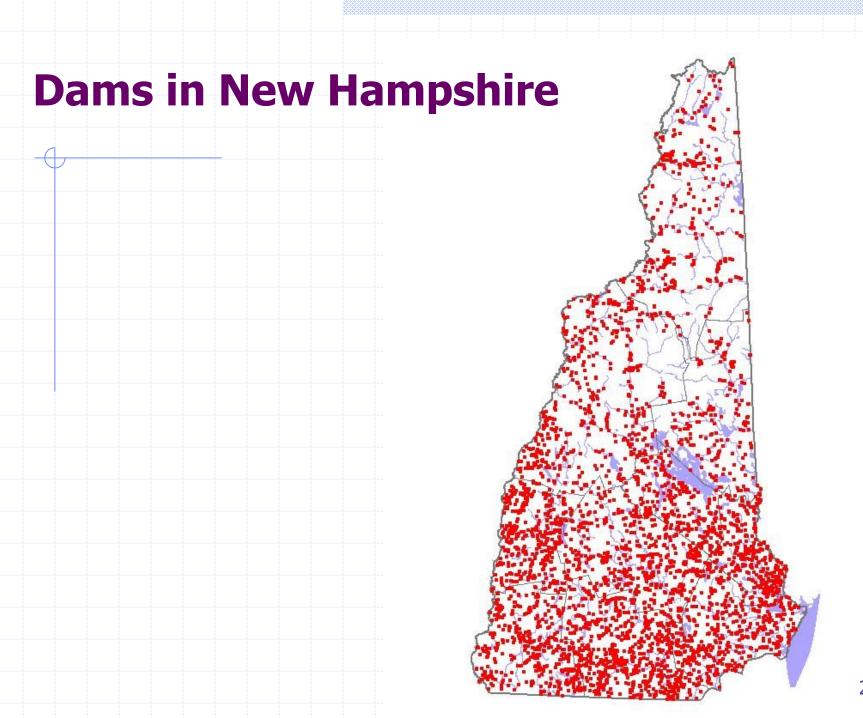
NEW HAMPSHIRE'S DAM PROGRAMS



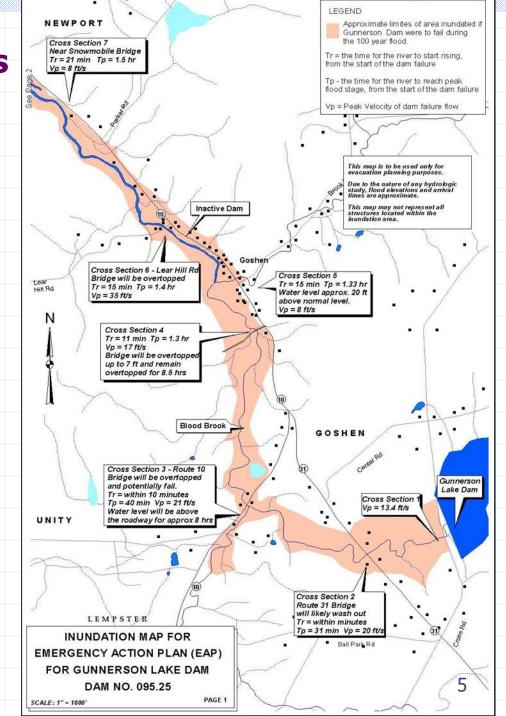
James W. Gallagher, Jr., P.E Chief Engineer Dam Bureau 271-1961 James.Gallagher@des.nh.gov







Emergency Action Plans Inundation Mapping



Population At Risk Downstream of High and Significant Hazard Dams In New Hampshire

