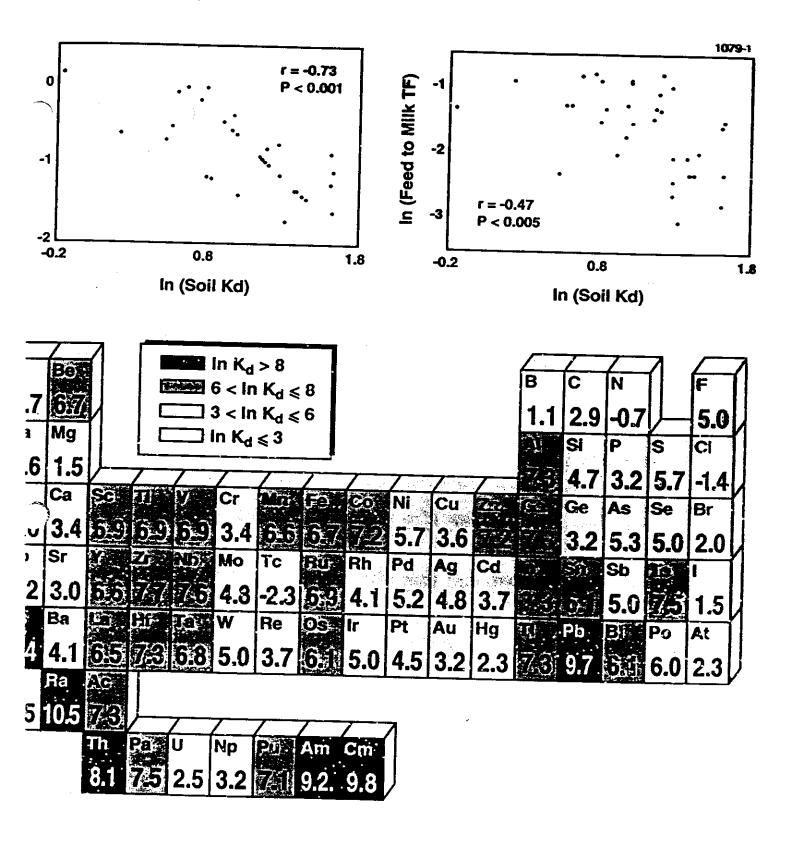
Lakes and Rivers

Flushing rate

Sedimentation

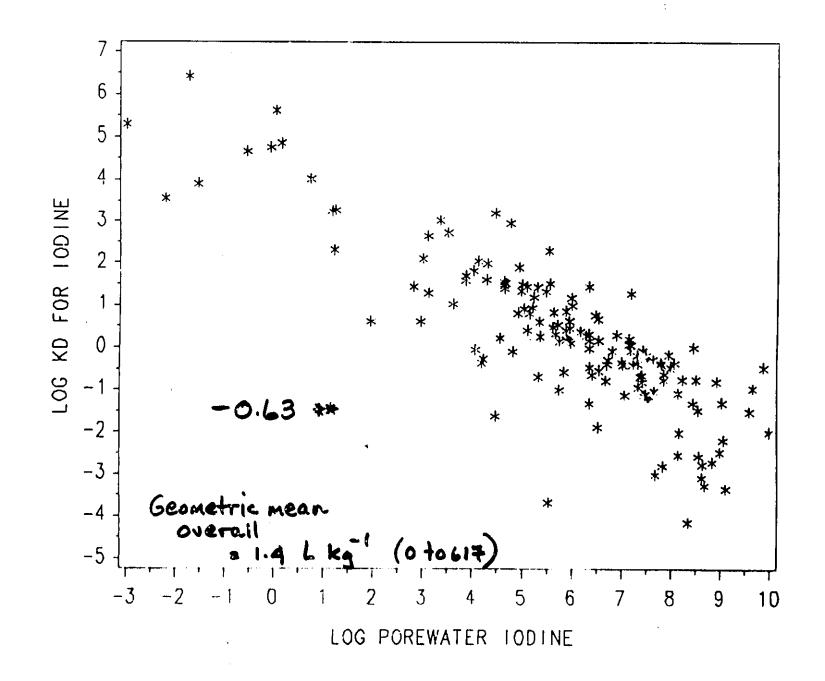
Degassing

Bioaccumulation



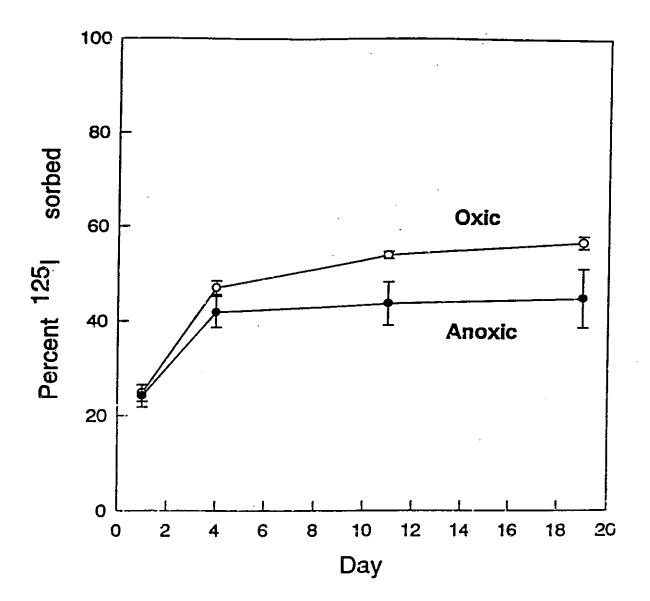
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LOG