



## ANEXO II

---

# Listado de Flora Terrestre

Linea Base Vegetación, Flora y Fauna Terrestre

Proyecto Linea de Transmisión Maitencillo-Caserones

Pramar ambiental consultores - septiembre 2010



II.1 ANTECEDENTES

A continuación se presenta el listado de flora vascular terrestre obtenido para el área de influencia del proyecto. La información se presenta en forma tabular.

TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.

| DIVISIÓN      | CLASE         | FAMILIA          | NOMBRE CIENTIFICO                            | DISTRIBUCIÓN                         |
|---------------|---------------|------------------|--|--------------------------------------|
| Magnoliophyta | Magnoliopsida | Mimosaceae       | Acacia caven Mol.                            | III-IV-V-VI-VII-VIII-IX-X            |
| Magnoliophyta | Magnoliopsida | Rosaceae         | Acaena magellanica (Lam) Vahl.               | I-II-III-IV-V-VII-VIII-IX-X-XI-XII-M |
| Magnoliophyta | Magnoliopsida | Verbenaceae      | Acantholippia trifida (Gay) Moldenke         | III-IV                               |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia aegiceras Phil.                      | I-III-IV-V                           |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia aphylla Clos.                        | III-IV                               |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia argentea Meyen                       | III-IV-V                             |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia argyrophylla Phil.                   | III-IV                               |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia erinacea Phil.                       | II-III                               |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia glutinosa Hook. & Arn.               | III-IV-V                             |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia godoyae (Phil. ex Reiche) Martic.    | III                                  |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia hystrix Phil.                        | II-III-IV                            |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia leiocarpa Hook. & Arn                | III-IV-V                             |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia monosperma Clos.                     | III-IV                               |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia obscura Clos.                        | III-IV                               |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia parviflora Clos.                     | II-III-IV-VI-M                       |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia pedicellata Hook. & Arn.             | III-IV                               |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia sp. 1                                | Indeterminado                        |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia sp. 2                                | Indeterminado                        |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia sp. 3                                | Indeterminado                        |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia spuma Werderm ex Burkart             | III-IV                               |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Adesmia tenella Hook. & Arn.                 | III-IV-V-VI-M                        |
| Magnoliophyta | Liliopsida    | Poaceae          | Agrostis sp.                                 | Indeterminado                        |
| Magnoliophyta | Magnoliopsida | Verbenaceae      | Aloysia salviifolia (Hook. et Arn.) Moldenke | III-IV                               |
| Magnoliophyta | Liliopsida    | Alstroemeriaceae | Alstroemeria crispata Phil.                  | III-IV                               |
| Magnoliophyta | Liliopsida    | Alstroemeriaceae | Alstroemeria kingii Phil.                    | III-IV                               |
| Magnoliophyta | Liliopsida    | Alstroemeriaceae | Alstroemeria philippi Baker                  | III-IV                               |
| Magnoliophyta | Liliopsida    | Alstroemeriaceae | Alstroemeria sp.                             | Indeterminado                        |

TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.

