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Example Nature-based BMPs for Water Quality

Level of Overlap for Mitigating Natural Hazard Effects

Regional infiltration basins						
Neighborhood scale GI/LID practices such as rain gardens, bioretention, and permeable pavement						
Stream restoration including pooling and meandering to enhance infiltration						
Floodplain restoration including floodplain benching						
Stream (riparian) buffers						
Using park green space and ball fields to store and infiltrate						
Daylighting streams and stormwater pipes						
GSI/LID building and zoning codes						
Stormwater-friendly post-construction design						
Protecting and restoring natural wetlands						
Agricultural soil health practices including soil conservation						
Aquifer storage and recovery						
Urban forest/tree canopy and tree preservation						
Regional detention and retention basins						
Native vegetation/ landscaping						
Preserve open space/green space						

Natural Hazards



Flood



Fire



Landslide



Drought



Urban Heat
Island



Airborne Dust
and Particulates

Strong Overlap 

Partial Overlap 

Nature-based BMPs with Ecosystem Services

Example Nature-based BMPs for Water Quality

Level of Overlap with Ecosystem Services

Regional infiltration basins									
Neighborhood scale GI/LID practices such as rain gardens, bioretention, and permeable pavement									
Stream restoration including pooling and meandering to enhance infiltration									
Floodplain restoration including floodplain benching									
Stream (riparian) buffers									
Using park green space and ball fields to store and infiltrate									
Daylighting streams and stormwater pipes									
GSI/LID building and zoning codes									
Stormwater-friendly post-construction design									
Protecting and restoring natural wetlands									
Agricultural soil health practices including soil conservation									
Aquifer storage and recovery									
Urban forest/tree canopy and tree preservation									
Regional detention and retention basins									
Native vegetation/ landscaping									
Preserve open space/green space									

Ecosystem Services

	Floodwater Storage		Steep Slope Stability		Freshwater Provisioning		Sediment and Soil Retention		Ecosystem Resilience		Strong Overlap
	Wildfire Resistance		Cultural and Livability Services		Habitat		Stormwater Infiltration/Aquifer Recharge				Partial Overlap