 05.552 | 365 | 9 | 2 | 50 | *Festuca[[2]](#footnote-2)* | Moderate | Cattle | Wet marsh |
| W 076 07.848  S 11 05.585 | 365 | 8 | 1 | 50 | *Festuca* | Moderate | Cattle | Wet marsh |
| W 076 07.978  S 11 05.264 | 350 | 9 | 1 | 50 | *Festuca* | Moderate | Cattle | Wet marsh |
| W 076 07.787  S 11.05.627 | 365 | 8 | 0 | 50 | *Festuca* | None |  | Wet marsh |
| W 076 07.733  S 11 05.700 | 365 | 8 | 2 | 50 | *Festuca* | Moderate | Cattle | Wet marsh |
| W 076 07.778  S 11 05.496 | 365 | 9 | 0 | 50 | *Festuca* | Moderate | Cattle | Wet marsh |
| W 076 08.104  S 11 05.157 | 350 | 9 | 0 | 60 | *Festuca* | Moderate | Cattle | Wet marsh |
| W 076 07.911  S 11 05.461 | 365 | 9 | 1 | 60 | *Festuca* | Moderate | Cattle | Wet marsh |
| W 76 09.908  S 11 02.844 | 303 | 14 | 0 | 60 | *Juncus balticus*  *Stipa ichu* | Moderate | Cattle | Wet marsh |
| W 076 07.7xx  S 11 05.xxx | 365 | 9 | 0 | 75 | *Festuca* | Moderate | Cattle | Wet marsh |
| W76 04.947  S 11 07.760 | 423 | 12 | 0 | 100 | *Stipa ichu* | None |  | > 20 cm |
| W 76 04.958  S 11 07.684 | 423 | 12 | 0 | 100 | *Stipa ichu* | None |  | > 20 cm |
| W 76 05.031  S 11 07.699 | 423 | 12 | 0 | 100 | *Stipa ichu*  *Juncus balticus* | None |  | > 20 cm |
| W 76 05. 102  S 11 07.687 | 423 | 12 | 0 | 100 | *Festuca*  *Juncus balticus* | Moderate | Cattle | Wet marsh |
| W 76 10.088  S 11 02.789 | 303 | 14 | 2 | 100 | *Juncus balticus* | Moderate | Cattle | Wet marsh |
| W 76 07.657  S 11 05.641 | 365 | 8 | 0 | 100 | *Festuca* | None |  | Wet marsh |
| W 76 10.012  S 11 02.890 | 303 | 14 | 2 | 100 | *Juncus balticus* | Moderate | Cattle | Wet marsh |
| W 76 05.169  S 11 07.761 | 423 | 12 | 3 | 100 | *Festuca*  *Juncus balticus* | Moderate | Cattle | Wet marsh |
| W 76 10.104  S 11 02.922 | 303 | 14 | 0 | 100 | *Juncus balticus*  *Grass* | Intensive | Cattle | Wet/Dry |
| W76 05.033  S 11 07.765 | 423 | 12 | 0 | 150 | *Festuca*  *Juncus balticus* | Moderate | Cattle | 5-20 cm |
| W 76 05.279  S 11 07.831 | 423 | 12 | 1 | 150 | *Festuca*  *Juncus balticus* | Moderate | Cattle | 5-20 cm |
| W 76 02.819  S 11 02.819 | 303 | 14 | 0 | 150 | *Juncus balticus*  *Grass* | Moderate | Cattle | Wet marsh |
| W 76 07.428  S 10 57.032 | 164 | 19 | 0 | 150 | *Juncus balticus* | Moderate | Cattle | Wet marsh |
| W 76 07.500  S 10 57.121 | 164 | 19 | 1 | 150 | *Juncus balticus* | None |  | Wet marsh |
| W 76 05.389  S 11 07.794 | 423 | 12 | 1 | 150 | *Festuca*  *Juncus balticus* | Moderate | Cattle | Mix wet/dry |
| W 76 09.843  S 11 02.736 | 303 | 14 | 0 | 150 | *Juncus balticus*  *Grass* | None |  | 5-20 cm |
| W 78 10.182  S 11 02.705 | 303 | 14 | 1 | 150 | *Juncus balticus* | Moderate | Cattle | Wet marsh |
| W 76 10.919  S 11 01.885 | 281 | 14 | 0 | 160 | *Juncus balticus* | None |  | > 20 cm |
| W 76 09.995  S 11 02.736 | 303 | 14 | 3 | 160 | *Juncus balticus*  *Festuca* | None | ° | 5-20 cm  Mix wet/dry |
| W 76 10.986  S 11 01.811 | 281 | 14 | 0 | 180 | *Juncus balticus* | None |  | > 20 cm |
| W 76 11.068  S 11 01.751 | 281 | 14 | 0 | 180 | *Juncus balticus* | Moderate | Cattle | > 20 cm |
| W 76 11.132  S 11 01-815 | 281 | 14 | 0 | 190 | *Juncus balticus* | Moderate | Cattle | > 20 cm |
| W 76 07.675  S 10 57.232 | 185 | 19 | 3 | 200 | *Juncus balticus* | None |  | Wet marsh |
| W 76 07.596  S 10 57.176 | 185 | 19 | 2 | 200 | *Juncus balticus* | None |  | Wet marsh |
| W 076 06.451  S 11 06.849 | 397 | 8 | 0 | 200 | *Juncus balticus* | Moderate | Alpaca | > 20 cm |
| W 076 06.293  S 11 06.932 | 397 | 8 | 0 | 200 | *Juncus balticus* | None |  | > 20 cm |
| W 076 07.989  S 11 05.357 | 350 | 9 | 0 | 200 | *Juncus balticus* | None |  | 5-20 cm |
| W 076 06.293  S 11 06.932 | 397 | 8 | 0 | 250 | *Juncus balticus* | Moderate | Cattle | > 20 cm |

1. *All Calamagrostis are Calamagrostis vicunarum.* [↑](#footnote-ref-1)
2. All *Festuca* are *Festuca dollichophylla.* [↑](#footnote-ref-2)