More than 26,000 houses

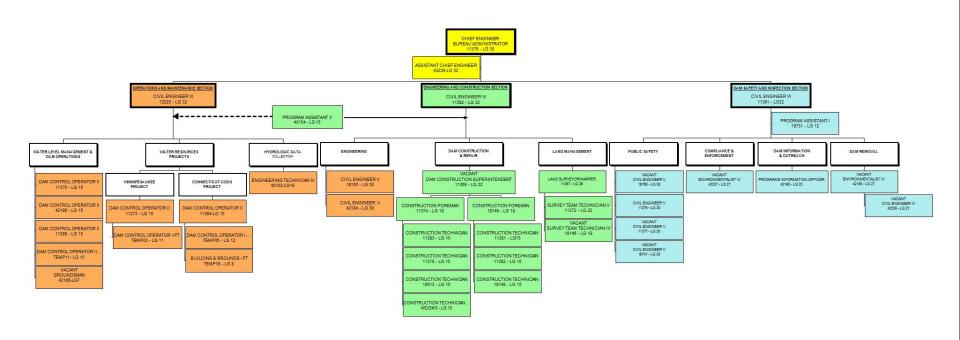
More than 560 State Road Crossings

More than 2,500 Town Road Crossings





DAM BUREAU ORGANIZATIONAL CHART



FEBRUARY 9, 2015



Periodic Inspection Schedule

Hazard Potential Classification	Frequency of Inspection (years)
High	2
Significant	4
Low	6

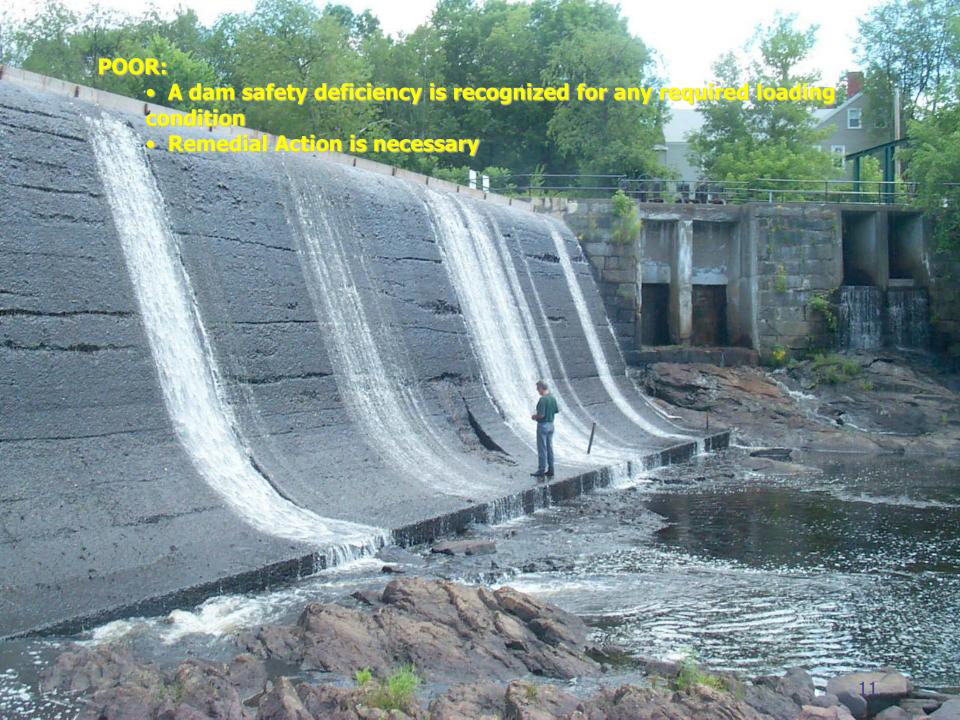


NEW HAMPSHIRE DEPARTMENT OF Environmental











Condition Assessments

Owner	Condition	Hazard Classification			
Туре	Assessment	Low	Significant	High	
State 178	Satisfactory	27	6	20	
	Fair	30	14	13	
	Poor	15	9	28	
	Unsatisfactory	0	0	0	
	Not Rated	13	3	0	
Municipal 219	Satisfactory	34	31	23	
	Fair	30	25	10	
	Poor	21	8	13	
	Unsatisfactory	1	1	0	
	Not Rated	20	3	2	
Private 399	Satisfactory	54	21	15	
	Fair	94	11	8	
	Poor	75	13	8	
	Unsatisfactory	3	0	1	
	Not Rated	70	14	12	
TOTALS		485 158 153		153	

