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