| DIVISIÓN      | CLASE         | FAMILIA          | NOMBRE CIENTIFICO                               | DISTRIBUCIÓN                          |
|---------------|---------------|------------------|---|---------------------------------------|
| Magnoliophyta | Magnoliopsida | Primulaceae      | Anagallis alternifolia Cav.                     | II-III-IV-V-VI-VII-VIII-IX-X-XI-XII-M |
| Magnoliophyta | Magnoliopsida | Bignoniaceae     | Argyria potentillifolia DC.                     | III-IV                                |
| Magnoliophyta | Magnoliopsida | Bignoniaceae     | Argyria radiata (L.) D. Don                     | I-II-III-IV-V                         |
| Magnoliophyta | Magnoliopsida | Aristolochiaceae | Aristolochia bridgesii (Klotzsch) Duch.         | III-IV                                |
| Magnoliophyta | Magnoliopsida | Aristolochiaceae | Aristolochia chilensis Bridges ex Lindl.        | III-IV-V                              |
| Magnoliophyta | Liliopsida    | Poaceae          | Arundo donax L.                                 | I-II-III-IV-IX-M                      |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Astragalus cruckshanksii (Hook. & Arn.) Griseb. | III-IV-V-VI-VII-M                     |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Astragalus sp.                                  | Indeterminado                         |
| Magnoliophyta | Magnoliopsida | Chenopodiaceae   | Atriplex deserticola Phil.                      | II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Chenopodiaceae   | Atriplex imbricata (Moq.) D. Dietr.             | I-II-III                              |
| Magnoliophyta | Magnoliopsida | Chenopodiaceae   | Atriplex semibaccata R. Br.                     | II-III-IV-V-M                         |
| Magnoliophyta | Magnoliopsida | Cactaceae        | Austrocylindropuntia miquelii (Monv.) Backeb.   | III-IV                                |
| Magnoliophyta | Magnoliopsida | Apiaceae         | Azorella madreporica Clos.                      | III-IV-V-VI-VII-M                     |
| Magnoliophyta | Magnoliopsida | Asteraceae       | Baccharis linearis (Ruiz & Pav.) Pers.          | III-IV-V-VI-VII-VIII-IX-X-M           |
| Magnoliophyta | Magnoliopsida | Asteraceae       | Baccharis salicifolia (Ruiz & Pav.) Pers. Jara  | I-II-III-IV-V-VI-VII-VIII-IX-X-M      |
| Magnoliophyta | Magnoliopsida | Asteraceae       | Bahia ambrosioides Lag.                         | I-II-III-IV-V-VI-VIII-M               |
| Magnoliophyta | Magnoliopsida | Ledocarpaceae    | Balbisia peduncularis (Lindl.) D. Don           | II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Balsamocarpon brevifolium Clos.                 | III-IV                                |
| Magnoliophyta | Magnoliopsida | Asteraceae       | Bidens pilosa L.                                | I-III-IV-V-VI-M                       |
| Magnoliophyta | Liliopsida    | Poaceae          | Bromus berterioanus Colla                       | I-II-III-IV-V-VI-VII-VIII-IX-M        |
| Magnoliophyta | Liliopsida    | Poaceae          | Bromus sp.                                      | Indeterminado                         |
| Magnoliophyta | Magnoliopsida | Buddlejaceae     | Buddleja suaveolens Kunth & Bouché              | III-IV                                |
| Magnoliophyta | Magnoliopsida | Zygophyllaceae   | Bulnesia chilensis Gay                          | III-IV                                |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Caesalpinia angulata (Hook. & Arn.) Baill.      | III-IV                                |
| Magnoliophyta | Magnoliopsida | Calceolariaceae  | Calceolaria pinifolia Cav.                      | III-IV                                |
| Magnoliophyta | Magnoliopsida | Calceolariaceae  | Calceolaria sp.                                 | Indeterminado                         |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Calliandra chilensis Benth.                     | III-IV                                |
| Magnoliophyta | Magnoliopsida | Onagraceae       | Camissonia dentanta (Cav.) Reiche               | I-III-IV-V-VI-VII-VIII-IX-M           |
| Magnoliophyta | Liliopsida    | Cyperaceae       | Carex sp.                                       | Indeterminado                         |
| Magnoliophyta | Magnoliopsida | Asteraceae       | Centaurea sp.                                   | Indeterminado                         |

TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.

