Field Number or other location (Transition Habitat/Goal Habitat)	Acres	2024 History	2025 Field Prep Estimate: Date and Method	Species List	Equipment Required
1A (pollinator and wildlife crops)	2.85	Irrigation season deliver water to MMSU. Hand broadcasted pollinator seed with monsoons. Pollinator-forage support planting and seeding in March-May. Managed nonnative by hand. No heavy equipment within field. Extracted elms along east edge. Maintained hedgerow and wood chip supply.	Improve irrigation connection point and add gate for mini moist soil unit; seed and transplant to increase densities of species list pollinator plants; continue to manage nonnative species by hand and with targeted mowing; continue monitoring wildlife drinker and camera	Containerized plants: Rhus trilobata, Forestiera neomexicana, Ericameria nauseosa, Amorpha fruticosa, Chilopsis linearis, Solidago canadensis, Ribes aureum, Fallugia paradoxa, Celtis reticulata. Seed: Heterotheca villosa, Datura quercifolia, Datura wrightii, Erigeron divergens, Xanthisma spinulosum, Sphaeralcea spp., Ratibida tagetes, Senecio flaccidus, Dalea candida, Thelosperma megapotamicum, Glycyrrhiza lepidota, Linum lewisi, Helianthus annuus, Guara coccinea, Apocymun cannabinum, Metzelia multiflora, Anemopsis californica.	Truck and water trailer
1B (salt shrubland-SS)	5.51	Irrigate basins as needed, approx. 1/month. Install perches for insectivorous birds. Remove nonnative species and supplement wood chip mulch as it breaks down. Maintain middle grassland as native species continue to emerge and establish in wood chip patches. No equipment use in this zone, minimize all forms of disturbance.	Irrigate basins as needed, approx. 1/month. Install perches for insectivorous birds. Remove nonnative species and supplement wood chip mulch as it breaks down. Plant and maintain middle grassland as native species continue to emerge and establish in wood chip patches. No equipment use in this zone, minimize all forms of disturbance. Diversify Chihuahuan Basins and zones between basins. Monitor Wildlife drinker and wildlife cameras.	Containerized plants: Ribes aureum, Sarcobatus vermiculatus, Isocoma pluriflora. Seed: Datura quercifolia, Helianthus ciliaris, Astragalus lentiginosus, Linum lewissi, Sphaeralcea angustifolia, Datura wrightii, Leptochloa fusca fascicularis, Distichlis spicata stricta, Sporobolus airoides, Pleuraphis jamesii, Sorghastrum nutans, Sporobolus wrightii, Scleropogon brevifolius, Isocoma pluriflora.	Truck and water trailer
1C (damp soil grassland-SG)	4.9	Conservation fallow. Mowed tumbleweeds before seed maturity. Bindweed problem has gotten worse over time.	Habitat design approved. Construction in 2025 is pending funding. Irrigation improvements include relocation and addition of gates and checks.	Containerized plants: Asclepias subverticillata, Anemopsis californica, Apocynum cannabinum, Sporobolus wrightii, Lycium torryi, Lycium pallidum, Sarcobatus vermiculatus, Krascheninnikovia lanata, Atriplex canescens. Seed: Isocoma pluriflora, Grendelia squarrosa, Helianthus ciliaris, Linum lewisii, Leptochloa fusca fascicularis, Distichlis spicata stricta, Sporobolus airoides, Sporobolus wrightii, Sporobolus cryptandrus, Bouteloua gracilis, Bothriochloa laguroides, Pleuraphis jamesii, Panicum obtusum.	Tractor, mower, bulldozer, grader, loader, dump trailer, skidsteer, miniexcavator, seed drill, water trailer, truck.