KD VERSUS LOG POREWATER-ALL DPTHS/DIST



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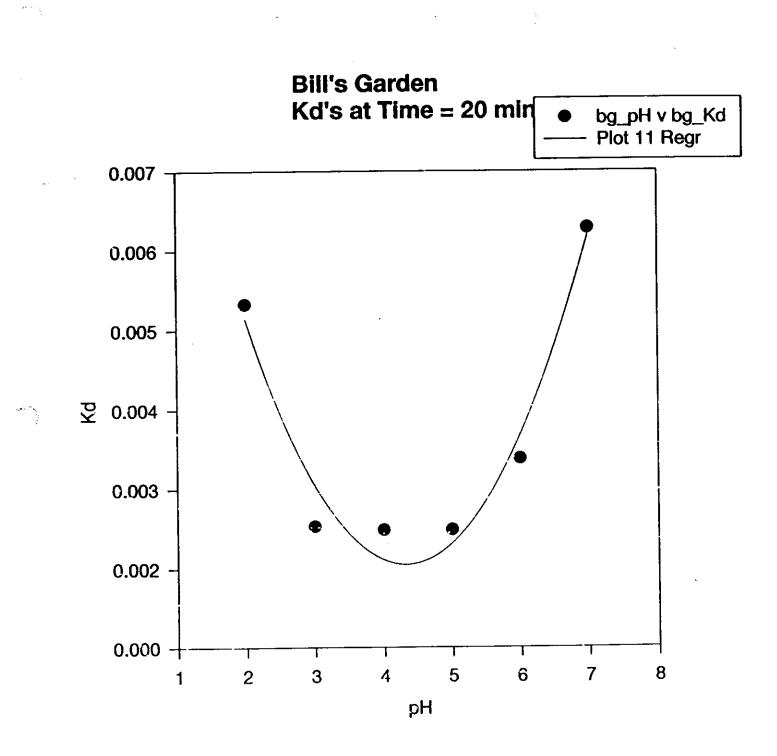
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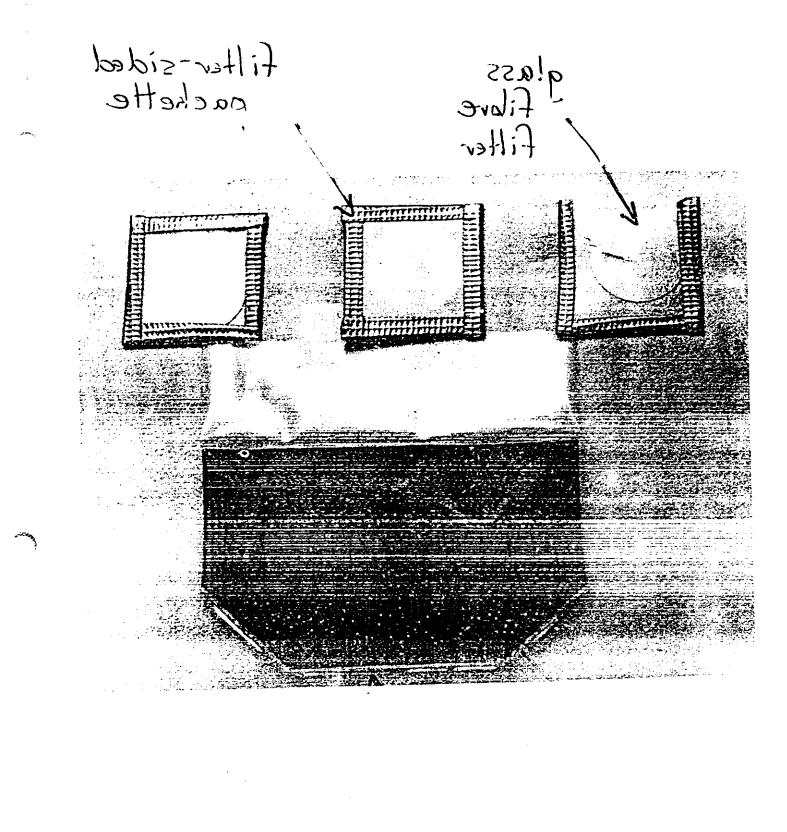