| DIVISIÓN      | CLASE         | FAMILIA        | NOMBRE CIENTIFICO  | DISTRIBUCIÓN              |
|---------------|---------------|----------------|--|---------------------------|
| Magnoliophyta | Magnoliopsida | Montiaceae     | Cistanthe cabreræ (Añon) Peralta                             | II-III-IV                 |
| Magnoliophyta | Magnoliopsida | Montiaceae     | Cistanthe calycina (Phil.) Carolin ex Hershkovitz            | II-III-IV                 |
| Magnoliophyta | Magnoliopsida | Montiaceae     | Cistanthe celosioides (Phil.) Carolin ex Hershkovitz         | I-II-III                  |
| Magnoliophyta | Magnoliopsida | Montiaceae     | Cistanthe coquimbensis (Barnéoud) Carolin ex Hershkovitz     | III-IV                    |
| Magnoliophyta | Magnoliopsida | Montiaceae     | Cistanthe grandiflora (Lindl.) Schldl.                       | I-II-III-IV-V-VI-VII-VIII |
| Magnoliophyta | Magnoliopsida | Montiaceae     | Cistanthe longiscapa (Barnéoud) Carolin ex Hershkovitz       | II-III-IV                 |
| Magnoliophyta | Magnoliopsida | Montiaceae     | Cistanthe sp. 1  | Indeterminado             |
| Magnoliophyta | Magnoliopsida | Montiaceae     | Cistanthe sp. 2  | Indeterminado             |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Conyza bonariensis (L.) Cronquist                            | I-III-IV-V-VII-VIII-IX-M  |
| Magnoliophyta | Magnoliopsida | Cactaceae      | Copiapoa coquimbana (Rümpfer) Britton & Rose                 | III-IV                    |
| Magnoliophyta | Magnoliopsida | Cactaceae      | Copiapoa coquimbana (Rümpfer) Britton & Rose var. coquimbana | III-IV                    |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Cordia decandra Hook. et Arn.                                | III-IV                    |
| Magnoliophyta | Liliopsida    | Poaceae        | Cortaderia speciosa (Nees & Mayen) Stapf                     | I-II-III-IV-M             |
| Magnoliophyta | Magnoliopsida | Crassulaceae   | Crassula connata (Ruiz & Pav.) A. Berger                     | I-II-III-IV-V-VI-M        |
| Magnoliophyta | Magnoliopsida | Malvaceae      | Cristaria aspera Gay   | II-III-IV                 |
| Magnoliophyta | Magnoliopsida | Malvaceae      | Cristaria cyanea Phil. ex Baker f.                           | I-III-IV                  |
| Magnoliophyta | Magnoliopsida | Malvaceae      | Cristaria glaucophylla Cav.                                  | III-IV-V-VII-M            |
| Magnoliophyta | Magnoliopsida | Malvaceae      | Cristaria gracilis Gay                                       | I-II-III-IV               |
| Magnoliophyta | Magnoliopsida | Malvaceae      | Cristaria sp.  | Indeterminado             |
| Magnoliophyta | Magnoliopsida | Rubiaceae      | Cruckshanksia hymenodon Hook. & Arn.                         | II-III-IV-V-M             |
| Magnoliophyta | Magnoliopsida | Rubiaceae      | Cruckshanksia pumila Clos                                    | II-III-IV                 |
| Magnoliophyta | Magnoliopsida | Rubiaceae      | Cruckshanksia sp.  | Indeterminado             |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Cryptantha diffusa (Phil.) I.M. Johnst                       | I-II-III-IV               |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Cryptantha gnaphalioides (A. DC.) Reiche                     | II-III-IV                 |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Cryptantha sp. 1   | Indeterminado             |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Cryptantha sp. 2   | Indeterminado             |
| Magnoliophyta | Magnoliopsida | Cactaceae      | Cumulopuntia sphaerica (C.F. Först.) E.F. Anderson           | I-II-III-IV-V             |
| Magnoliophyta | Magnoliopsida | Convolvulaceae | Cuscuta sp.  | Indeterminado             |
| Magnoliophyta | Magnoliopsida | Apocynaceae    | Cynanchum atacamense Liède                                   | II-III-IV                 |
| Magnoliophyta | Liliopsida    | Poaceae        | Cynodon dactylon (L.) Pers                                   | I-II-III-IV-V-VI-VII-     |

TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.

