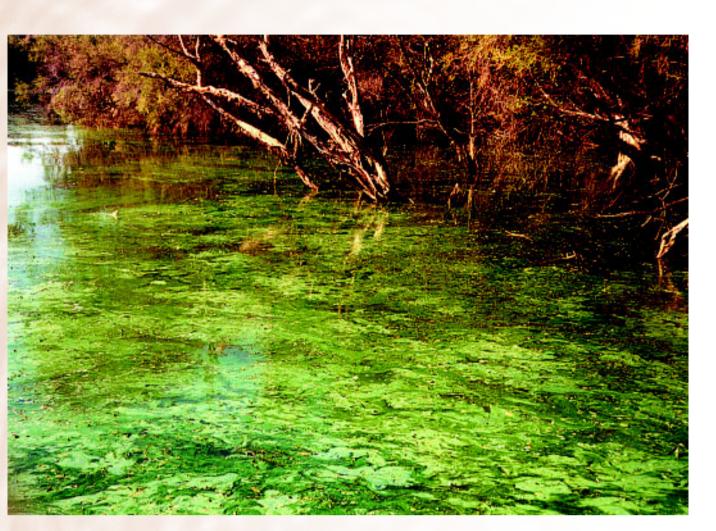


Produced by Water and Rivers Commission for the Swan Hydrogeological Resource Base and Catchment Interpretation Project, June 2000

Problems



Algal blooms in Swan River

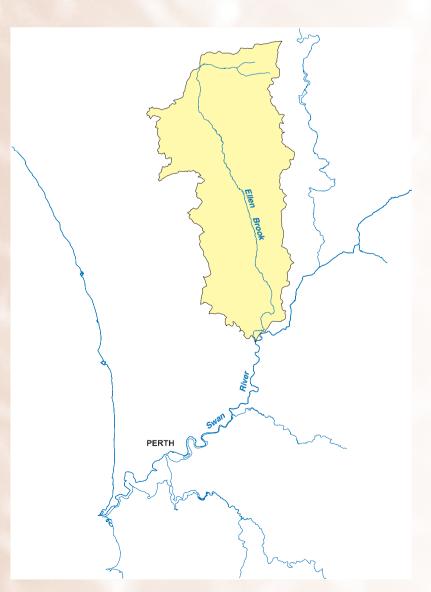


Fish deaths in Swan River

Causes

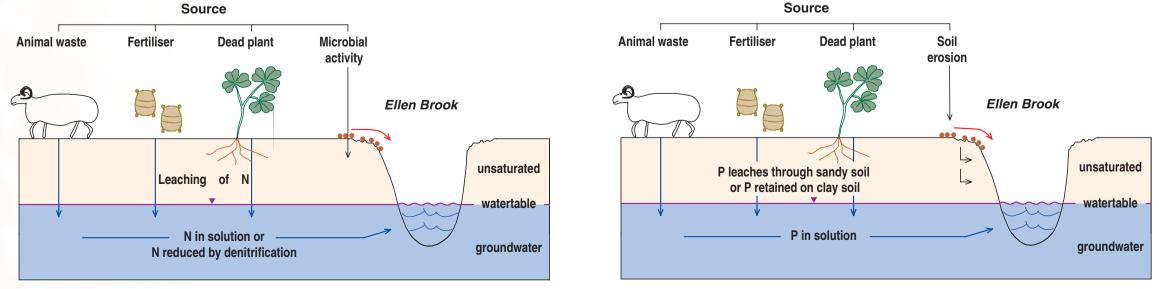
- Elevated concentration of nitrogen and phosphorus in waterways
- Ellen Brook is a major contributor of nitrogen and phosphorus into Swan River

Nitrogen in Ellen Brook	N (mg/L)	Category
	< 1	Low
	≥ 1 < 2	Moderate
	≥ 2 < 3	High
	≥ 3 < 4	Very Hig
	≥4	Extreme
Phosphorus in Ellen Brook	P (mg/L)	Category
	< 0.1	Low
	≥ 0.1 < 0.2	Moderate
	$\geq 0.2 < 0.3$	High
	$\geq 0.3 < 0.5$	Very Hig
	≥ 0.5	Extreme



Ellen Brook catchment

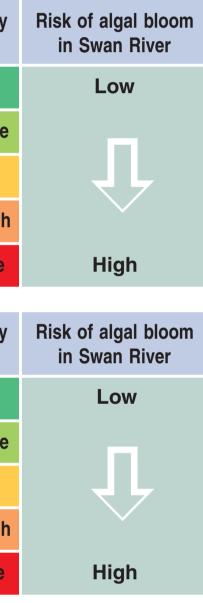
Agriculture is a major source of nitrogen and phosphorus



