Planting 67 – Sand Farm Walnut Wash and Wetland – 2006

Description: The plantings are located in the NW 40 acres of the Sand Farm. The first is the 6 acres area formerly know as trash gully now called walnut wash and the 5 acre field just to the north of it that is quite wet. See map

History: Walnut wash was cleared of most of the trees (silver maple, cherry, box elder etc.) during the summer of 2006. We left many walnuts, a few cottonwoods, cherries. several young oaks and dogwoods. This area was once known as trash gully for the piles of debris that were dumped there. Those piles were buried in 2001. The wet field just to the north was once farmed many years ago and since then willows and cotton woods have resprotouted. The field was sprayed with roundup once during the spring of 2006 but it was determined that we would not spary again since nice wet plants were found in the area. All of the hand collected seed and a barrel of wet combined mix were planted using the Vicon pendulum seed spreader during December 2006.

Planting Description:

Walnut Wash: 6 acres of dry mesic hardy mix (with many species found in the nearby sand farm plantings) was applied to the walnut wash area, both by hand and using the Vicon pendulum seed spreader. December 2006

Wet Area: 5 acres - All of the hand collected seed and a barrel of wet combined mix were planted using the Vicon pendulum seed spreader and Kubota tractor during December 2006.

		FORB		TALL GRASS		
		RATE	TOTAL	RATE	TOTAL	
MIX	ACRES	#s/AC	#s	#s/AC	#s	TOTAL
DRY MESIC						
HARDY	6	16.67	100	6.5	39	139
WET	5	44.25	221	6.5	32.5	254
					71.5	393

## Seed Mix:

## 2006 Sand Farm Walnut Wash - Combine Mix\*

Dry Mesic Hardy Mix included combined mixes from the sand farm and HQ plantings and left over hardy plants like, penstemon, monarda, false bonset, yellow coneflower, blackeyed susans, etc.

SCIENTIFIC NAME	COMMON NAME	Wet lbs
Actinomeris (Verbesina) alternifolia	Wingstem	2.875
Agastache scrophulariaefolia	Purple Giant Hyssop	0.1
Agrimonia parviflora	Swamp Agrimony	0.15

