

附录I 滇西北各植被亚型保护优先性的综合评价结果

Appendix I Priority of the vegetation subtypes in Northwest Yunnan based on integrated evaluation

植被亚型 Vegetation subtypes	指标 Indicators (C)								
	物种多样性 Species diversity	珍稀濒危植物物种数 No. of rare and endangered plant species	植物物种保护级别 Protection level of plant species	群落稀有性 Rarity of the community type	特有植物物种数 No. of endemic plant species	群落特有性 Endemism of community type	综合评价得分 Score of integrated evaluation (S)	保护价值排序 Rank of conservation value	保护级别 Protection category
季风常绿阔叶林 Monsoon evergreen broad-leaved forest	2.000	4.000	5.000	5.000	2.000	5.000	4.317	1	一级 First category
高山、亚高山草甸 Alpine and subalpine meadow	3.100	3.700	2.000	3.800	2.000	4.000	3.487	2	二级 Second category
寒温性针叶林 Cold temperate coniferous forest	2.000	3.000	3.000	3.170	2.330	4.170	3.432	3	二级 Second category
温凉性针叶林 Cool temperate coniferous forest	2.000	3.000	3.000	2.500	3.500	4.000	3.363	4	二级 Second category
亚高山沼泽草甸 Subalpine swamping meadow	2.000	4.000	2.000	3.750	1.250	4.000	3.284	5	二级 Second category
中山湿性常绿阔叶林 Middle-mountain evergreen broad leaved forest	2.000	4.000	5.000	3.000	2.800	3.400	3.232	6	二级 Second category
寒温性灌丛 Cold temperate shrub	2.000	3.000	2.000	3.500	1.938	3.563	3.082	7	二级 Second category
干热河谷硬叶常绿阔叶林 Dry-hot valley sclerophyllous evergreen broad-leaved forest	2.000	1.000	1.000	3.000	5.000	3.000	2.974	8	三级 Third category
落叶阔叶林 Deciduous broad-leaved forest	1.750	4.000	4.000	2.500	2.250	3.250	2.901	9	三级 Third category
暖温性灌草丛及灌丛 Warm temperate shrub	3.000	2.000	2.000	2.330	2.670	3.000	2.740	10	三级 Third category
干热河谷灌丛 Dry-hot valley shrub	2.000	2.000	2.000	3.000	2.000	3.000	2.691	11	三级 Third category
寒温性山地硬叶常绿阔叶林 Cold temperate mountain sclerophyllous evergreen broad-leaved forest	2.000	1.000	1.000	2.330	3.330	3.000	2.637	12	三级 Third category
暖温性针叶林 Warm temperate coniferous forest	1.600	1.000	1.000	2.400	2.600	3.000	2.521	13	三级 Third category