Field Number or other location (Transition Habitat/Goal Habitat)	Acres	2024 History	2025 Field Prep Estimate: Date and Method	Species List	Equipment Required
1D (dry soil grassland-BG)	9.13	Hand weeding and mowing to reduce abundance of invasive species and for light mulch cover. Maintain field borders (irrigation efficiency). Irrigate as needed and available. In September, southern half seeded with winter wildlife crop (wheat and rye) and native dry grassland species. Northern half not mowed or seeded because native cover is stronger.	Hand weeding and mowing to reduce abundance of invasive species and for light mulch cover. Maintain field borders (irrigation efficiency). Irrigate as needed and available. Prepare soil and plant for target species where non-native pressure allows.	Seed: Thelosperma megapotamicum, Grindelia squarrosa, Dimorphocarpa wislizeni, Cleome serrulata, Polanisia dodecandra, Guara parviflora, Ipomopsis longiflora, Datura quercilfolia, Datura wrightii, Heterotheca villosa, Psilostrophe tagetina, Ratibida tagetes, Senecio flaccidus, Senecio riddellii, Xanthisma spinulosum, Astragalus lentiginosus, Dalea scariosa, Linum lewisii, Metzelia multiflora, Sphaeralcea spp., Guara coccinea, Oenothera spp., Sporobolus airoides, Sporobolus wrightii, Sporobolus cryptandrus, Bouteloua gracilis, Bothriochloa laguroides, Pleuraphis jamesii, Panicum obtusum.	Tractor, flail mower, rototiller, seed drill; skidsteer
1E (wildlife crops transition to SG)	8.17	Continued hand weeding (curly dock) and mowing to reduce abundance of invasive species. September seeded winter wildlife crop (wheat, barley, rye). Native hand seeding and plugs within standing crop; irrigate as required.	Continue hand weeding (curly dock) and mowing to reduce abundance of invasive species. Drill wildlife crop in May (millet, oats, dryland corn) and August (barley, rye, wheat); irrigate as required. Make improvements to field borders as needed to increase irrigation efficiency.	Millet, oats, dryland corn, barley, rye, wheat.	Consider goat mob grazing for weed management and create public engagement campaign, press release, or similar. Tractor, flail mower, rototiller, seed drill; skidsteer
2A (arroyo margin AS transition to BG)	1.45	Seeds planted by hand, mulched, and irrigated. Johnson grass, sand burr, and goathead removed. Mowed twice. Rebuild field berm. Hand seeding instead of drill for more seeds per square foot.	Mow, irrigate, plant with species list as needed to increase drought resilience.	Seed: Sporobolus spp., Bouteloua spp., Muhlenbergia spp., Pascopyrum smithii, Pleuraphis jamesii, Sorghastrum nutans.	z-turn mower

Field Number or other location (Transition Habitat/Goal Habitat)	Acres	2024 History	2025 Field Prep Estimate: Date and Method	Species List	Equipment Required
2B (sandbar-SNB)	2.7	Conservation fallow; Sand bar construction completed in October and planting began.	Maintain plantings through bucket direct irrigation until monsoon season, then use flood irrigation to allow saturation of the sand bar channel. Bucket water plantings in the upper habitat as needed, approx. monthly.	Seed: Gaillardia pulchella, Thelesperma megapotamicum, Bailea multiradiata, Helianthus annuus, Dimorphocarpa wislizennii, Cleome serulata, Polanisia dodecandra, Nama hispidum, Guara parviflora, Ipomopsis longiflora, Datura spp., Heterotheca villosa, Psilostrophe tagetina, Ratibida spp., Senecio spp., Solidago altissima, Symphotrichum ericoides, Xanthisma spinulosum, Cucurbita foetidissima, Astragalus spp., Dalea spp., Metzelia multiflora, Guara coccinea, Oenothera spp., Erigeron devergens, Achnatherum hymenoides, Sporobolus spp., Bouteloua spp., Bothriochloa laguroides, Pleuraphis jamesii. Containerized plants: Ericameria nauseosa, Artemisia fillifolia, Gutierrezia sarothrae, Atriplex canescens, Krascheninnikovia lanata, Psorothamnus scoparius, Yucca glauca, Opuntia spp..	Skidsteer, truck, z-turn mower, water trailer.