| DIVISIÓN       | CLASE          | FAMILIA        | NOMBRE CIENTIFICO  | DISTRIBUCIÓN                            |
|----------------|----------------|----------------|--|---|
|                |                |                |  | VIII-M                                  |
| Polypodiophyta | Polypodiopsida | Pteridaceae    | Cheilanthes mollis (Kunze) C. Presl                                  | I-II-III-IV-V-M                         |
| Magnoliophyta  | Magnoliopsida  | Chenopodiaceae | Chenopodium album L.   | I-II-III-IV-V-VI-VII-VIII-IX-X-XI-XII-M |
| Magnoliophyta  | Magnoliopsida  | Chenopodiaceae | Chenopodium hircinum Schrad.   | I-II-III-IV-V-M                         |
| Magnoliophyta  | Magnoliopsida  | Polygonaceae   | Chorizanthe commissuralis J. Remy                                    | I-II-III-IV                             |
| Magnoliophyta  | Magnoliopsida  | Polygonaceae   | Chorizanthe sp.  | Indeterminado                           |
| Magnoliophyta  | Magnoliopsida  | Asteraceae     | Chuiraga ulicina (Hook. & Arn.) Hook. & Arn.                         | III-IV-V                                |
| Magnoliophyta  | Magnoliopsida  | Brassicaceae   | Descurainia cumingiana (Fisch. & C.A. Mey.) Prantl                   | III-IV-V-M                              |
| Magnoliophyta  | Liliopsida     | Poaceae        | Deyeuxia sp.   | Indeterminado                           |
| Magnoliophyta  | Magnoliopsida  | Malpighiaceae  | Dinemagonum gayanum A. Juss.   | III-IV                                  |
| Magnoliophyta  | Liliopsida     | Dioscoreaceae  | Dioscorea humifusa Poepp.  | III-IV                                  |
| Magnoliophyta  | Magnoliopsida  | Chenopodiaceae | Dysphania ambrosioides (L.) Mosyakin & Clemants                      | I-II-III-IV-V-VI-VII-VIII-IX-X-M        |
| Magnoliophyta  | Magnoliopsida  | Chenopodiaceae | Dysphania chilensis (Schrad.) Mosyakin & Clemants                    | III-IV-V-VI-VII-VIII-M                  |
| Magnoliophyta  | Magnoliopsida  | Chenopodiaceae | Dysphania multifida L.   | I-II-III-IV-V-VI-VII-VIII-IX-X-M        |
| Magnoliophyta  | Magnoliopsida  | Asteraceae     | Encelia canescens Lam.   | I-III-IV                                |
| Pinophyta      | Gnetopsida     | Ephedraceae    | Ephedra breana Phil.   | I-II-III-IV                             |
| Pinophyta      | Gnetopsida     | Ephedraceae    | Ephedra sp.  | Indeterminado                           |
| Polypodiophyta | Equisetopsida  | Equisetaceae   | Equisetum giganteum L  | I-III-IV-V-VI-VIII-IX-M                 |
| Magnoliophyta  | Liliopsida     | Poaceae        | Eragrostis sp.   | Indeterminado                           |
| Magnoliophyta  | Magnoliopsida  | Cactaceae      | Eriosyce aurata (Pfeiff.) Backeb. var. spinibarbis (F. Ritter) Katt. | I-II-III                                |
| Magnoliophyta  | Magnoliopsida  | Geraniaceae    | Erodium cicutarium (L.) L'Hér. ex Aiton                              | I-II-III-IV-V-VI-VII-VIII-IX-X-XI-XII-M |
| Magnoliophyta  | Magnoliopsida  | Geraniaceae    | Erodium moschatum (L.) L'Hér. ex Aiton                               | III-IV-V-VI-VII-VIII-IX-X-M             |
| Magnoliophyta  | Magnoliopsida  | Fabaceae       | Erazurizia multifoliolata (Clos) I.M. Johnst.                        | II-III-IV                               |
| Magnoliophyta  | Magnoliopsida  | Escalloniaceae | Escallonia angustifolia C. Presl                                     | I-III-IV                                |
| Magnoliophyta  | Magnoliopsida  | Cactaceae      | Eulychnia acida Phil.  | III-IV                                  |
| Magnoliophyta  | Magnoliopsida  | Euphorbiaceae  | Euphorbia thinophila Phil.   | II-III-IV                               |
| Magnoliophyta  | Magnoliopsida  | Solanaceae     | Fabiana imbricata Ruiz & Pav.  | III-IV-V-VI-VII-VIII-IX-X-M             |

TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.