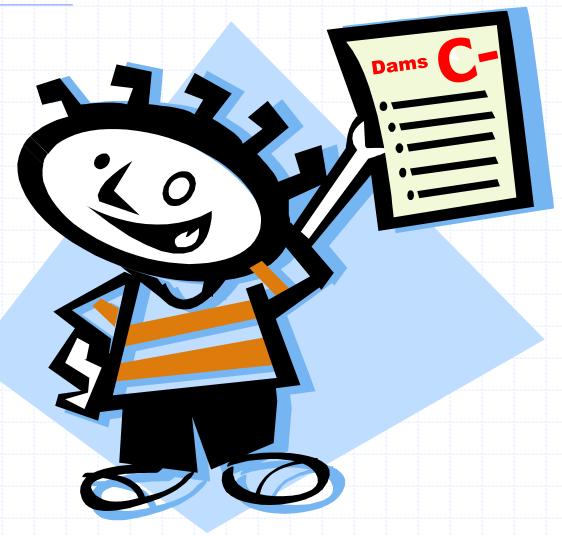


Condition Assessments

Owner	Condition	Hazard Classification			
Туре	Assessment	Low	Significant	High	
State 178	Satisfactory	27	6	20	
	Fair	30	14	13	
	Poor	15	9	(28)	
	Unsatisfactory	Ó	0	0	
	Not Rated	13	3	0	
Municipal 219	Satisfactory	34	31	23	
	Fair	30	25	10	
	Poor	21	8	(13)	
	Unsatisfactory	1	1	0	
	Not Rated	20	3	2	
Private 399	Satisfactory	54	21	15	
	Fair	94	11	8	
	Poor	75	13	8	
	Unsatisfactory	3	0	1	
	Not Rated	70	14	12	
TOTALS		485	158	153	



2017 Report Card







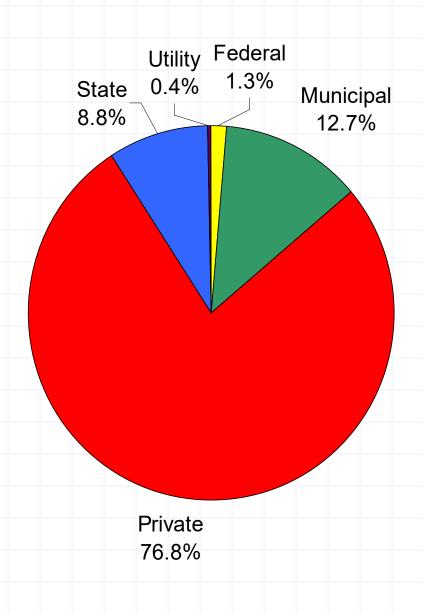
Growing and aging inventory of dams

Increased number of deficiencies

Lack of resources to maintain private and municipally-owned dams

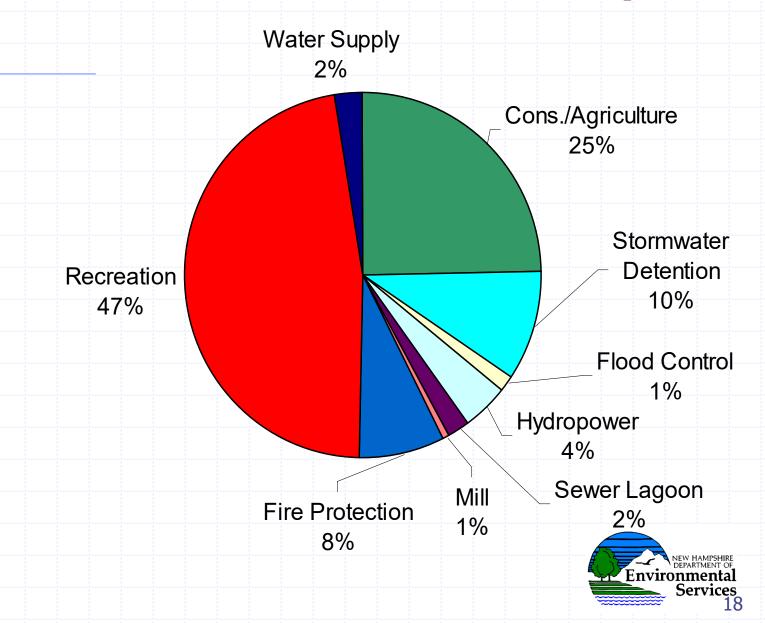


Dam Ownership in New Hampshire





Functions of Dams in New Hampshire



DES River Restoration and Dam Removal Program

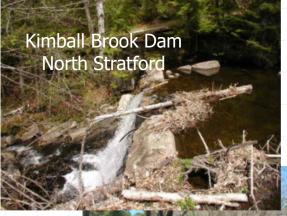




- We assist
 - Dam owners
 - General public
 - Government agencies
 - Consultants
- Information about dam removal as an option
- Help in obtaining funds to offset costs
- Guidance throughout the permitting process

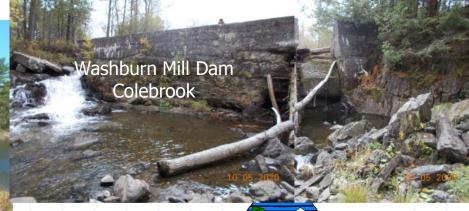






Lower Peverly Dam Newington

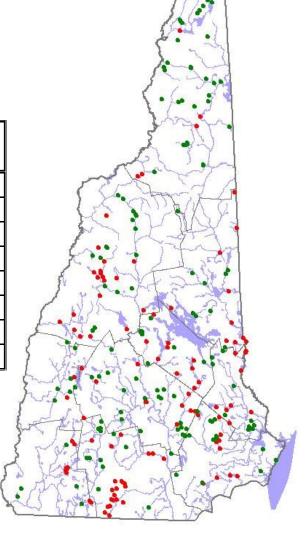






State-Owned Dams

- <u></u>	2			<u> </u>	
AGENCY	Hazard Classification				TOTALS
AGLING	HIGH	SIG.	LOW	NM	TOTALS
DES	40	25	40	6	111
NHFG	5	9	36	47	97
DNCR	2	3	9	17	31
DOT	3	1	4	18	26
UNH	1	1	0	3	5
Glencliff	0	0	0	2	2
Veterans Home	0	0	0	2	2
TOTAL	51	39	89	95	274