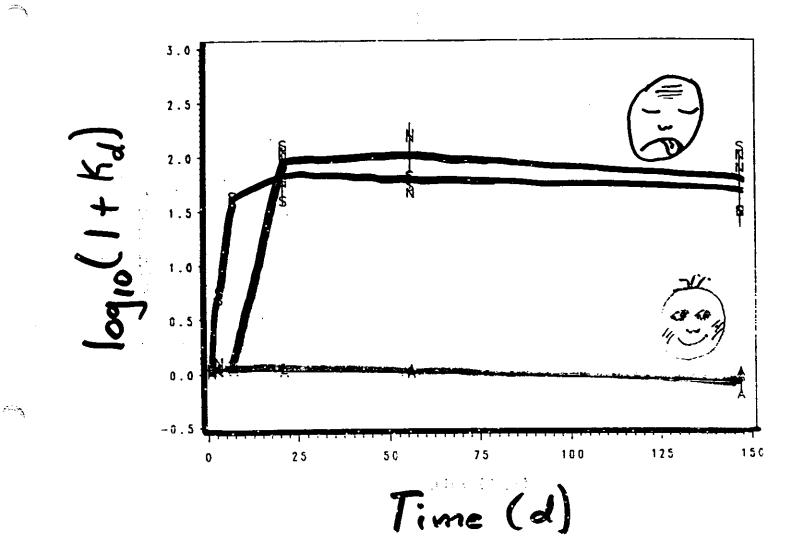
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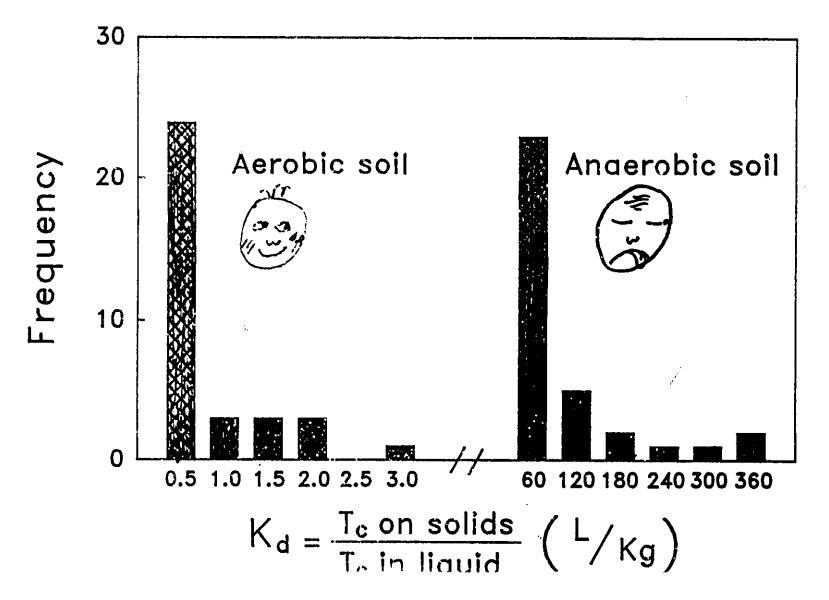






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Frequency Distribution of K_d for Technetium (T_c) among 34 soils, aerobic and anaerobic

