

Monarch Conservation Database Land Use and Activities Table - 08/20/18

Classification (Thogmartin et al. 2017)	Estimated Baseline Milkweed Density (Thogmartin et al., 2017)	Potential/Amended Milkweed Density (Thogmartin et al., 2017)	General Classification	Habitat Management Goal/Activity	Management Sub-activity
22 - Developed Low Intensity (NLCD) (Inside Urban Areas)	1.00	50.00	Developed	Increase Milkweed to Enhance Habitat and Nectar Resources	Conservation Mowing
23 - Developed Med Intensity (NLCD)	0.50	25.00			Early Successional Habitat Development/Management
24 - Developed High Intensity (NLCD)	0.10	10.00			Establish Field Border
26 - Developed Low Intensity (NLCD) (Outside Urban Areas)	19.74	84.50			Herbicide Treatment to Enhance
21 - Developed Open Space (NLCD) Linear	0.00	16.31			Planting
25 - Developed Open Space (NLCD) Core	0.00	3.09			Prescribed Burning
					Other (Please specify in Notes)
					Conservation Mowing
					Early Successional Habitat Development/Management
					Establish Field Border
					Herbicide Treatment to Enhance
					Planting
					Prescribed Burning
					Other (Please specify in Notes)
					Conservation Mowing
					Early Successional Habitat Development/Management
					Establish Field Border
					Herbicide Treatment to Enhance
					Planting
					Prescribed Burning
				Other (Please specify in Notes)	
				Conservation Mowing	
				Early Successional Habitat Development/Management	
				Establish Field Border	
				Herbicide Treatment to Enhance	
				Planting	
				Prescribed Burning	
				Other (Please specify in Notes)	
				Mitigate Negative Impacts of Herbicide Use on Habitat and Nectar Resources	
				Implement EPA Guidance	
				Implement FWS Pollinator Guidance	
				Implement NRCS Integrated Pest Management	
				Implement Other Best Management Practice (Please Specify in Notes)	
				Mitigate Negative Impacts of Insecticide use on Habitat Quality	
				Implement EPA Guidance	
				Implement FWS Pollinator Guidance	
				Implement NRCS Integrated Pest Management	
				Implement Other Best Management Practice (Please Specify in Notes)	
120 - TIGER Secondary Roads	57.15	175.00	Roads	Increase Milkweed to Enhance Habitat and Nectar Resources	Conservation Grazing
110 - TIGER Primary Roads and Ramps	57.15	150.00			Conservation Mowing
140 - TIGER Local Roads	57.15	100.00			Early Successional Habitat Development/Management
174 - TIGER Private Roads	3.09	3.09			Establish Field Border
180 - All TIGER Roads (Inside Urban Areas)	0.00	0.00			Herbicide Treatment to Enhance
					Implement Integrated Vegetation Management
				Planting	
				Prescribed Burning	
				Other (Please specify in Notes)	
					Conservation Grazing
					Conservation Mowing
					Early Successional Habitat Development/Management
					Establish Field Border
					Herbicide Treatment to Enhance
					Implement Integrated Vegetation Management
					Planting
					Prescribed Burning
					Other (Please specify in Notes)
					Conservation Grazing
					Conservation Mowing
				Early Successional Habitat Development/Management	
				Establish Field Border	
				Herbicide Treatment to Enhance	
				Implement Integrated Vegetation Management	
				Planting	
				Prescribed Burning	
				Other (Please specify in Notes)	
				Mitigate Negative Impacts of Mowing on Habitat and Nectar Resources	
				Conservation Mowing	
				Other (Please specify in Notes)	
				Mitigate Negative Impacts of Herbicide Use on Habitat and Nectar Resources	
				Implement EPA Guidance	
				Implement FWS Pollinator Guidance	
				Implement NRCS Integrated Pest Management	
				Implement Other Best Management Practice (Please Specify in Notes)	
31 - Barren (NLCD)	0.00	0.00		Increase Milkweed to Enhance Habitat and Nectar Resources	Early Successional Habitat Development/Management
					Planting