附录II 滇西北各群落的综合评价结果

Appendix II The integrated evaluation result of associations in Northwest Yunnan

群落 Communities	指标 Indicators (C)								
	物种多样性 Species diver- sity	珍稀濒危植物 物种种数 No. of rare and endangered plant species	植物物种保护 级别 Protection level of plant species	群落稀有性 Rarity of the community type	特有植物物种 种数 No. of endemic plant species	群落特有性 Endemism of community type	综合评价得分 Score of inte- grated evaluation (S)	保护价值排序 Rank of con- servation value	保护级别 Protection cate- gory
鞘茎嵩草-玉龙嵩草群落 <i>Kobresia tunicate-K. stiebritziana</i> Comm.	5	4	2	4	3	5	4.335	1	一级 First category
怒江藤黄-润楠林 <i>Garcinia nuijiangensis-Machilus</i> spp. Comm.	2	4	5	5	2	5	4.317	2	一级 First category
大头蓟-绵毛橐吾-变色紫云菜群落 <i>Cirsium lidjiangense-Ligularia vel- lerea-Strobilanthes versicolor</i> Comm.	4	4	2	4	3	5	4.238	3	一级 First category
紫叶垂头菊-黄毛菊-梭砂贝母群落 <i>Cremanthodium</i> sp.- <i>Soro-seris umbrella-Fritillaria delavayi</i> Comm.	3	3	2	4	3	5	4.120	4	一级 First category
滇山杨-大白杜鹃群落 <i>Populus bonatii-Rhododendron decorum</i> Comm.	2	4	4	3	3	5	3.983	5	二级 Second category
苍山冷杉-杜鹃群落 <i>Abies delavayi-Rhododendron</i> spp. Comm.	2	3	3	4	2	5	3.966	6	二级 Second category
矮地榆-深紫糙苏-华扁穗草群落 <i>Sanguisorba filiformis-Blysmus sinocompres- sus-Phlomis atropurpurea</i> Comm.	2	4	2	4	2	5	3.922	7	二级 Second category
密枝杜鹃-乳黄杜鹃群落 <i>Rhododendron fastigiatum-R. lacteum</i> Comm.	2	3	2	4	2	5	3.900	8	二级 Second category
多变石栎-元江栲群落 <i>Lithocarpus variolosa-Castanopsis orthacantha</i> Comm.	2	4	5	4	3	4	3.750	9	二级 Second category
箭叶锦鸡儿-乌饭叶柳-小金露梅群落 <i>Caragana jubata-Salix vaccinioides-Dasiphora arbuscula</i> Comm.	2	3	2	4	4	4	3.652	10	二级 Second category
华扁穗草-深紫糙苏群落 <i>Blysmus sinocompressus-Phlomis atropurpurea</i> Comm.	2	4	2	3	1	5	3.602	11	二级 Second category
金鳞小叶杜鹃-高山桦群落 <i>Rhododendron</i> sp.- <i>Betula delavayi</i> Comm.	2	3	2	4	3	4	3.528	12	二级 Second category
高山松群落 <i>Pinus densata</i> Comm.	2	3	3	3	4	4	3.523	13	二级 Second category
大果红杉-箭竹群落 <i>Larix potaninii</i> var. <i>macrocarpa-Sinarundinaria nitida</i> Comm.	2	3	3	3	4	4	3.523	13	二级 Second category

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糙皮桦-长苞冷杉群落 <i>Betula utilis</i> var. <i>utilis</i> - <i>Abies georgei</i> Comm.	2	4	4	3	3	4	3.488	15	二级 Second category
长苞冷杉-苔草群落 <i>Abies georgei</i> - <i>Carex</i> sp. Comm.	2	3	3	4	2	4	3.471	16	二级 Second category
乌饭叶柳群落 <i>Salix vaccinioides</i> Comm.	2	3	2	4	2	4	3.404	17	二级 Second category
高山毛叶柳-腺房杜鹃群落 <i>Salix</i> sp.- <i>Rhododendron adenogynum</i> Comm.	2	3	2	4	2	4	3.404	17	二级 Second category
紫叶垂头菊-矮泽芹群落 <i>Cremanthodium</i> sp.- <i>Chamaesium</i> sp. Comm.	3	3	2	4	1	4	3.377	19	二级 Second category
云南羊茅-羊茅群落 <i>Festuca Vierhapperi</i> - <i>F. ovina</i> Comm.	5	4	2	4	3	3	3.344	20	二级 Second category
毛喉杜鹃-腺房杜鹃-乌饭叶柳群落 <i>Rhododendron cephalanthum</i> - <i>R. adenogynum</i> - <i>Salix vaccinioides</i> Comm.	2	3	2	3	3	4	3.333	21	二级 Second category
包斗栎-滇八角-箭竹群落 <i>Lithocarpus craibianus</i> - <i>Illicium yunnanense</i> - <i>Sinarundinaria</i> sp. Comm.	2	4	5	3	5	3	3.307	22	二级 Second category
委陵菜-狭叶人参果-宽叶嵩草群落 <i>Potentilla dumosa</i> - <i>P. tenophylla</i> - <i>Kobresia</i> sp. Comm.	2	4	2	4	1	4	3.302	23	二级 Second category
狭叶人参果-滇黄芩-线叶嵩草群落 <i>Potentilla stenophylla</i> - <i>Kobresia</i> sp.- <i>Veratrilla baillonii</i> Comm.	2	4	2	4	1	4	3.302	23	二级 Second category
矮地榆-嵩草群落 <i>Sanguisorba filiformis</i> - <i>Kobresia</i> sp. Comm.	2	4	2	4	1	4	3.302	23	二级 Second category
丽江云杉-箭竹群落 <i>Picea likiangensis</i> - <i>Sinarundinaria</i> sp. Comm.	2	3	3	3	2	4	3.275	26	二级 Second category
长苞冷杉-杜鹃群落 <i>Abies georgei</i> - <i>Rhododendron</i> spp. Comm.	2	3	3	3	2	4	3.2752	26	二级 Second category
青冈栎-多变石栎-银木荷群落 <i>Cyclobalanopsis glauca</i> - <i>Lithocarpus variolosa</i> - <i>Schima argentea</i> Comm.	2	4	5	2	2	4	3.235	28	二级 Second category
西南鸢尾-苍山橐吾群落 <i>Iris bulleyana</i> - <i>Ligularia tsangshangensis</i> Comm.	2	4	2	3	2	4	3.231	29	二级 Second category
滇黄芩-西南鸢尾群落 <i>Veratrilla baillonii</i> - <i>Iris bulleyana</i> Comm.	2	4	2	3	2	4	3.231	29	二级 Second category
灰背杜鹃-峨眉蔷薇群落 <i>Rhododendron hippophaeoides</i> - <i>Rosa omeiensis</i> Comm.	2	3	2	3	2	4	3.209	31	二级 Second category

