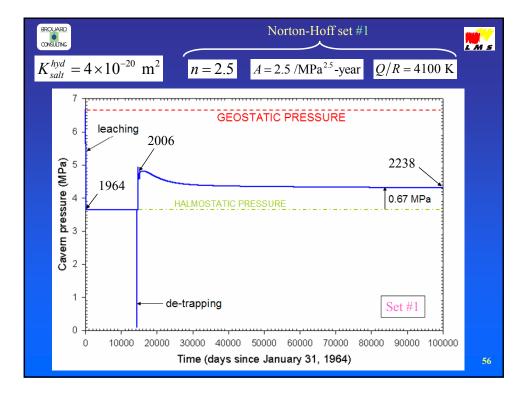
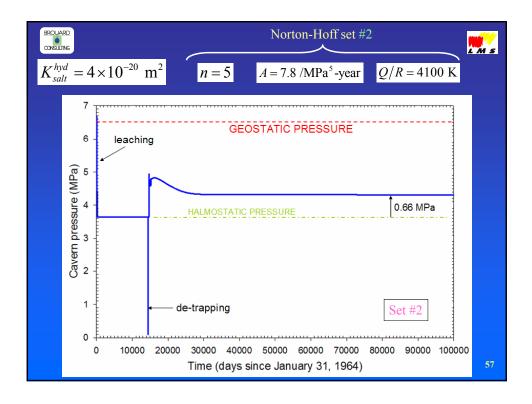
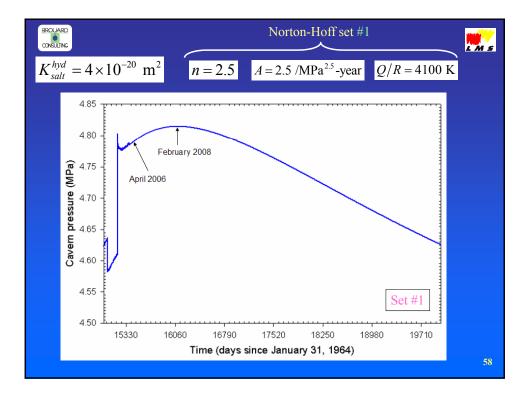
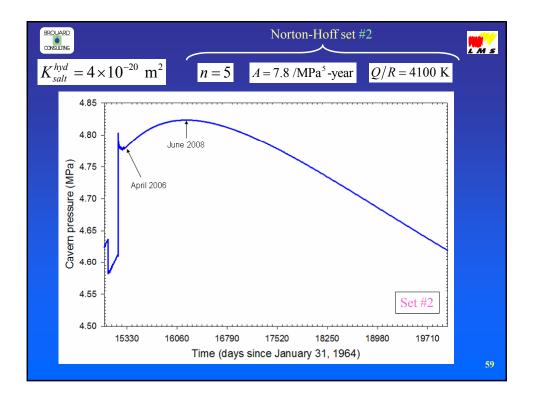


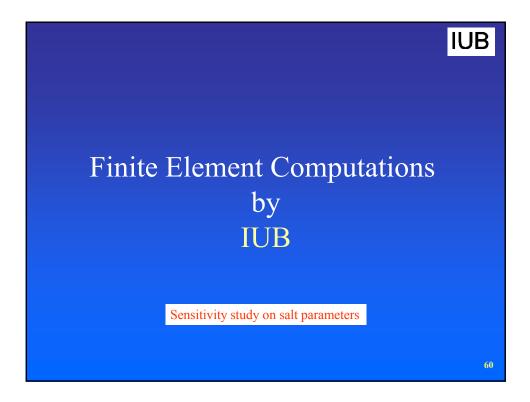
MAIN FITTING RESULTS							
Salt intrinsic per	meability	$K \approx 4-5$	×10 <sup>-2</sup>	$^{0}$ m <sup>2</sup>			
Salt stationnary creep: $\dot{\varepsilon} = A \exp\left(-\frac{Q}{RT}\right) \sigma^n$ (Norton-Hoff law)							
		A (/MPa <sup>-n</sup> -year)	п	<i>Q</i> / <i>R</i> (K)			
Example of	Set #1	2.5	2.5	4100			
2 good sets of parameters:	Set #2	7.8	5	4100			
					55		

