## **Hubbard Brook Experimental Forest, NH**



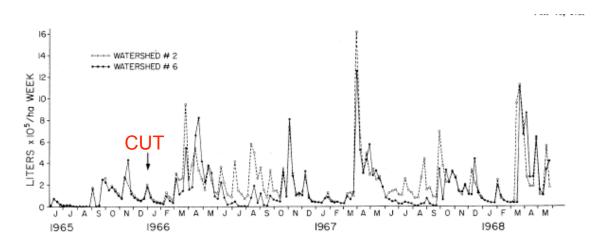
Herbert Bormann Gene Likens Robert Pierce

(and others)



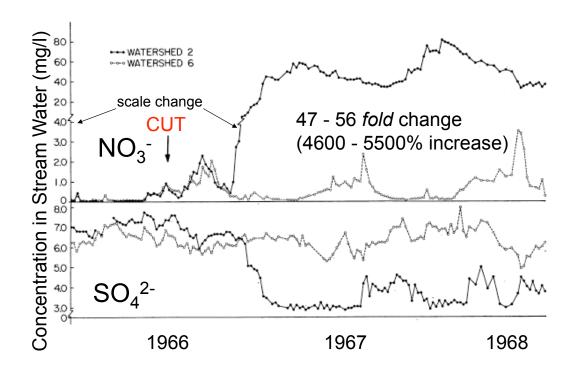
Why would ecologists clear-cut a forest?

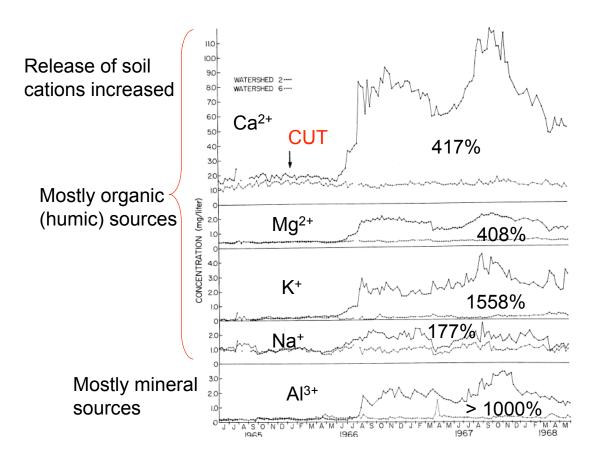
Watershed #2 was clearcut in the winter of 1965-66 Herbicide applied in June 1966 to keep regrowth down

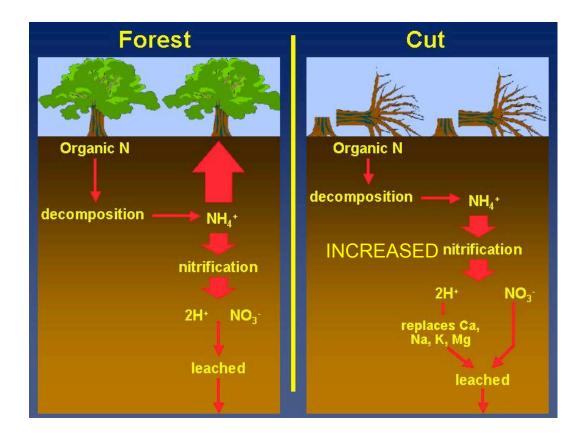


Does clearcutting change hydrology? pH dropped slightly and water temperature increased a little

## **Hubbard Brook Nutrient Cycling**

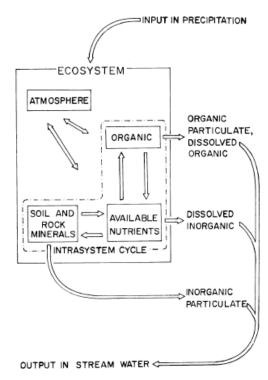


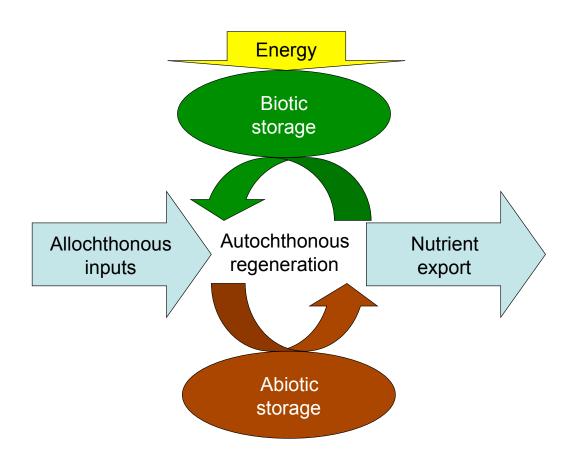


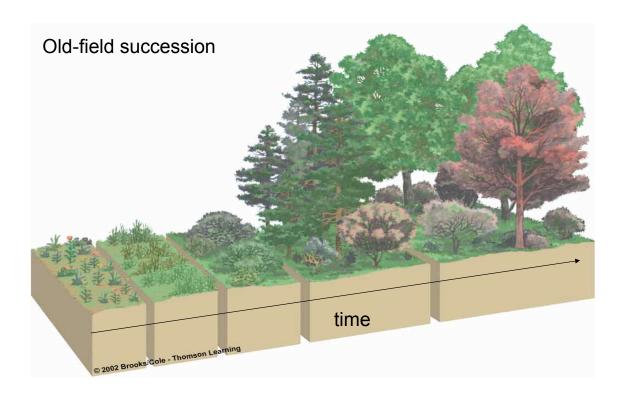


Nutrient retention in the system was impaired

What are the main organisms and processes in the intrasystem cycle?

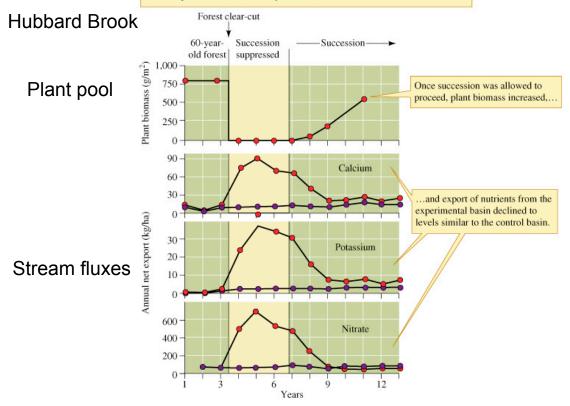






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The Hubbard Brook deforestation experiment showed that succession can reduce losses of plant nutrients caused by disturbance.



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