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云南铁杉-箭竹群落 <i>Tsuga dumosa-Sinarundinaria nitida</i> Comm.	2	3	3	2	3	4	3.204	32	二级 Second category
矮高山栎-矮生胡枝子群落 <i>Quercus monimotricha-Lespedeza forrestii</i> Comm.	2	3	2	2	3	4	3.137	33	二级 Second category
川滇杜鹃-银露梅群落 <i>Rhododendron traillianum-Dasiphora glabra</i> var. <i>rhodocalyx</i> Comm.	2	3	2	3	1	4	3.085	34	二级 Second category
长苞冷杉-箭竹群落 <i>Abies georgei-Sinarundinaria nitida</i> Comm.	2	3	3	2	2	4	3.078	35	二级 Second category
铁橡栎-清香木群落 <i>Quercus coccoferoides-Pistacia weinmannifolia</i> Comm.	2	1	1	3	5	3	2.974	36	三级 Third category
青冈栎-硬斗石栎-红淡群落 <i>Cyclobalanopsis glauca-Lithocarpus han- cei-Adinandra</i> sp. Comm.	2	4	5	3	2	3	2.935	37	三级 Third category
秃杉-西藏山茉莉-青冈栎群落 <i>Taiwania flousiana-Huodendron tibe- ticum-Cyclobalanopsis glauca</i> Comm.	2	4	5	3	2	3	2.935	37	三级 Third category
云南锦鸡儿-青刺尖群落 <i>Caragana franchetiana-Prinsepia utilis</i> Comm.	2	3	2	4	2	3	2.909	39	三级 Third category
短柱杜鹃-糙线毛杜鹃-紫岩梅群落 <i>Rhododendron brevistylum-Rhododendron</i> sp.- <i>Diapensia purpurea</i> Comm.	2	3	2	4	2	3	2.909	39	三级 Third category
云南松-穗序野古草-西南委陵菜群落 <i>Pinus yunnanensis-Arundinella chenii-Potentilla</i> <i>fulgens</i> Comm.	5	2	2	3	1	3	2.856	41	三级 Third category
川滇高山栎群落 <i>Quercus aquifolioides</i> Comm.	2	1	1	3	4	3	2.850	42	三级 Third category
云南松-帽斗栎-黄背栎群落 <i>Pinus yunnanensis-Quercus guayavaefolia-Q. pan- nosa</i> Comm.	2	1	1	3	4	3	2.850	42	三级 Third category
滇北蔷薇-马鞍叶-光叶高山栎群落 <i>Rosa mairei-Bauhinia faberi-Quercus rehderiana</i> Comm.	2	2	2	3	3	3	2.815	44	三级 Third category
香柏群落 <i>Sabina pingii</i> var. <i>wilsonii</i> Comm.	2	3	2	4	1	3	2.785	45	三级 Third category
沙棘-细圆齿火棘群落 <i>Hippophae rhamnoides-Pyracantha crenulata</i> Comm.	2	3	2	4	1	3	2.785	45	三级 Third category
水柏枝-马桑群落	2	3	2	4	1	3	2.785	45	三级