Amorpha furticosaIndigo Bash0.45Aneronce canadensisMeadow Anernone0.27Angelica grandifolilaGreat Angelica0.36Asclepias incarnataSwamp Milkwedl0.65Aster umbellatusFlat-topped Aster0.1875Baptias leucanthaWhite Wild Indigo9.51Bidens conosa (ripartia)Badian Plantain0.06Cacalia plantighne (tuberosa)Indian Plantain0.66Cacalia suaveolensSweets Scented Indian Plantain4.65Carex strictaTussock Sedge0.08Cassi fasciculataPatridge Pea0.0625Chelone glabraTurtlehead0.055Clenatus virginianaSwamp Thistle0.55Clenatus virginianaYingin's Bower0.16Corcopsis tripterisTall Corcopsis0.06Clynguns canadensisParine Wild Rye1.365Elynus villousSubted Joe Pye Weed5.625Euptorium maculatumSotted Joe Pye Weed5.625Euptorium maculatumGreat St. Johnswort5.38Hybrixus palustrisSuamp Rose Mallow0.02Hypericum pyramidutumGreat St. Johnswort5.38Hybrixus palustrisSensifive Fern60NumBER OF SPECIESSensifive Fern60Parine Wild BergamotGreat0.055Phytolaca americanaGrast St. Johnswort5.358Hypotis hirsutaGrast St. Johnswort5.358Hypotis hirsutaGrast St. Johnswort5.358Hypotis hirsutaG	Allium cernuum	Nodding Wild Onion	0.35
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Gentian (Gentianopsis) crinitaFringed Gentian0.35Hibiscus palustrisSwamp Rose Mallow0.2Hypericum pyramidatumGreat St. Johnswort5.358Hypoxis hirsutaYellow Star Grass0.05Liatris pycnostachyaTal Gayfeather; Prairie Blazing Star2.2Monarda fistulosaWild Bergamot0.315NUMBER OF SPECIES56Onoclea sensibilisSensitive Fern0.1Panicum virgatumPrairie Switch Grass0.05Phytolacca americanaGrass of parnassus0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm WetlandJacob's Ladder0.01PR Potholes Combie for Sand Farm WetlandSweet Blackeyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKate Figwort0.5Scorphularia marilandicaLate Figwort0.5	Eupatorium perfoliatum	Boneset	0.315
Hibiscus palustrisSwamp Rose Mallow0.2Hypericum pyramidatumGreat St. Johnswort5.358Hypoxis hirsutaYellow Star Grass0.05Liatris pyenostachyaTall Gayfeather; Prairie Blazing Star2.2Monarda fistulosaWild Bergamot0.315NUMBER OF SPECIES56Onoclea sensibilisSensitive Fern0.1Panicum virgatumPrairie Switch Grass0.05Phytolacca americanaOkeweed0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm WetlandMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan3.8Rumex orbiculatusGreat Water dock0.145Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKool Grass0.8Scorphularia marilandicaLite Figwort0.315	Gentiana (alba) flavida	Cream Gentian	0.225
Hypericun pyramidatumGreat St. Johnswort5.358Hypoxis hirsutaYellow Star Grass0.05Liatris pycnostachyaTall Gayfeather; Prairie Blazing Star2.2Monarda fistulosaWild Bergamot0.315NUMBER OF SPECIES56Onoclea sensibilisSensitive Fern0.1Panicum virgatumPrairie Switch Grass0.05Pytolacca americanaGrass of parnassus0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm WetlandJacob's Ladder0.145Rudbeckia subtomentosaSweet Black-eyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus grovinensDark Green Rush0.8Scirpus cyperinusWool Grass0.7Scrophularia marilandicaLate Figwort0.7Scrophularia marilandicaLate Figwort0.5	Gentiana (Gentianopsis) crinita	Fringed Gentian	0.35
Hypoxis hirsutaYellow Star Grass0.05Liatris pycnostachyaTall Gayfeather; Prairie Blazing Star2.2Monarda fistulosaWild Bergamot0.315NUMBER OF SPECIES56Onoclea sensibilisSensitive Fern0.1Panicum virgatumPrairie Switch Grass0.05Parnassia glaucaGrass of parnassus0.05Polemonium reptansPokeweed0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus gyperinusDark Green Rush0.8Scirpus cyperinusLate Figwort0.5Scrophularia marilandicaLate Figwort0.5	Hibiscus palustris	Swamp Rose Mallow	0.2
Liatris pycnostachyaTall Gayfeather; Prairie Blazing Star2.2Monarda fistulosaWild Bergamot0.315NUMBER OF SPECIES56Onoclea sensibilisSensitive Fern0.1Panicum virgatumPrairie Switch Grass0.05Parnassia glaucaGrass of parnassus0.05Phytolacca americanaPokeweed0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm WetlandMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKool Grass0.7Scrophularia marilandicaLate Figwort0.05	Hypericum pyramidatum	Great St. Johnswort	5.358