Population At Risk Downstream of State Owned High and Significant Hazard Dams

More than 4,000 houses

More than 130 State Road Crossings

More than 800 Town Road Crossings





Dam Maintenance



Dam Maintenance





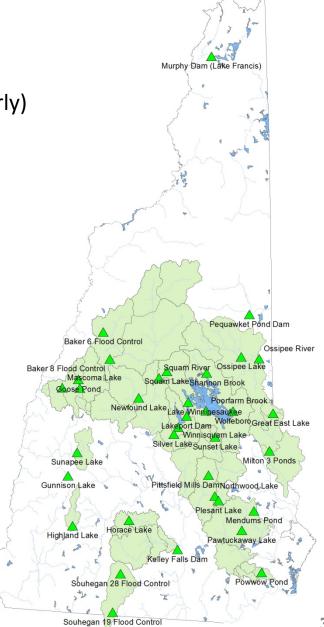




NHDES Hydrologic Data Collection Network

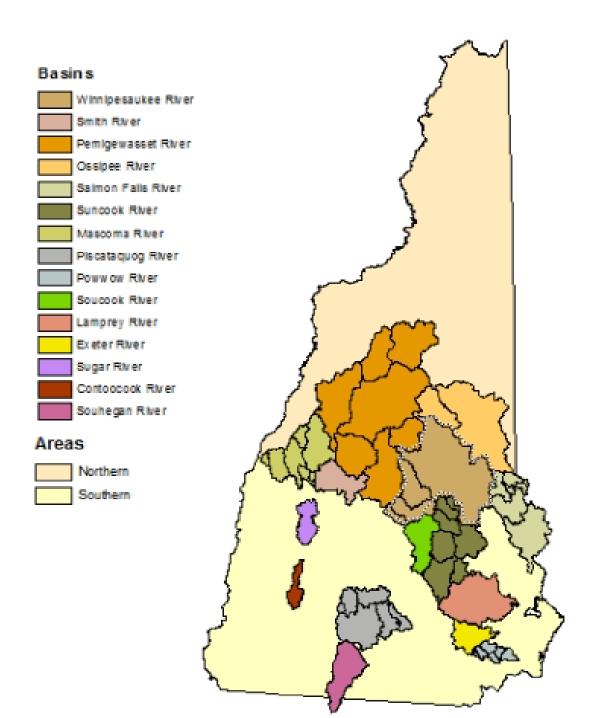
- 35 stations maintained by NHDES
- Satellite telemetry transmits data in real-time (hourly)
- Dataloggers are programmable for user entry of gate/logbay settings and flow calculations