2C (sandbar-SNB)	2.7	Conservation fallow; Sandbar construction completed in October and planting began.	Maintain plantings through bucket direct irrigation until monsoon season, then use flood irrigation to allow saturation of the sand bar channel. Bucket water plantings in the upper habitat as needed, approx. monthly.	Seed: Gaillardia pulchella, Thelesperma megapotamicum, Bailea multiradiata, Helianthus annuus, Dimorphocarpa wislizennii, Cleome serulata, Polanisia dodecandra, Nama hispidum, Guara parviflora, Ipomopsis longiflora, Datura spp., Heterotheca villosa, Psilostrophe tagetina, Ratibida spp., Senecio spp., Solidago altissima, Symphotrichum ericoides, Xanthisma spinulosum, Cucurbita foetidissima, Astragalus spp., Dalea spp., Metzelia multiflora, Guara coccinea, Oenothera spp., Erigeron devergens, Achnatherum hymenoides, Sporobolus spp., Bouteloua spp., Bothriochloa laguroides, Pleuraphis jamesii. Containerized plants: Ericameria nauseosa, Artemisia fillifolia, Gutierrezia sarothrae, Atriplex canescens, Krascheninnikovia lanata, Psorothamnus scoparius, Yucca glauca, Opuntia spp..	Skidsteer, truck, z-turn mower, water trailer.

Field Number or other location (Transition Habitat/Goal Habitat)	Acres	2024 History	2025 Field Prep Estimate: Date and Method	Species List	Equipment Required
2D (ephemeral wetland EW, damp soil wetland WM, and SS)	13.26	Left in wildlife crop until September mowing in North and South. Center stand was left in sunflowers, barley and wheat. October seeding of wheat, barley, rye and irrigated.	Drill to wildlife crop in April/May (millet, oats, dryland corn) and August/September (barley, rye, wheat), as irrigation allows. Emphasis is on creating dense standing grain ahead of winter.	Millet, oats, dryland corn, barley, rye, wheat.	Tractor, flail mower, rototiller, seed drill; skidsteer
3A (SS)	3.73	Seeds planted by hand, mulched, and irrigated. Johnson grass, sand burr, and goathead removed. Mowed twice. Rebuild field berm. Hand seeding instead of drill for more seeds per square foot.	Irrigate periodically to improve and maintain cover of native grasses. Remove Johnson grass and emergent sand burr and goathead in field and corresponding ditch	Seed: Sporobolus spp., Bouteloua spp., Muhlenbergia spp., Pascopyrum smithii, Pleuraphis jamesii, Sorghastrum nutans.	Tractor, flail mower, rototiller, seed drill; skidsteer
3B (BG)	3.91	Elms removed along entire western edge. Mowed with walk behind. No seeding in 2024.	Remove elms along north ditch bank. Remove annual non-native species by hand. Seed and mulch heavily for additional biomass and weed suppression. Irrigate as needed.	Seed: Thelosperma megapotamicum, Grindelia squarrosa, Dimorphocarpa wislizeni, Cleome serrulata, Polanisia dodecandra, Guara parviflora, Ipomopsis longiflora, Datura quercilfolia, Datura wrightii, Heterotheca villosa, Psilostrophe tagetina, Ratibida tagetes, Senecio flaccidus, Senecio riddellii, Xanthisma spinulosum, Astragalus lentiginosus, Dalea scariosa, Linum lewisii, Metzelia multiflora, Sphaeralcea spp., Guara coccinea, Oenothera spp., Sporobolus airoides, Sporobolus wrightii, Sporobolus cryptandrus, Bouteloua gracilis, Bothriochloa laguroides, Pleuraphis jamesii, Panicum obtusum.	Miniexcavator, truck, seed drill, tractor, skidsteer, z-turn mower.
3C (AS)	1.43	Non-native species removed by hand. Irrigated four times from May to October. Native grass plugs of five different species planted throughout in early Spring prior to irrigation	Remove non-native species by hand. Cut and remove larger elm and Russian olive. Plant New Mexico olive seedlings May-June.	Seed: Sporobolus spp., Bouteloua spp., Muhlenbergia spp., Pascopyrum smithii, Pleuraphis jamesii, Sorghastrum nutans.	Skidsteer, auger, truck, water trailer.