Monarda fistulosaWild Bergamot0.315NUMBER OF SPECIES56Onoclea sensibilisSensitive Fern0.1Panicum virgatumPrairie Switch Grass0.05Parnassia glaucaGrass of parnassus0.05Phytolacca americanaPokeweed0.01PR Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rubeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKool Grass0.7Erophularia marilandicaLate Figwort0.05	Hypoxis hirsuta	Yellow Star Grass	0.05
NUMBER OF SPECIES56Onoclea sensibilisSensitve Fern0.1Panicum virgatumPraire Switch Grass0.05Parnassia glaucaGrass of parnassus0.05Phytolacca americanaPokeweed0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKool Grass0.7Koophularia marilandicaLate Figwort0.05	Liatris pycnostachya	Tall Gayfeather; Prairie Blazing Star	2.2
Onoclea sensibilisSensitive Fern0.1Panicum virgatumPrairie Switch Grass0.05Parnassia glaucaGrass of parnassus0.05Phytolacca americanaPokewed0.05Polemonium reptansJacob's Ladder0.01Pr Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKool Grass0.7Korophularia marilandicaLate Figwort0.05	Monarda fistulosa	Wild Bergamot	0.315
Panicum virgatumPrairie Switch Grass0.05Parnassia glaucaGrass of parnassus0.05Phytolacca americanaPokeweed0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKue Figwort0.7Konphularia marilandicaLat Figwort0.05	NUMBER OF SPECIES		56
Parnassia glaucaGrass of parnassus0.05Phytolacca americanaPokeweed0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKue Figwort0.7Kue PigwortLate Figwort0.05	Onoclea sensibilis	Sensitive Fern	0.1
Phytolacca americanaPokewed0.05Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKuol Grass0.7Kuophularia marilandicaLate Figwort0.55	Panicum virgatum	Prairie Switch Grass	0.05
Polemonium reptansJacob's Ladder0.01PR Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKool Grass0.7Scrophularia marilandicaLate Figwort0.55	Parnassia glauca	Grass of parnassus	0.05
PR Potholes Combie for Sand Farm Wetland143.2Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusKool Grass0.7Scrophularia marilandicaLate Figwort0.05	Phytolacca americana	Pokeweed	0.05
Pycnanthemum virginianumMountain mint (Prairie Hyssop)5.225Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusWool Grass0.7Scrophularia marilandicaLate Figwort0.05	Polemonium reptans	Jacob's Ladder	0.01
Rudbeckia hirtaBlack-eyed Susan0.145Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusWool Grass0.7Scrophularia marilandicaLate Figwort0.05	PR Potholes Combie for Sand Farm Wetland		143.2
Rudbeckia subtomentosaSweet Blackeyed Susan3.8Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusWool Grass0.7Scrophularia marilandicaLate Figwort0.05	Pycnanthemum virginianum	Mountain mint (Prairie Hyssop)	5.225
Rumex orbiculatusGreat Water dock0.1Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusWool Grass0.7Scrophularia marilandicaLate Figwort0.05	Rudbeckia hirta	Black-eyed Susan	0.145
Scirpus atrovirensDark Green Rush0.8Scirpus cyperinusWool Grass0.7Scrophularia marilandicaLate Figwort0.05	Rudbeckia subtomentosa	Sweet Blackeyed Susan	3.8
Scirpus cyperinusWool Grass0.7Scrophularia marilandicaLate Figwort0.05	Rumex orbiculatus	Great Water dock	0.1
Scrophularia marilandica Late Figwort 0.05	Scirpus atrovirens	Dark Green Rush	0.8
	Scirpus cyperinus	Wool Grass	0.7
Silphium perfoliatum Cup-plant 1.7125	Scrophularia marilandica	Late Figwort	0.05
	Silphium perfoliatum	Cup-plant	1.7125

Silphium terebinthaceum	Prairie Dock	0.1575
Solidago patula	Swamp Goldenrod	0.6
Spartina pectinata	Prairie Cord Grass	5.15
Spiraea alba	Meadowsweet	0.9
Stachys palustris homotricha	Woundwort	3.35
Teucrium canadense	American Germander (Wood Sage)	1.1
Verbena hastata	Blue Vervain	1.9975
Verbena urticifolia	Hairy White Vervain	1.2
Vernonia fasciculata	Common Ironweed	0.24
Veronicastrum virginicum	Culver's Root	5.01
Viola sagittata	Arrow-leaved violet	0.135
WET MIX		2.8
Zizia aurea	Golden Alexanders	3

## Map:

