



A PART OF A COMMUNITY'S FLOOD RISK MANAGEMENT



WHAT IS FLOOD RISK



USACE RISK FRAMEWORK FOR LEVEE SYSTEMS

RISK IS A FUNCTION OF:

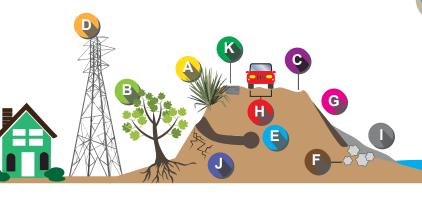
VEGETATION FREE ZONE

Exposure to threats

Performance of risk mitigation

Consequences





Vegetation

Tree Roots

Settling

US Army Corps of Engineers ®

Omaha District

Encroachments

Erosion

Cracks

Animal Burrows

Rutting

Sloughing

Damaged drainage structures







HOW LIKELY IS THE HAZARD (FLOOD, EARTHQUAKE) TO OCCUR?

-PROBABILITY OF FLOOD LOADING

DEVELOPEMENT

HOW WILL THE LEVEE PERFORM DURING THE HAZARD?

-SEEPAGE

-STABILITY

-EROSION

-CLOSURE SYSTEMS

WHAT ARE THE CONSEQUENCES FOR NON-PERFORMANCE?

-LOSS OF LIFE

-PEOPLE AT RISK

-COMMUNITY AWARENESS AND

PREPAREDNESS PLANNING

-ECONOMIC DAMAGES TO

STRUCTURES & CONTENTS

-CRITICAL INFRASTRUCTURE AFFECTED

OVERLAP

2013 Flood Protection Structure Accreditation Task Force

	NFIP REQUIREMENTS AND RELATION TO USACE ACTIVITIES				
	NFIP REQUIREMENTS (44 CFR 65.10)		COMPLIANCE CAN BE DETERMINED THROUGH		
	CFR CRITERIA CATEGORY	CFR CRITERIA SUBCATEGORY	USACE INSPECTION	USACE SCREENING	USACE RISK ASSESSMENT
	Design Criteria	Freeboard (levee height)	NO	RARELY	YES
		Closure devices for all openings	NO	RARELY	YES
		Embankment protection	NO	RARELY	YES
		Embankment & foundation stability	NO	RARELY	YES
		Settlement	NO	RARELY	YES
		Interior drainage	NO	NO	AS APPROPRIATE*
	Operation Plans	Closures	YES	YES	YES
		Interior drainage systems	YES	YES	YES
	Maintenance Plans		YES	YES	YES