			Barren		Other (Please specify in Notes)	
				Increase Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Early Successional Habitat Development/Management	
					Planting	
					Other (Please specify in Notes)	
			Barren	Increase Milkweed and Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Early Successional Habitat Development/Management	
					Planting	
					Other (Please specify in Notes)	
41 - Deciduous Forest (NLCD)	0.00	0.00	Forest	Increase Milkweed to Enhance Habitat and Nectar Resources	Brush Management	
42 - Evergreen Forest (NLCD)	0.00	0.00			Conservation Grazing	
43 - Mixed Forest (NLCD)	0.00	0.00			Early Successional Habitat Development/Management	
					Establish Field Border	
					Establish Riparian Herbaceous Cover	
					Open Canopy	
					Planting	
					Prescribed Burning	
					Range Planting	
					Other (Please specify in Notes)	
					Increase Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Brush Management
						Conservation Grazing
						Early Successional Habitat Development/Management
						Establish Field Border
						Establish Riparian Herbaceous Cover
			Open Canopy			
			Increase Milkweed and Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Planting		
				Prescribed Burning		
				Range Planting		
				Other (Please specify in Notes)		
				Implement Land Protection to Prevent Loss of Habitat and Nectar Resources	Brush Management	
					Conservation Grazing	
			Early Successional Habitat Development/Management			
			Mitigate Negative Impacts of Insecticide use on Habitat Quality	Establish Field Border		
				Establish Riparian Herbaceous Cover		
				Open Canopy		
				Planting		
				Prescribed Burning		
				Range Planting		
				Other (Please specify in Notes)		
				Land Purchase		
				Protect as Easement		
				Other (Please specify in Notes)		
				Implement EPA Guidance		
				Implement FWS Pollinator Guidance		
				Implement NRCS Integrated Pest Management		
				Implement Other Best Management Practice (Please Specify in Notes)		
76 - Grassland (NLCD)	3.09	40.00	Grassland	Increase Milkweed to Enhance Habitat and Nectar Resources	Brush Management	
77 - Grassland (NLCD) PADUS Protected	3.09	250.00			Conservation Cover	
					Conservation Grazing	
					Conservation Mowing	
					Early Successional Habitat Development/Management	
					Establish Field Border	
					Establish Riparian Herbaceous Cover	
					Forage Harvest Management	
					Herbicide Treatment to Enhance	
					Native Grassland Management	
					Planting	
					Prescribed Burning	
					Range Planting	
					Other (Please specify in Notes)	
					Increase Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Brush Management
			Conservation Cover			
			Conservation Grazing			
			Conservation Mowing			
			Early Successional Habitat Development/Management			
			Establish Field Border			
			Establish Riparian Herbaceous Cover			
			Forage Harvest Management			
			Herbicide Treatment to Enhance			
			Native Grassland Management			
			Planting			
			Prescribed Burning			
			Range Planting			
			Other (Please specify in Notes)			



			Rail Line ROW	Increase Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Brush Management Conservation Grazing Conservation Mowing Early Successional Habitat Development/Management Establish Field Border Herbicide Treatment to Enhance Implement Integrated Vegetation Management Planting Prescribed Burning Other (Please specify in Notes)
				Increase Milkweed and Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Brush Management Conservation Grazing Conservation Mowing Early Successional Habitat Development/Management Establish Field Border Herbicide Treatment to Enhance Implement Integrated Vegetation Management Planting Prescribed Burning Other (Please specify in Notes)
				Mitigate Negative Impacts of Herbicide Use on Habitat and Nectar Resources	Implement EPA Guidance Implement FWS Pollinator Guidance Implement NRCS Integrated Pest Management Implement Other Best Management Practice (Please Specify in Notes)
				Mitigate Negative Impacts of Mowing on Habitat and Nectar Resources	Conservation Mowing Other (Please specify in Notes)
52 - Shrubland (NLCD)	3.09	3.09	Shrubland	Increase Milkweed to Enhance Habitat and Nectar Resources	Brush Management Conservation Cover Conservation Grazing Conservation Mowing Early Successional Habitat Development/Management Establish Field Border Establish Riparian Herbaceous Cover Forage Harvest Management Herbicide Treatment to Enhance Planting Prescribed Burning Range Planting Other (Please specify in Notes)
				Increase Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Brush Management Conservation Cover Conservation Grazing Conservation Mowing Early Successional Habitat Development/Management Establish Field Border Establish Riparian Herbaceous Cover Forage Harvest Management Herbicide Treatment to Enhance Planting Prescribed Burning Range Planting Other (Please specify in Notes)
				Increase Milkweed and Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Brush Management Conservation Cover Conservation Grazing Conservation Mowing Early Successional Habitat Development/Management Establish Field Border Establish Riparian Herbaceous Cover Forage Harvest Management Herbicide Treatment to Enhance Planting Prescribed Burning Range Planting Other (Please specify in Notes)
				Mitigate Negative Impacts of Grazing on Habitat and Nectar Resources	Conservation Grazing Other (Please specify in Notes)
				Mitigate Negative Impacts of Mowing on Habitat and Nectar Resources	Conservation Mowing Other (Please specify in Notes)
				Mitigate Negative Impacts of Improper Fire Regime on Habitat and Nectar Resources	Prescribed Burning Other (Please specify in Notes)
					Land Purchase





			Wetlands	Increase Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Establish Riparian Herbaceous Cover
					Herbicide Treatment to Enhance
					Planting
					Prescribed Burning
					Other (Please specify in Notes)
					Conservation Mowing
				Increase Milkweed and Blooming Nectar Plants to Enhance Habitat and Nectar Resources	Drawdown
					Early Successional Habitat Development/Management
					Enroll in WRE and Implement Qualifying CP
					Establish Riparian Herbaceous Cover
					Herbicide Treatment to Enhance
					Planting
					Prescribed Burning
					Other (Please specify in Notes)
Unspecified					