Supplementary Table 1. C4 and CAM plants currently found on the Snake River Plain (after Ehleringer et al., 1997 and the

USDA Plants database).

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| **Scientific Name** | **Common Name** | **Family** | **Class** | **Status** | **Pathway** |
| *Amaranthus retroflexus* | Redroot amaranth | Amaranthaceae | Forb | Native | C4 |
| *Aristida purpurea var. longiseta* | Fendler threeawn | Poaceae | Grass | Native | C4 |
| *Aristida sp.* | Three awn | Poaceae | Grass | Native | C4 |
| *Aristida purpurea* | Purple threeawn | Poaceae | Grass | Native | C4 |
| *Atriplex canescens* | Fourwing saltbush | Chenopodiaceae | Shrub | Native | C4 |
| *Atriplex concertifolia* | Shadscale saltbush | Chenopodiaceae | Shrub | Native  | C4 |
| *Atriplex falcata* | Sickle saltbush | Chenopodiaceae | Shrub | Native | C4 |
| *Atriplex truncata* | Wedgescale saltbush | Chenopodiaceae | Forb | Native | C4 |
| *Bassia scoparia* | Kochia; Mexican fireweed | Chenopodiaceae | Forb | Introduced | C4 |
| *Bouteloua gracilis* | Blue grama | Poaceae | Grass | Native  | C4 |
| *Chamaesyce glyptosperma* | Ribseed sandmat | Euphorbiaceae | Forb | Native | C4 |
| *Chamaesyce serpyllifolia* | Thymeleaf sandmat | Euphorbiaceae | Forb | Native | C4 |
| *Crassula aquatica* | Water pygmyweed | Crassulaceae | Forb | Native  | CAM |
| *Crassula viridis* | Pricklyseed pygmyweed | Crassulaceae | Forb | Native  | CAM |
| *Cyperus squarrosus* | Bearded flatsedge | Cyperaceae | Grass | Native | C4 |
| *Distichlis spicata* | Saltgrass | Poaceae | Grass | Native | C4 |
| *Echinochloa muricata* | Rough barnyardgrass | Poaceae | Grass | Native | C4 |
| *Eleocharis acicularis* | Needle spikerush | Cyperaceae | Grass | Native | C4 |
| *Eleocharis bolanderi* | Bolander's spikerush | Cyperaceae | Grass | Native | C4 |
| *Eleocharis macrostachya* | Pale spikerush | Cyperaceae | Grass | Native | C4 |
| *Eragrostis hypnoides* | Teal lovegrass | Poaceae | Grass | Native | C4 |
| *Eragrostis cilianensis* | Stinkgrass | Poaceae | Grass | Native | C4 |
| *Grayia (Atriplex) spinosa* | Spiny hopsage | Chenopodiaceae | Shrub | Native | C4 |
| *Halogeton glomeratus* | Halogeton; Saltlover | Amaranthaceae | Forb | Introduced | C4 |
| *Hylotelephium telephium* | Witch’s moneybags | Crassulaceae | Forb | Introduced | CAM |
| *Opuntia polyacantha* | Plains pricklypear | Cactaceae | Shrub | Native | CAM |
| *Panicum capillare* | Witchgrass | Poaceae | Grass | Native | C4 |
| *Panicum dichotomiflorum*  | Fall panicgrass | Poaceae | Grass | Native | C4 |
| *Panicum virgatum* | Switchgrass | Poaceae | Grass | Native | C4 |
| *Salicornia rubra* | Red swampfire | Chenopodiaceae | Forb | Native | C4 |
| *Salsola kali* | Russian thistle | Chenopodiaceae | Forb | Introduced | C4 |
| *Sedum acre* | Goldmoss stonecrop | Crassulaceae | Forb | Introduced | CAM |
| *Sedum debile* | Orpine stonecrop | Crassulaceae | Forb | Native  | CAM |
| *Sedum lanceolatum* | Spearleaf stonecrop | Crassulaceae | Forb | Native  | CAM |
| *Sedum stenopetalum* | Wormleaf stonecrop | Crassulaceae | Forb | Native  | CAM |
| *Spartina gracilis* | Alkali cordgrass | Poaceae | Grass | Native | C4 |
| *Sporobolos airoides* | Alkali sacaton | Poaceae | Grass | Native  | C4 |
| *Sporobolus compositus*  | Composite dropseed | Poaceae | Grass | Native | C4 |
| *Sporobolus cryptandrus* | Sand dropseed | Poaceae | Grass | Native | C4 |
| *Suaeda calceoliformes* | Pursh seepweed | Chenopodiaceae | Subshrub | Native | C4 |