| DIVISIÓN      | CLASE         | FAMILIA        | NOMBRE CIENTIFICO  | DISTRIBUCIÓN                            |
|---------------|---------------|----------------|--|---|
| Magnoliophyta | Magnoliopsida | Zygophyllaceae | Fagonia chilensis Hook. & Arn.                                 | I-II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Frankeniaceae  | Frankenia chilensis C. Presl                                   | I-II-III-IV-M                           |
| Magnoliophyta | Magnoliopsida | Rubiaceae      | Galium suffruticosum Hook. & Arn.                              | III-IV-V-VI-VII-M                       |
| Magnoliophyta | Magnoliopsida | Fabaceae       | Geoffraea decorticans (Gillies ex Hook. & Arn.)<br>Burkart     | I-II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Polemoniaceae  | Gilia laciniata Ruiz & Pav.                                    | I-II-III-IV-V-VI-VII-<br>VIII-IX-X-XI-M |
| Magnoliophyta | Magnoliopsida | Polemoniaceae  | Gilia valdiviensis Griseb.                                     | IV-V-X-M                                |
| Magnoliophyta | Magnoliopsida | Verbenaceae    | Glandularia sulphurea (D. Don) Schnack & Covas                 | III-IV-V-IX-M                           |
| Magnoliophyta | Magnoliopsida | Apiaceae       | Gymnophyton flexuosum Clos.                                    | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Apiaceae       | Gymnophyton robustum Clos.                                     | I-III-IV                                |
| Magnoliophyta | Magnoliopsida | Apiaceae       | Gymnophyton spinosissimum Phil.                                | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Ranunculaceae  | Halerpestes exilis (Phil.) Tamura                              | I-II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Haplopappus baylahuen Remy                                     | III-IV                                  |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Haplopappus cfr. cerberuanus (J. Remy) Reiche                  | III-IV                                  |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Haplopappus philippii (Kuntze) H.M. Hall                       | III-IV                                  |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Haplopappus racemiger L. Klingenb                              | III- IV                                 |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Haplopappus stelliger J. Remy                                  | IV                                      |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Helenium atacamense Cabrera                                    | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Heliotropium chenopodiaceum var. ericoideum<br>(A. DC.) Clos   | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Heliotropium megalanthum I.M. Johnst.                          | III-IV                                  |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Heliotropium myosotifolium (A. DC.) Reiche                     | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Heliotropium sinuatum (Miers) I.M. Johnst.                     | I-II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Heliotropium sp.   | Indeterminado                           |
| Magnoliophyta | Magnoliopsida | Fabaceae       | Hoffmannseggia glauca (Ortega) Eifert                          | III-IV-V-M                              |
| Magnoliophyta | Magnoliopsida | Apiaceae       | Homalocarpus dichotomus (Poepp. ex DC.)<br>Mathias & Constance | III-IV-V-VI-M                           |
| Magnoliophyta | Magnoliopsida | Apiaceae       | Homalocarpus digitatus (Phil.) Mathias &<br>Constance          | III                                     |
| Magnoliophyta | Liliopsida    | Poaceae        | Jarava plumosula (Nees ex Steud.) F. Rojas                     | II-III-IV-V-M                           |
| Magnoliophyta | Liliopsida    | Poaceae        | Jarava tortuosa (E. Desv.) Peñailillo                          | II-III-IV                               |
| Magnoliophyta | Liliopsida    | Juncaceae      | Juncus balticus Willd.   | II-III-IV-VIII-X-M                      |
| Magnoliophyta | Magnoliopsida | Krameriaceae   | Krameria cistoidea Hook. & Arn.                                | II-III-IV-V-M                           |
| Magnoliophyta | Magnoliopsida | Brassicaceae   | Lepidium tayloriae Al-Shehbaz                                  | III                                     |

TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.

| DIVISIÓN      | CLASE         | FAMILIA         | NOMBRE CIENTIFICO                            | DISTRIBUCIÓN                            |
|---------------|---------------|-----------------|--|---|
| Magnoliophyta | Liliopsida    | Alliaceae       | Leucocoryne appendiculata Phil.              | I-II-III                                |
| Magnoliophyta | Liliopsida    | Alliaceae       | Leucocoryne macropetala Phil.                | III-IV                                  |
| Magnoliophyta | Liliopsida    | Alliaceae       | Leucocoryne sp.                              | Indeterminado                           |
| Magnoliophyta | Magnoliopsida | Verbenaceae     | Lippia fragrans Turcz.                       | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Loasaceae       | Loasa sp.                                    | Indeterminado                           |
| Magnoliophyta | Magnoliopsida | Campanulaceae   | Lobelia oligophylla (Wedd.) Lammers          | I-II-III-IV-V-VI-VII-VIII-IX-X-XI-XII-M |
| Magnoliophyta | Magnoliopsida | Campanulaceae   | Lobelia polyphylla Hook. & Arn.              | III-IV-V-M                              |
| Magnoliophyta | Magnoliopsida | Solanaceae      | Lycium chilense Miers ex Bertero             | III-IV-V-VI-VII-M                       |
| Magnoliophyta | Magnoliopsida | Solanaceae      | Lycium minutifolium J. Remy                  | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Solanaceae      | Lycium stenophyllum J. Remy                  | I-II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Cactaceae       | Maihueiopsis glomerata (Haw.) R. Kiesling    | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Malesherbiaceae | Malesherbia humilis Poepp.                   | II-III-IV-V-VII-M                       |
| Magnoliophyta | Magnoliopsida | Malesherbiaceae | Malesherbia paniculata D. Don                | III-IV-V-VI-M                           |
| Magnoliophyta | Magnoliopsida | Malvaceae       | Malva parviflora L.                          | II-III-IV-V-VI-VII-VIII-IX-M            |
| Magnoliophyta | Magnoliopsida | Malvaceae       | Malva sp.                                    | Indeterminado                           |
| Magnoliophyta | Magnoliopsida | Lamiaceae       | Marrubium vulgare L.                         | II-IV-V-VI-VII-VIII-IX-X-XI-M           |
| Magnoliophyta | Magnoliopsida | Fabaceae        | Melilotus indicus (L.) All.                  | I-II-III-IV-V-VI-VII-VIII-IX-X-XI-M     |
| Magnoliophyta | Magnoliopsida | Brassicaceae    | Menonvillea orbiculata Phil.                 | III-IV                                  |
| Magnoliophyta | Magnoliopsida | Aizoaceae       | Mesembryanthemum crystallinum L.             | II-III-IV-V                             |
| Magnoliophyta | Magnoliopsida | Nyctaginaceae   | Mirabilis elegans (Choisy) Heimerl           | I-II-III-IV-V-M                         |
| Magnoliophyta | Magnoliopsida | Montiaceae      | Montiopsis capitata (Hook. & Arn.) D.I. Ford | I-III-IV-V-VI-VII-VIII-M                |
| Magnoliophyta | Magnoliopsida | Polygonaceae    | Muehlenbeckia hastulata (Sm.) I.M. Johnst.   | III-IV-V-VI-VII-VIII-IX-M               |
| Magnoliophyta | Magnoliopsida | Haloragaceae    | Myriophyllum quitense Kunth                  | I-II-III-IV-V-VII-VIII-IX-M             |
| Magnoliophyta | Magnoliopsida | Calyceraceae    | Nastanthus caespitosus (Phil.) Reiche        | II-III-IV                               |
| Magnoliophyta | Magnoliopsida | Cactaceae       | Neoporteria sociabilis F. Ritter             | III                                     |
| Magnoliophyta | Magnoliopsida | Solanaceae      | Nicotiana corymbosa J. Remy                  | II-III-IV-V-VI-VII-M                    |
| Magnoliophyta | Magnoliopsida | Solanaceae      | Nicotiana glauca Graham                      | I-II-III-IV-V-M                         |
| Magnoliophyta | Magnoliopsida | Solanaceae      | Nicotiana longibracteata Phil.               | II-III                                  |
| Magnoliophyta | Magnoliopsida | Solanaceae      | Nicotiana sp.                                | Indeterminado                           |

TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.

| DIVISIÓN      | CLASE         | FAMILIA        | NOMBRE CIENTIFICO   | DISTRIBUCIÓN                          |
|---------------|---------------|----------------|---|---------------------------------------|
| Magnoliophyta | Magnoliopsida | Nolanaceae     | Nolana crassulifolia Poepp  | III-IV-V                              |
| Magnoliophyta | Magnoliopsida | Nolanaceae     | Nolana divaricata (Lindl.) I.M. Johnst.                             | II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Nolanaceae     | Nolana rostrata (Lindl.) Miers ex Dunal                             | II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Nolanaceae     | Nolana salsoloides (Lindl.) I.M. Johnst.                            | II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Nolanaceae     | Nolana sedifolia Poepp.   | I-II-III-IV-V                         |
| Magnoliophyta | Magnoliopsida | Nolanaceae     | Nolana sp.  | Indeterminado                         |
| Magnoliophyta | Magnoliopsida | Malvaceae      | Nototriche ovata Krapov.  | III                                   |
| Magnoliophyta | Magnoliopsida | Onagraceae     | Oenothera coquimbensis Gay  | II-III-IV-V                           |
| Magnoliophyta | Magnoliopsida | Onagraceae     | Oenothera sp.   | Indeterminado                         |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Ophryosporus paradoxus (Hook. & Arn.) Benth. & Hook. ex B.D. Jacks. | III-IV-V-VI-M                         |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Ophryosporus triangularis Meyen                                     | I-II-III-IV                           |
| Magnoliophyta | Magnoliopsida | Oxalidaceae    | Oxalis gigantea Barnéoud  | II-III-IV                             |
| Magnoliophyta | Magnoliopsida | Oxalidaceae    | Oxalis megalorrhiza Jacq.   | I-II-III-IV-V-VI-VII-VIII-M           |
| Magnoliophyta | Magnoliopsida | Oxalidaceae    | Oxalis rosea Jacq.  | IV-V-VI-VII-VIII-IX-X-XI-M            |
| Magnoliophyta | Liliopsida    | Hyacinthaceae  | Oziroë biflora (Ruiz & Pav.) Speta                                  | I-II-III-IV-V-VI-VII-VIII-IX-M        |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Pachylaena atriplicifolia Hook. & Arn.                              | III-IV-V-VI-VII-M                     |
| Magnoliophyta | Liliopsida    | Poaceae        | Pappostipa atacamensis (Parodi) Romaschenko                         | II-III-IV-M                           |
| Magnoliophyta | Liliopsida    | Poaceae        | Pappostipa chrysophylla (E. Desv.) Romaschenko                      | I-II-III-IV-V-VI-VII-XII-M            |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Pectocarya linearis (Ruiz & Pav.) DC.                               | III-IV-V-VI-VIII-M                    |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Perezia purpurata Wedd.   | I-II-III-IV                           |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Perityle emoryi Torr.   | I-II-III-IV                           |
| Magnoliophyta | Magnoliopsida | Boraginaceae   | Phacelia cumingii (Benth.) A. Gray                                  | I-II-III-IV-V-VI-M                    |
| Magnoliophyta | Magnoliopsida | Solanaceae     | Phrodus microphyllus (Miers) Miers                                  | III-IV                                |
| Magnoliophyta | Liliopsida    | Cyperaceae     | Phylloscirpus sp.   | Indeterminado                         |
| Magnoliophyta | Magnoliopsida | Zygophyllaceae | Pintoa chilensis Gay  | III                                   |
| Magnoliophyta | Magnoliopsida | Plantaginaceae | Plantago australis Lam  | I-X-XII                               |
| Magnoliophyta | Magnoliopsida | Plantaginaceae | Plantago hispidula Ruiz & Pav.                                      | I-II-III-IV-V-VI-VIII-M               |
| Magnoliophyta | Magnoliopsida | Plantaginaceae | Plantago lanceolata L.  | II-III-IV-V-VI-VII-VIII-IX-X-XI-XII-M |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Pleocarpus revolutus D. Don   | III-IV                                |
| Magnoliophyta | Magnoliopsida | Lythraceae     | Pleurophora pungens D. Don  | II-III-IV-V-VI-M                      |



**TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.**

| DIVISIÓN      | CLASE         | FAMILIA        | NOMBRE CIENTIFICO  | DISTRIBUCIÓN                   |
|---------------|---------------|----------------|--|--------------------------------|
| Magnoliophyta | Magnoliopsida | Plumbaginaceae | Plumbago caerulea Kunth                                      | II-III-IV                      |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Polyachyrus sphaerocephalus D. Don                           | I-II                           |
| Magnoliophyta | Magnoliopsida | Fabaceae       | Prosopis cfr. flexouosa DC.                                  | III-IV                         |
| Magnoliophyta | Magnoliopsida | Fabaceae       | Prosopis chilensis (Molina) Stuntz emend. Burkart            | III-IV-V-VI                    |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Proustia illicifolia Hook. et Arn.                           | III-IV-V-M                     |
| Magnoliophyta | Liliopsida    | Bromeliaceae   | Puya boliviensis Baker                                       | II-III                         |
| Magnoliophyta | Magnoliopsida | Cactaceae      | Pyrrhocactus crispus F. Ritter                               | III                            |
| Magnoliophyta | Magnoliopsida | Brassicaceae   | Raphanus sativus L.  | III-IV-V-VI-VII-VIII-X-XII-M   |
| Magnoliophyta | Magnoliopsida | Brassicaceae   | Rapistrum rugosum (L.) All.                                  | III-IV-V-VI-VII-VIII-IX-X-M    |
| Magnoliophyta | Magnoliopsida | Solanaceae     | Reyesia parviflora (Phil.) Hunz.                             | II-III-IV                      |
| Magnoliophyta | Liliopsida    | Amaryllidaceae | Rhodophiala phycelloides (Herb.) Hunz.                       | III-IV-M                       |
| Magnoliophyta | Liliopsida    | Amaryllidaceae | Rhodophiala sp.  | Indeterminado                  |
| Magnoliophyta | Magnoliopsida | Euphorbiaceae  | Ricinus communis L.  | I-II-III-IV-V-VIII-M           |
| Magnoliophyta | Magnoliopsida | Salicaceae     | Salix humboldtiana Willd.                                    | I-II-III-IV-V-VI-VII-VIII-IX-M |
| Magnoliophyta | Magnoliopsida | Solanaceae     | Salpiglossis spinescens Clos.                                | III                            |
| Magnoliophyta | Liliopsida    | Cyperaceae     | Scirpus asper Presl. & Presl.                                | I-II-III-IV-M                  |
| Magnoliophyta | Magnoliopsida | Anacardiaceae  | Schinus molle L.   | I-II-III-IV-V-M                |
| Magnoliophyta | Magnoliopsida | Anacardiaceae  | Schinus polygama (Cav.) Cabr.                                | III-IV-V-VII-VIII-IX-X-M       |
| Magnoliophyta | Magnoliopsida | Anacardiaceae  | Schinus sp.  | Indeterminado                  |
| Magnoliophyta | Magnoliopsida | Solanaceae     | Schizanthus candidus Lindl.                                  | III-IV                         |
| Magnoliophyta | Magnoliopsida | Solanaceae     | Schizopetalon rupestre (Barnéoud) Reiche                     | III-IV                         |
| Magnoliophyta | Magnoliopsida | Solanaceae     | Schizopetalon sp.  | Indeterminado                  |
| Magnoliophyta | Liliopsida    | Cyperaceae     | Schoenoplectus americanus (Pers.) Volkart ex Schinz & Keller | I-III-IV-V-VI-VII-VIII-IX-X-M  |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Senecio alcicornis Hook. & Arn.                              | III-IV                         |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Senecio almeidae Phil.                                       | II-III                         |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Senecio chrysolepis Phil.                                    | II-III                         |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Senecio haenkei DC.  | II-III-IV                      |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Senecio johnstonianus Cabrera                                | III                            |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Senecio jorquerae Phil.                                      | III                            |
| Magnoliophyta | Magnoliopsida | Asteraceae     | Senecio oreophyton Remy                                      | II-III-IV                      |