Nitrogen pathways

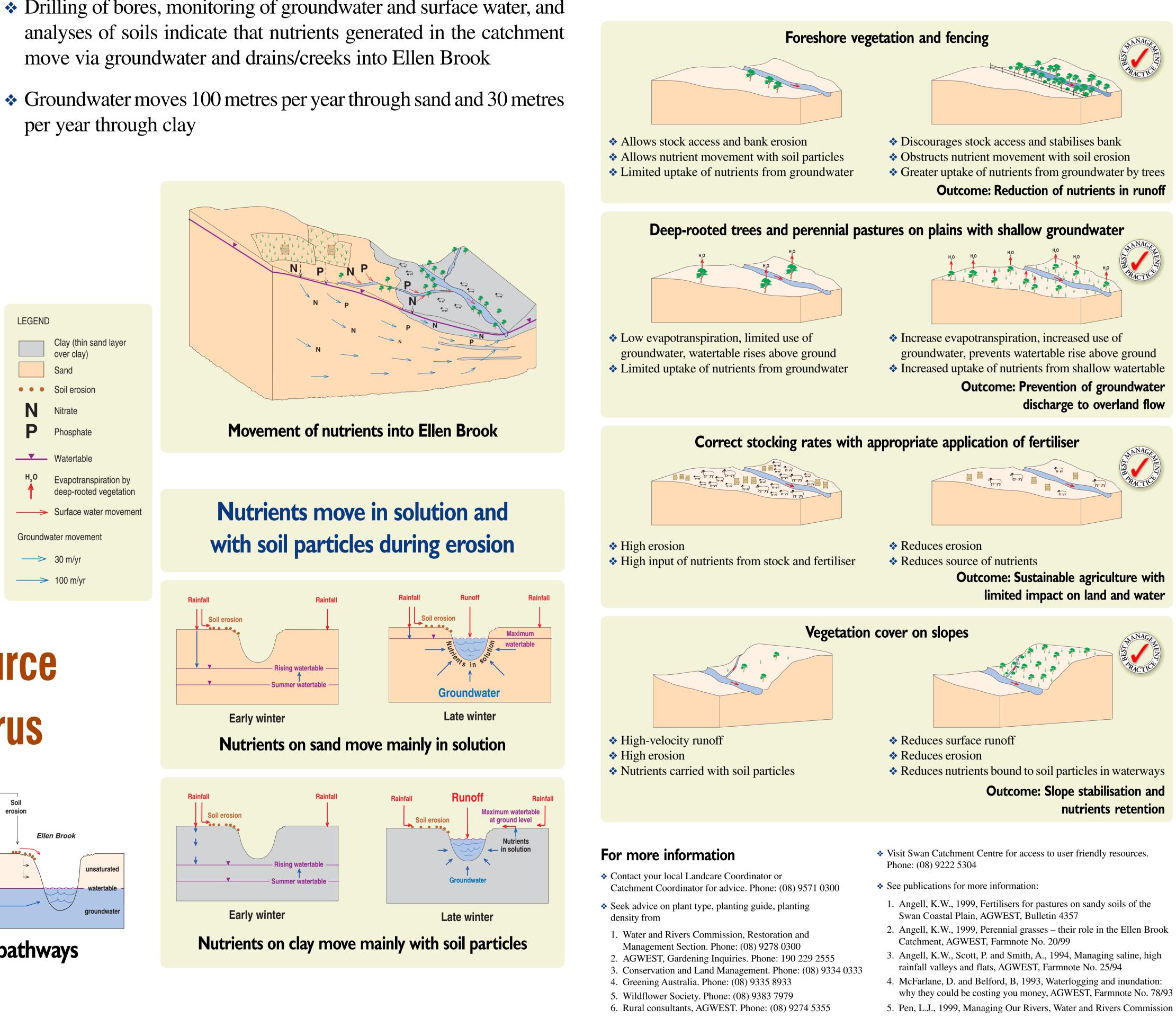
June 2000 File name: NutrientPoster.p65

Managing nutrient movement into Ellen Brook



Investigation

- Drilling of bores, monitoring of groundwater and surface water, and move via groundwater and drains/creeks into Ellen Brook
- per year through clay



Phosphorus pathways



COMMISSION

What can we do? **Best Management Practice**