Field Number or other location (Transition Habitat/Goal Habitat)	Acres	2024 History	2025 Field Prep Estimate: Date and Method	Species List	Equipment Required
4A East ½ (wildlife crops) Non-Irrigated	3	Created large habitat berm, planted and maintained 137 native habitat shrubs, planted coyote willow south of viewing platform. Mowed tumbleweed once prior to seed maturity and periodically removed tumbleweed in late Summer and mid-Fall	Continue bucket watering plantings along West habitat berm. Continue tumbleweed and other non-natives removal.	Seed: Sporobolus spp., Bouteloua spp., Muhlenbergia spp., Pascopyrum smithii, Pleuraphis jamesii, Sorghastrum nutans.	Tractor, flail mower, rototiller, seed drill; skidsteer
4A West ½ (wildlife crops) Irrigated	3.26	Rake, till, and seed in April (daikon/ oats) Cleared field edges (Johnson grass) and mowed ditches. Multiple irrigation days. Mowed and drilled teff into oats in September and irrigated.	Mow, shallow till, and seed in April/May (teff with millet and daikon). Plant to winter wheat, barley, rye in late summer with goal to increase dense cover in winter as wildlife crop.	Teff, millet, oats, daikon, barley, wheat, rye.	Tractor, flail mower, rototiller, seed drill; skidsteer
4B (wildlife crops to SNB)	3.87	Cleared debris to improve irrigation. Removed Johnson grass, tumbleweed, and kochia from ditch bank. Mowed roadside. Multiple irrigation days. Millet and sunflowers maintained.	Mow, irrigate, shallow till to prepare for planting to teff, millet, and corn April-May. Remove Johnson grass by shallow till or by-hand.	Teff, millet, oats, sunflowers, corn.	Tractor, flail mower, rototiller, seed drill; skidsteer
4C (wildlife crops to SG)	3.27	Cut elms. Removed kochia and tumble weeds. Mowed western half of field to prevent seed maturity and reduce nonnative pressure. No irrigation to reduce Johnson grass vigor.	Mow, shallow till, and no-till drill sand dropseed and oats April-May. Remove Johnson grass by shallow till or by-hand. Begin irrigation in June.	Teff, millet, oats, sunflowers, corn.	Tractor, flail mower, rototiller, seed drill; skidsteer
4D (EW, WM, and SS)	5.3	Determined not to irrigate or seed to preserve existing cover and limit soil disturbance. Native species cover is increasing. Hand weeded nonnatives.	One irrigation to support existing native species.	Sunflower, barley, wheat, rye.	Tractor, flail mower, rototiller, seed drill; skidsteer

Field Number or other location (Transition Habitat/Goal Habitat)	Acres	2024 History	2025 Field Prep Estimate: Date and Method	Species List	Equipment Required
Hedgerows		All hedgerow plantings are maintained with regular watering and hand weeding. Siberian elms removed near 4A-4B and around the equipment yard. Bio Park utilizes small diameter Siberian elms from 4A-4B.	Auguring as needed for shrub planting preparation. In areas where Siberian elms have been removed, other multi-story canopy native replacement will occur with the correct timing.	Datura quercifolia, Senecio flaccidus, Heterotheca villosa, Sphaeralcea angustifolia, Erigeron divergens, E. flagellaris, Datura wrightii, Bouteloua gracilis, Bouteloua curtipendula, Muhlenbergia asperifolia, Pascopyrum smithii, Pleuraphis jamesii, Sorghastrum nutans, Sporobolus contractus, Sporobolus cryptandrus, Sporobolus airoides, Rhus microphylla, Rhus trilobata, Ericameria nauseosua, Baccharis salicina, Atriplex canescens, Ribes aureum, Forestiera pubescens, Fallugia paradoxa, Lycium pallidum, Lycium torreyi, Chilopsis linearis, Celtis reticulata, Prosopsis pubescens, Robinia pseudoacacia, Populus deltoides wislizenii, Salix amygdaloides, Salix exigua, Salix gooddingii, Parthenocissus vitacea	Skidsteer, auger, miniexcavator, truck, water totes.
Woodward House Nursery		Maintained tallpot shrubs; used modified system for grass and wetland plug care.	Ongoing: management of space with partners	All species listed above	Skidsteer.

*Exact species will reflect availability and native substitutions may be made.