DRGS













XConnect Database

USGS & NWS Imports Daily Streamflow Conditions

Webpage

Public Real-Time Data

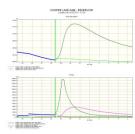








Flood Monitor Plots







Manual Data Entry



Dam Construction Crew





Recently Completed Projects Wendell Marsh Dam, Sunapee





Recently Completed Projects Jones Pond Dam, Middleton



Recently Completed Projects Mendums Pond Dam, Nottingham





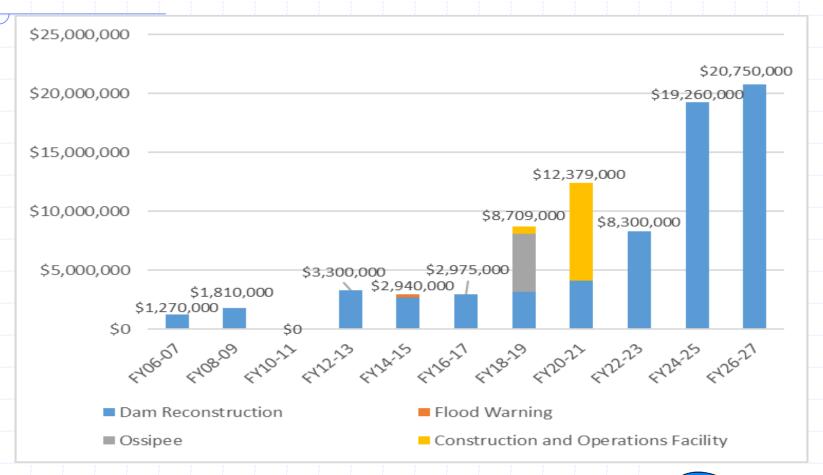
Recently Completed Projects

Chesham Pond Dam, Harrisville





Capital Appropriations

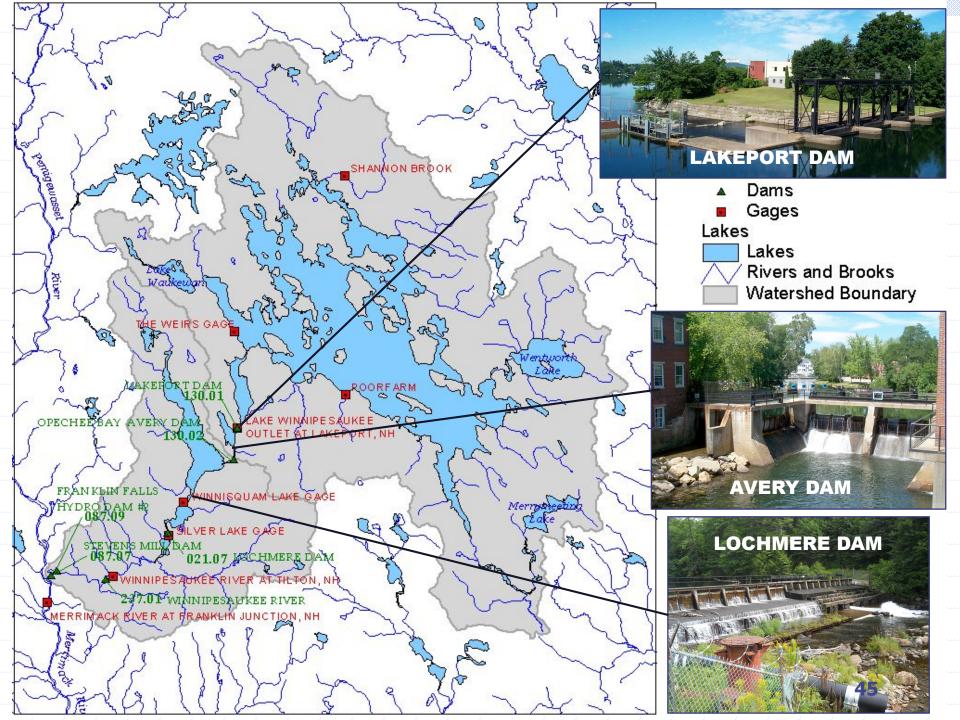


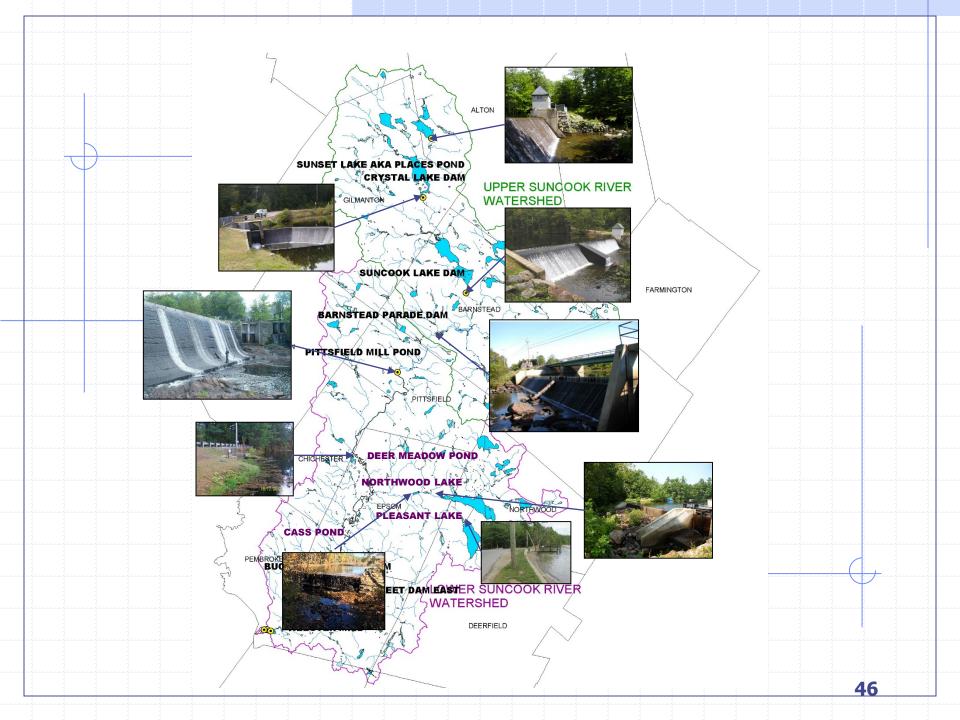


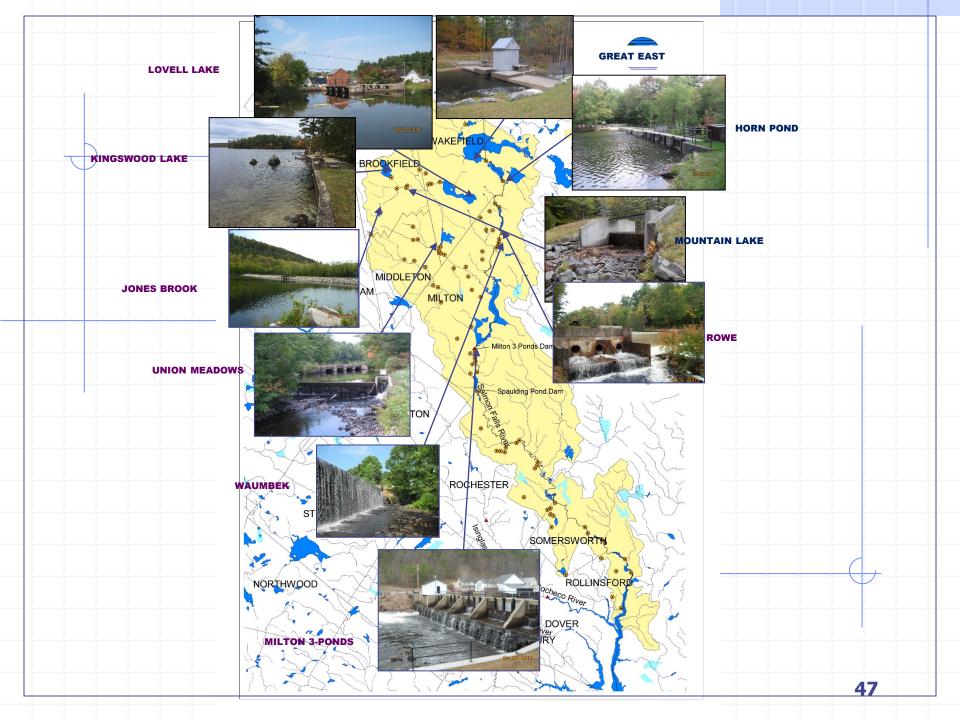


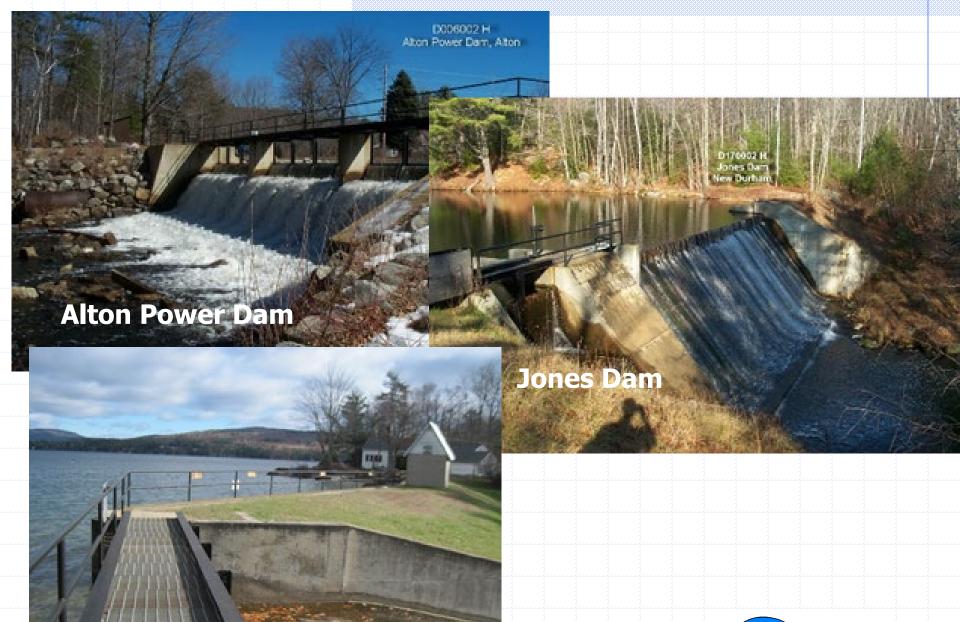






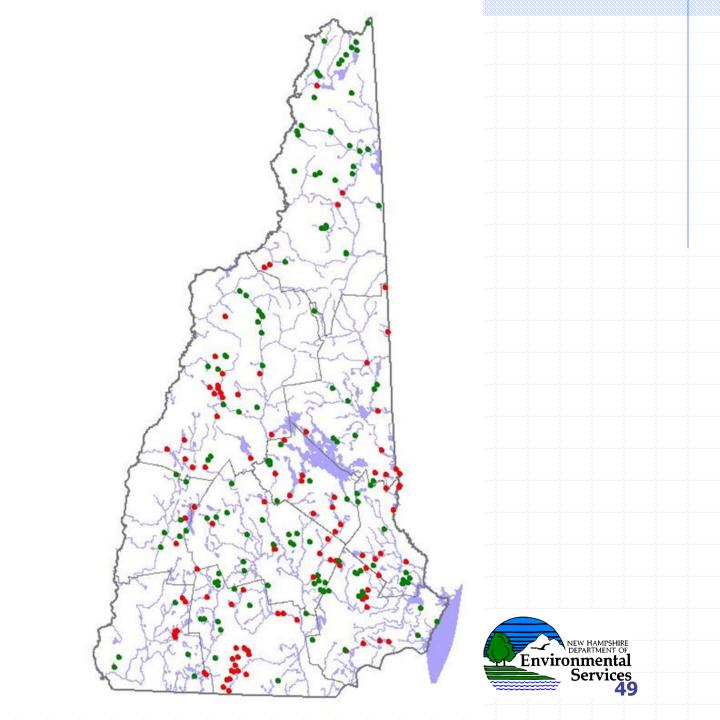