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<i>Myricaria germanica</i> - <i>Coriaria nepalensis</i> Comm.									Third category
白刺花-小马鞍叶群落	2	2	2	3	2	3	2.691	48	三级
<i>Sophora viciifolia</i> - <i>Bauhinia faberi</i> var. <i>microphylla</i> Comm.									Third category
帽斗栎-管花木樨群落	2	1	1	2	4	3	2.655	49	三级
<i>Quercus guyavaefolia</i> - <i>Osmanthus delavayi</i> Comm.									Third category
毛喉杜鹃-副萼柳群落	2	3	2	3	1	3	2.589	50	三级
<i>Rhododendron cephalanthum</i> - <i>Salix calyculata</i> Comm.									Third category
华山松-滇中画眉草-穗序野古草群落	2	2	2	1	4	3	2.548	51	三级
<i>Pinus armandi</i> - <i>Eragrostis mairei</i> - <i>Arundinella chenii</i> Comm.									Third category
黄背栎-红毛花楸群落	2	1	1	2	2	3	2.407	52	三级
<i>Quercus pannosa</i> - <i>Sorbus rufopilosa</i> Comm.									Third category
云南松-旱冬瓜-榲桲群落	2	1	1	2	2	3	2.407	52	三级
<i>Pinus yunnanensis</i> - <i>Alnus nepalensis</i> - <i>Quercus aliena</i> Comm.									Third category
绿叶垂头菊-山葶苈群落	3	3	2	4	1	2	2.386	54	三级
<i>Cremanthodium hookeri</i> - <i>Draba oreodoxa</i> Comm.									Third category
槭树-红桦-箭竹群落	2	4	4	3	2	2	2.373	55	三级
<i>Acer</i> spp.- <i>Betula albosinensis</i> - <i>Sinarundinaria</i> sp. Comm.									Third category
华扁穗草-锡金报春群落	2	4	2	4	1	2	2.311	56	三级
<i>Blysmus sinocompressus</i> - <i>Primula sikkimensis</i> Comm.									Third category
华山松-铁仔-杜鹃群落	1	1	1	1	3	3	2.239	57	三级
<i>Pinus armandi</i> - <i>Myrsine Africana</i> - <i>Rhododendron</i> spp. Comm.									Third category
云南松-灰背栎群落	1	1	1	2	1	3	2.187	58	三级
<i>Pinus yunnanensis</i> - <i>Quercus senescens</i> Comm.									Third category
高山柏-高山嵩草群落	2	3	2	2	1	2	1.898	59	一般
<i>Sabina squamata</i> - <i>Kobresia pygmaea</i> Comm.									General category
旱冬瓜-蕨菜群落	1	4	4	1	1	2	1.762	60	一般
<i>Alnus nepalensis</i> - <i>Pteridium aquilinum</i> var. <i>latiusculum</i> Comm.									General category
华山松-小檗群落	2	1	1	4	3	3	1.487	61	一般
<i>Pinus armandi</i> - <i>Berberis</i> sp. Comm.									General category