**TABLA II.1. LISTADO DE FLORA VASCULAR PRESENTE EN EL ÁREA DE ESTUDIO.**

| DIVISIÓN      | CLASE         | FAMILIA          | NOMBRE CIENTIFICO  | DISTRIBUCIÓN                 |
|---------------|---------------|------------------|--|------------------------------|
| Magnoliophyta | Magnoliopsida | Asteraceae       | Senecio sp.  | Indeterminado                |
| Magnoliophyta | Magnoliopsida | Asteraceae       | Senecio sundtii Phil.  | II-III                       |
| Magnoliophyta | Magnoliopsida | Fabaceae         | Senna cumingii (Hook. & Arn.) H.S. Irwin & Barneby<br>var. cumingi | II-III-IV                    |
| Magnoliophyta | Liliopsida    | Poaceae          | Setaria sp.  | Indeterminado                |
| Magnoliophyta | Magnoliopsida | Cucurbitaceae    | Sicyos baderoa Hook. & Arn.  | I-II-III-IV-V-M              |
| Magnoliophyta | Magnoliopsida | Apocynaceae      | Skytanthus acutus Meyen  | II-III-IV                    |
| Magnoliophyta | Magnoliopsida | Solanaceae       | Solanum herba-bona Reiche  | III                          |
| Magnoliophyta | Magnoliopsida | Solanaceae       | Solanum remyanum Phil.   | II-III-IV                    |
| Magnoliophyta | Magnoliopsida | Asteraceae       | Tessaria absinthioides (Hook. & Arn.) DC.                          | I-II-III-IV-V-VI-VII-VIII-M  |
| Magnoliophyta | Magnoliopsida | Aizoaceae        | Tetragonia macrocarpa Phil.  | II-III-IV                    |
| Magnoliophyta | Magnoliopsida | Aizoaceae        | Tetragonia maritima Barnéoud                                       | II-III-IV                    |
| Magnoliophyta | Magnoliopsida | Aizoaceae        | Tetragonia microcarpa Phil.  | I-II-III                     |
| Magnoliophyta | Magnoliopsida | Lamiaceae        | Teucrium nudicaule Hook.   | II-III-IV                    |
| Magnoliophyta | Magnoliopsida | Cactaceae        | Thelocephala napina (Phil.) Y. Ito                                 | III                          |
| Magnoliophyta | Magnoliopsida | Loranthaceae     | Tristerix verticillatus (Ruiz & Pav.) Barlow & Wiens               | III-IV-V-VI-VII-VIII-X-M     |
| Magnoliophyta | Magnoliopsida | Tropaeolaceae    | Tropaeolum tricolor Sweet  | II-III-IV-V-VI-VII-VIII-IX-X |
| Magnoliophyta | Magnoliopsida | Valerianaceae    | Valeriana stricta Clos   | III-IV-V-VI-VII-M            |
| Magnoliophyta | Magnoliopsida | Scrophulariaceae | Verbascum virgatum Stokes  | IV-V-VI-VII-VIII-IX-X-M      |
| Magnoliophyta | Magnoliopsida | Asteraceae       | Viguiera revoluta (Meyen) S.F. Blake                               | III-IV-VI-VII-VIII-M         |
| Magnoliophyta | Magnoliopsida | Violaceae        | Viola polypoda Turcz.  | I-II-III-IV                  |
| Magnoliophyta | Magnoliopsida | Vivianiaceae     | Viviania marifolia Cav.  | III-IV-V-VI-VII-VIII-M       |
| Magnoliophyta | Liliopsida    | Tecophilaeaceae  | Zephyra elegans D. Don   | I-II-III-IV                  |