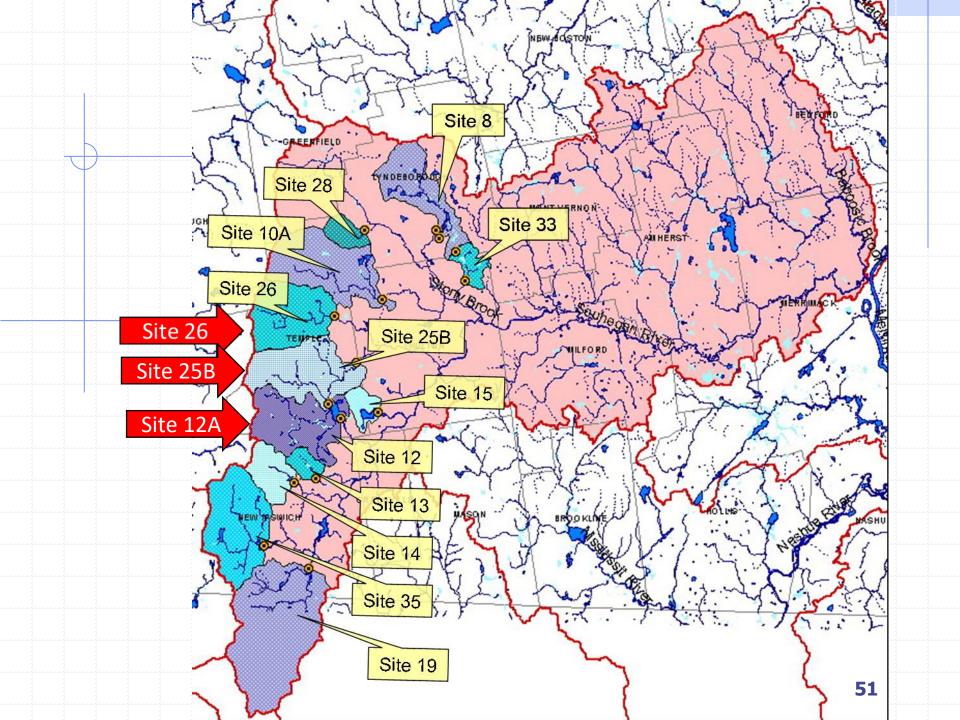


Merrymeeting Dam









Infrastructure Investment and Jobs Act

- FEMA
 - State Assistance Grant: \$80k increased to \$400K
 - HHPD Grant: \$350k increased to >\$2 million
- NOAA
 - \$400 million for dam removal
- NFWS
 - \$200 million for dam removal
- NRCS
 - \$118 million for Watershed Rehabilitation Projects



