**APPENDIX 4.** Río Pichileufú leaf morphotype abundances.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Morphotype** | **Group** | ***n,* all collections** | ***n,* census collections** | ***n,* combinednon-census collections** | ***n,* Guiñazú collection only** |
| GZ001 | fern | 3 | 0 | 3 | 3 |
| GZ002 | fern | 1 | 0 | 1 | 1 |
| GZ003 | fern | 1 | 0 | 1 | 1 |
| GZ004 | fern | 1 | 1 | 0 | 0 |
| GZ005 | possible cycad | 4 | 2 | 2 | 0 |
| GZ006 | ginkgo | 61 | 49 | 12 | 12 |
| GZ007 | conifer | 73 | 27 | 46 | 16 |
| GZ008 | conifer | 56 | 12 | 44 | 45 |
| GZ009 | conifer | 13 | 11 | 2 | 1 |
| GZ010 | conifer | 4 | 4 | 0 | 0 |
| GZ011 | conifer | 38 | 21 | 17 | 12 |
| GZ012 | conifer | 10 | 2 | 3 | 1 |
| GZ013 | monocot | 10 | 6 | 4 | 3 |
| GZ014 | monocot | 2 | 2 | 0 | 0 |
| GZ015 | monocot | 1 | 1 | 0 | 0 |
| GZ016 | monocot | 1 | 1 | 0 | 0 |
| GZ017 | dicot | 4 | 1 | 3 | 2 |
| GZ018 | dicot | 1 | 0 | 1 | 6 |
| GZ019 | dicot | 8 | 2 | 6 | 5 |
| GZ020 | dicot | 5 | 0 | 5 | 5 |
| GZ021 | dicot | 4 | 0 | 4 | 4 |
| GZ022 | dicot | 1 | 0 | 1 | 1 |
| GZ023 | dicot | 1 | 1 | 0 | 0 |
| GZ024 | dicot | 3 | 2 | 1 | 1 |
| GZ025 | dicot | 1 | 0 | 1 | 1 |
| GZ026 | dicot | 6 | 6 | 0 | 0 |
| GZ027 | dicot | 1 | 0 | 1 | 1 |
| GZ028 | dicot | 1 | 1 | 0 | 0 |
| GZ029 | dicot | 2 | 0 | 2 | 2 |
| GZ030 | dicot | 1 | 1 | 0 | 0 |
| GZ031 | dicot | 2 | 2 | 0 | 0 |
| GZ032 | dicot | 1 | 0 | 1 | 1 |
| GZ033 | dicot | 1 | 1 | 0 | 0 |
| GZ034 | dicot | 1 | 1 | 0 | 0 |
| GZ035 | dicot | 1 | 1 | 0 | 0 |
| GZ036 | dicot | 21 | 1 | 20 | 14 |
| GZ037 | dicot | 1 | 1 | 0 | 0 |
| GZ038 | dicot | 1 | 1 | 0 | 0 |
| GZ039 | dicot | 1 | 0 | 1 | 1 |
| GZ040 | dicot | 1 | 1 | 0 | 0 |
| GZ041 | dicot | 2 | 0 | 2 | 2 |
| GZ042 | dicot | 1 | 1 | 0 | 0 |
| GZ043 | dicot | 4 | 0 | 4 | 4 |
| GZ044 | dicot | 3 | 0 | 3 | 3 |
| GZ045 | dicot | 3 | 3 | 0 | 0 |
| GZ046 | dicot | 92 | 50 | 42 | 41 |
| GZ047 | dicot | 18 | 12 | 6 | 6 |
| GZ048 | dicot | 9 | 4 | 5 | 5 |
| GZ049 | dicot | 4 | 4 | 0 | 0 |
| GZ050 | dicot | 3 | 3 | 0 | 0 |
| GZ051 | dicot | 14 | 12 | 2 | 2 |
| GZ052 | dicot | 30 | 16 | 14 | 13 |
| GZ053 | dicot | 1 | 0 | 1 |  |
| GZ054 | dicot | 1 | 1 | 0 | 0 |
| GZ055 | dicot | 1 | 1 | 0 | 0 |
| GZ056 | dicot | 2 | 1 | 1 | 1 |
| GZ057 | dicot | 6 | 6 | 0 | 0 |
| GZ058 | dicot | 1 | 1 | 0 | 0 |
| GZ059 | dicot | 1 | 1 | 0 | 0 |
| GZ060 | dicot | 4 | 4 | 0 | 0 |
| GZ061 | dicot | 11 | 7 | 4 | 4 |
| GZ062 | dicot | 1 | 0 | 1 | 1 |
| GZ063 | dicot | 1 | 1 | 0 | 0 |
| GZ064 | dicot | 18 | 9 | 9 | 9 |
| GZ065 | dicot | 1 | 0 | 1 | 1 |
| GZ066 | dicot | 2 | 1 | 1 | 1 |
| GZ067 | dicot | 3 | 3 | 0 | 0 |
| GZ068 | dicot | 2 | 0 | 2 | 2 |
| GZ069 | dicot | 1 | 0 | 1 | 1 |
| GZ070 | dicot | 1 | 0 | 1 | 1 |
| GZ071 | dicot | 2 | 1 | 1 | 1 |
| GZ072 | dicot | 1 | 1 | 0 | 0 |
| GZ073 | dicot | 1 | 0 | 1 | 1 |
| GZ074 | dicot | 2 | 2 | 0 | 0 |
