

## Appendix

**Table A1.** The basic information of 19 plots

| Site | Plot   | Longitude     | Latitude     | Altitude<br>(m) | Number<br>of<br>species | Number of<br>individuals | Gravel<br>exposure<br>(%) |
|------|--------|---------------|--------------|-----------------|-------------------------|--------------------------|---------------------------|
| YJC  | Plot1  | 110°22'30.08" | 25°24'48.87" | 161             | 18                      | 169                      | 28.5                      |
| YJC  | Plot2  | 110°22'31.89" | 25°24'43.01" | 162             | 14                      | 160                      | 29.8                      |
| YJC  | Plot3  | 110°22'31.65" | 25°24'43.69" | 162             | 17                      | 175                      | 39.5                      |
| YJC  | Plot4  | 110°22'31.85" | 25°24'43.80" | 163             | 17                      | 475                      | 55.5                      |
| YJC  | Plot5  | 110°22'32.94" | 25°24'45.81" | 163             | 7                       | 123                      | 28.8                      |
| YJC  | Plot6  | 110°22'33.14" | 25°24'46.64" | 162             | 5                       | 139                      | 25                        |
| NCC  | Plot7  | 110°21'54.17" | 25°22'57.73" | 159             | 14                      | 206                      | 0.4                       |
| NCC  | Plot8  | 110°21'55.22" | 25°22'57.23" | 159             | 18                      | 217                      | 0.3                       |
| NCC  | Plot9  | 110°21'56.39" | 25°22'56.69" | 159             | 20                      | 172                      | 0.1                       |
| SNZ  | Plot10 | 110°19'49.48" | 25°20'23.83" | 155             | 24                      | 495                      | 0.1                       |
| SNZ  | Plot11 | 110°19'50.13" | 25°20'23.53" | 155             | 15                      | 440                      | 0                         |
| SNZ  | Plot12 | 110°19'50.23" | 25°20'23.20" | 156             | 14                      | 254                      | 0                         |
| SNZ  | Plot13 | 110°19'50.39" | 25°20'21.96" | 156             | 14                      | 301                      | 0                         |
| DHC  | Plot14 | 110°19'22.99" | 25°19'31.87" | 153             | 12                      | 318                      | 1.2                       |
| DHC  | Plot15 | 110°19'22.10" | 25°19'31.75" | 152             | 12                      | 441                      | 5.1                       |
| DHC  | Plot16 | 110°19'21.94" | 25°19'30.74" | 154             | 12                      | 406                      | 1.8                       |
| DHC  | Plot17 | 110°19'21.59" | 25°19'30.18" | 153             | 15                      | 318                      | 0                         |
| DHC  | Plot18 | 110°19'21.76" | 25°19'29.30" | 153             | 15                      | 251                      | 3.6                       |
| DHC  | Plot19 | 110°19'23.28" | 25°19'30.48" | 152             | 10                      | 358                      | 21.7                      |