

Green Meadow Subwatershed is Located in the Early/Middle Upstream Area in the Red River of the North Basin
Refer To TSAC Technical Paper #11: "Red River Basin Flood Damage Reduction Framework"

FLOOD DAMAGE REDUCTION MEASURE	EARLY	MIDDLE	LATE	Eliminate Y/N	If Y, Provide Rationale
1) Reduce Flood Volume	+	++	++		
a) Wetlands	+	+	++		
b) Cropland BMPs	+	++	++		
c) Conversion to Grassland	+	++	++		
d) Conversion to Forest	+	++	++		
e) Other Beneficial Uses of Stored Water	+	-	++		
2) Increase Conveyance Capacity	+	-	--		
a) Channelization	+	-	--		
b) Drainage	+	-	--		
c) Diversion	+	Variable	-	y	Unrealistic operational feasibility and logistics. No reasonable expectation of land acquisition. Fails to address mainstem flow reduction/watershed storage goal.
d) Setting Back existing Levees (to increase conveyance capacity)	+	-	--		
e) Increase Bridge Capacity	+	-	-		
3) Increase temporary Flood Storage	Variable	++	+		
a) Gated Impoundments	+	++	++		
b) Ungated Impoundments	-	+	+		
c) restored or Created Wetlands	-	+	+		
d) Drainage	-	+	++		
e) Culvert Sizing	-	+	+		
f) Setting Back Existing Levees (to increased floodplain storage)	+	++	+		
g) Overtopping Levees	++	+	Variable		
4) Protection/Avoidance	Variable	Variable	Variable		
a) Urban Levees	-	-	-	y	No urban flood damage areas in the Green Meadow subwatershed
b) Farmstead Levees	-	-	-		
c) Agricultural Levees	-	-	-		
d) Evacuation of the Floodplain	0	0	0		
e) Floodproofing	0	0	0		
f) Warning and Emergency Response	0	0	0	y	Unrealistic logistics, lack of proven/existing technology, and cost prohibitive - Green Meadow subwatershed is a remote and rural area with no established flood warning infrastructure (equipment and models).