| GZ075 | dicot | 1 | 1 | 0 | 0 |
| GZ076 | dicot | 23 | 13 | 10 | 8 |
| GZ077 | dicot | 4 | 4 | 0 | 0 |
| GZ078 | dicot | 7 | 4 | 3 | 3 |
| GZ079 | dicot | 1 | 0 | 1 | 1 |
| GZ080 | dicot | 31 | 14 | 17 | 15 |
| GZ081 | dicot | 1 | 0 | 1 | 1 |
| GZ082 | dicot | 2 | 2 | 0 | 0 |
| GZ083 | dicot | 1 | 1 | 0 | 0 |
| GZ084 | dicot | 20 | 13 | 7 | 7 |
| GZ085 | dicot | 1 | 0 | 1 | 1 |
| GZ086 | dicot | 1 | 1 | 0 | 0 |
| GZ087 | dicot | 1 | 1 | 0 | 0 |
| GZ088 | dicot | 1 | 1 | 0 | 0 |
| GZ089 | dicot | 1 | 1 | 0 | 0 |
| GZ090 | dicot | 1 | 1 | 0 | 0 |
| GZ091 | dicot | 1 | 0 | 1 | 1 |
| GZ092 | dicot | 20 | 10 | 10 | 10 |
| GZ093 | dicot | 5 | 5 | 0 | 0 |
| GZ094 | dicot | 1 | 1 | 0 | 0 |
| GZ095 | dicot | 1 | 0 | 1 | 1 |
| GZ096 | dicot | 12 | 5 | 7 | 7 |
| GZ097 | dicot | 61 | 49 | 12 | 12 |
| GZ098 | dicot | 1 | 0 | 1 | 1 |
| GZ099 | dicot | 1 | 0 | 1 | 1 |
| GZ100 | dicot | 1 | 1 | 0 | 0 |
| GZ101 | dicot | 2 | 2 | 0 | 0 |
| GZ102 | dicot | 1 | 1 | 0 | 0 |
| GZ103 | dicot | 1 | 1 | 0 | 0 |
| GZ104 | dicot | 2 | 0 | 2 | 2 |
| GZ105 | dicot | 1 | 1 | 0 | 0 |
| GZ106 | dicot | 1 | 1 | 0 | 0 |
| GZ107 | dicot | 1 | 1 | 0 | 0 |
| GZ108 | dicot | 1 | 1 | 0 | 0 |
| GZ109 | dicot | 1 | 0 | 1 | 1 |
| GZ110 | dicot | 2 | 2 | 0 | 0 |
| GZ111 | dicot | 3 | 3 | 0 | 0 |
| GZ112 | dicot | 3 | 3 | 0 | 0 |
| GZ113 | dicot | 1 | 0 | 1 | 1 |
| GZ114 | dicot | 1 | 1 | 0 | 0 |
| GZ115 | dicot | 1 | 1 | 0 | 0 |
| GZ116 | dicot | 1 | 0 | 1 | 1 |
| GZ117 | dicot | 1 | 0 | 1 | 1 |
| GZ118 | dicot | 1 | 1 | 0 | 0 |
| GZ119 | dicot | 2 | 0 | 2 | 2 |
| GZ120 | dicot | 1 | 1 | 0 | 0 |
| GZ121 | dicot | 1 | 0 | 1 | 1 |
| GZ122 | dicot | 4 | 2 | 2 | 2 |
| GZ123 | dicot | 1 | 0 | 1 | 1 |
| GZ124 | dicot | 1 | 0 | 1 | 1 |
| GZ125 | dicot | 1 | 0 | 1 | 1 |
| GZ126 | dicot | 1 | 0 | 1 | 1 |
| GZ127 | dicot | 182 | 125 | 57 | 56 |
| GZ128 | dicot | 8 | 8 | 0 | 0 |
| GZ129 | dicot | 1 | 0 | 1 | 1 |
| GZ130 | dicot | 1 | 0 | 1 | 1 |
| GZ131 | dicot | 1 | 1 | 0 | 0 |
| GZ132 | dicot | 2 | 2 | 0 | 0 |
| GZ133 | dicot | 2 | 1 | 1 | 1 |
| GZ134 | dicot | 1 | 0 | 1 | 1 |
| GZ135 | dicot | 2 | 2 | 0 | 0 |
| GZ136 | dicot | 1 | 0 | 2 | 2 |
| GZ137 | dicot | 4 | 4 | 0 | 0 |
| GZ138 | dicot | 1 | 1 | 0 | 0 |
| GZ139 | dicot | 1 | 1 | 0 | 0 |
| GZ140 | dicot | 1 | 0 | 1 | 1 |
| GZ141 | dicot | 1 | 1 | 0 | 0 |
| GZ142 | dicot | 1 | 0 | 1 | 1 |
| GZ143 | dicot | 1 | 0 | 1 | 1 |
| GZ144 | dicot | 1 | 1 | 0 | 0 |
| GZ145 | dicot | 1 | 1 | 0 | 0 |
| GZ146 | dicot | 1 | 1 | 0 | 0 |
| GZ147 | dicot | 1 | 0 | 1 | 1 |
| GZ148 | dicot | 1 | 1 | 0 | 0 |
| GZ149 | dicot | 2 | 0 | 2 | 2 |
| GZ150 | dicot | 3 | 1 | 2 | 2 |
| GZ151 | dicot | 1 | 1 | 0 | 0 |
| GZ152 | dicot | 2 | 1 | 0 | 0 |
| GZ153 | dicot | 2 | 1 | 1 | 1 |
| GZ154 | dicot | 9 | 5 | 4 | 4 |
| GZ155 | dicot | 2 | 2 | 0 | 0 |
| GZ156 | dicot | 1 | 1 | 0 | 0 |
| GZ157 | dicot | 2 | 2 | 0 | 0 |
| GZ158 | dicot | 1 | 0 | 1 | 1 |