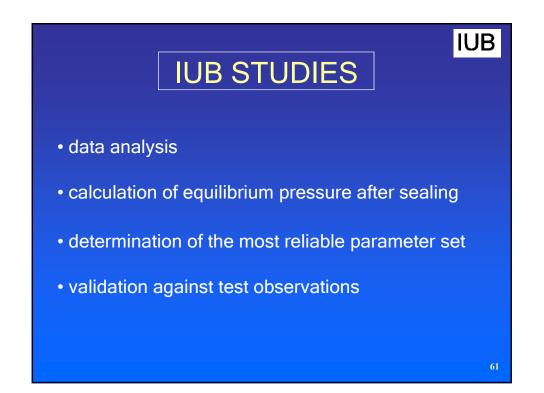


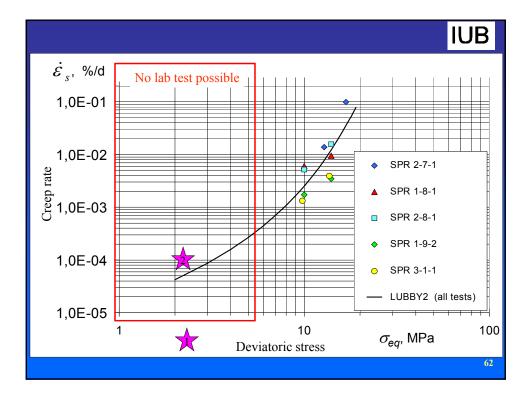


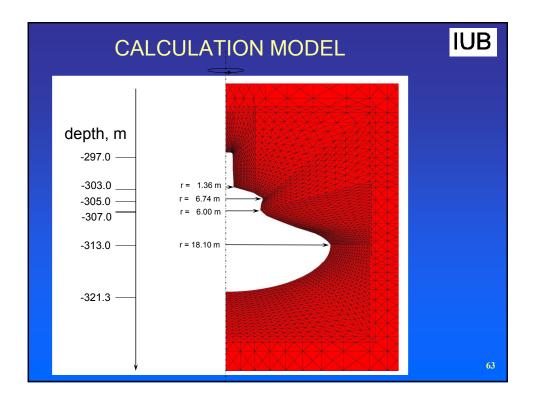




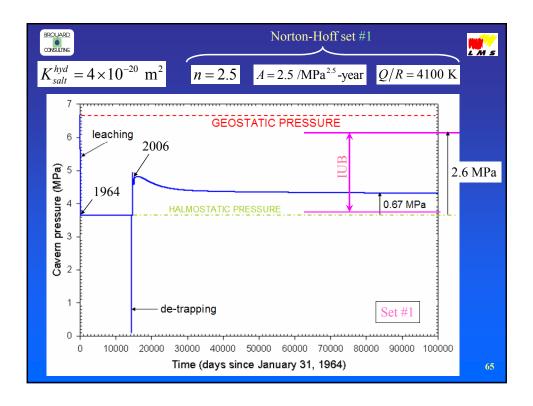


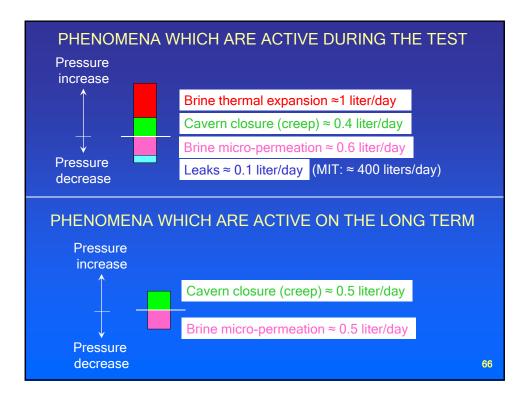






Results – Long Term Pressure					
Assumed Model	Long Term Pressure Increase (MPa)				
reference	1.3				
higher creep ability	2.6				
lower creep ability	0.2				
higher permeability	0.9				
lower permeability	2.6				
hydrostatic far field $p_0$	0.9				
WIPP site far field $p_0$	1.7	64			





## CONCLUSIONS

- ✓ A 2-year long abandonment test on a small and shallow cavern has been performed at Carresse, France.
- ✓ Parameters back-calculation, a sensitivity study, and long-term simulations have been performed.
- ✓ The existence of an equilibrium pressure far below geostatic pressure has been confirmed.
- ✓ It has been proven that this cavern can be safely sealed.
- ✓ Final report is available for members on SMRI Website.

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