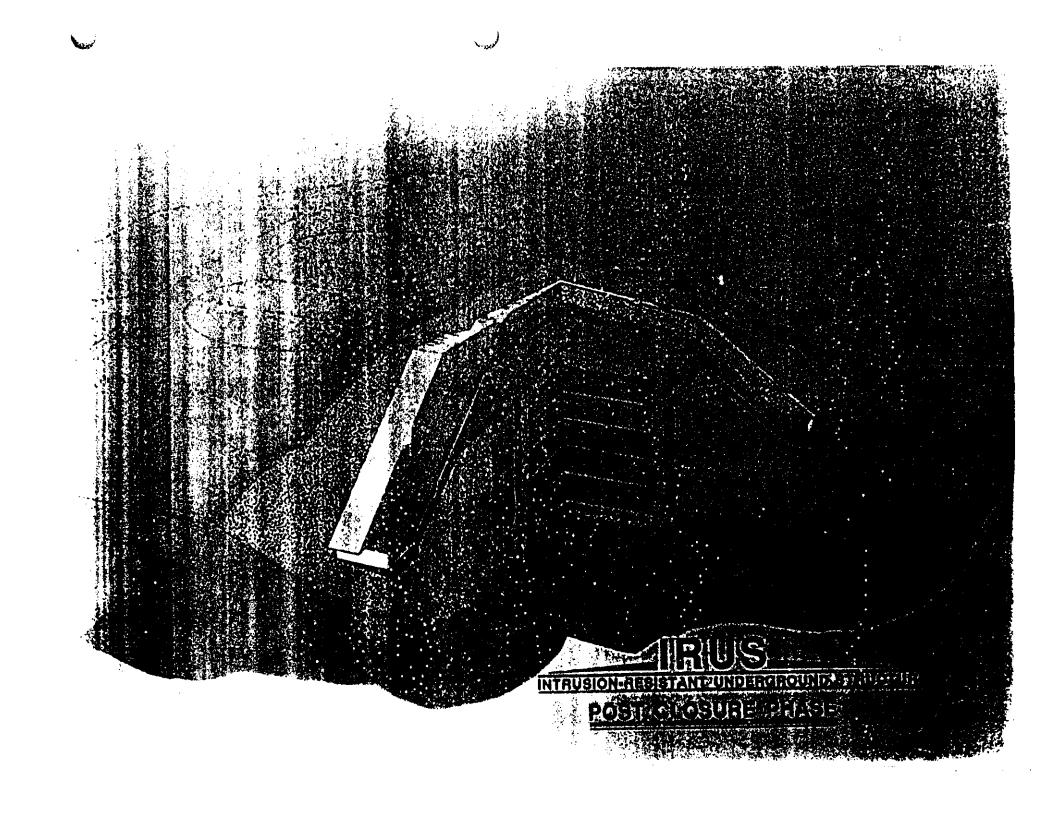


erage K_d for Tc Among the Soils Used in Experiment B, Results for Each Soil Based on Triplicate Measurements

Soil type	Aer	obic, aK_d (i)	Anaerobic, nKd	
	GM	$Mean \pm SD$ of log ₁₀ ($I + K_d$)	GM	$Mean \pm SD$ of $log_{10} (1 + K_d)$
Mineral soils Organic soils	-0·14 NS 0·50**	-0.068 ± 0.064 0.18 ± 0.24	18** 68***	1.26 ± 0.67 1.84 ± 0.53

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obability levels: NS > 0.05, ** < 0.01, *** < 0.001.



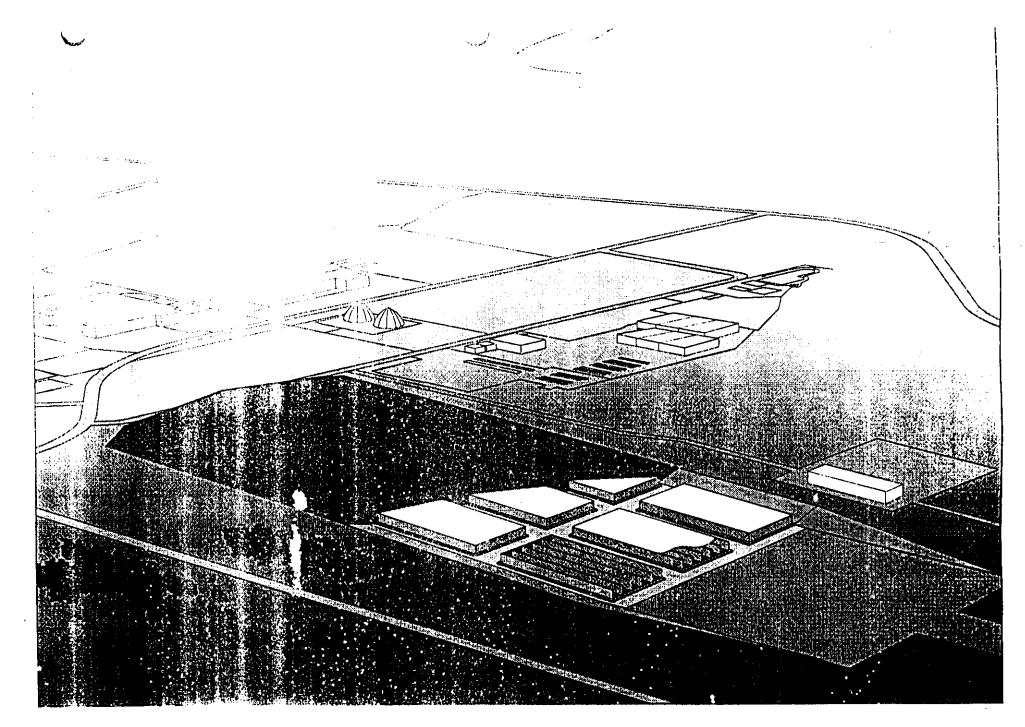
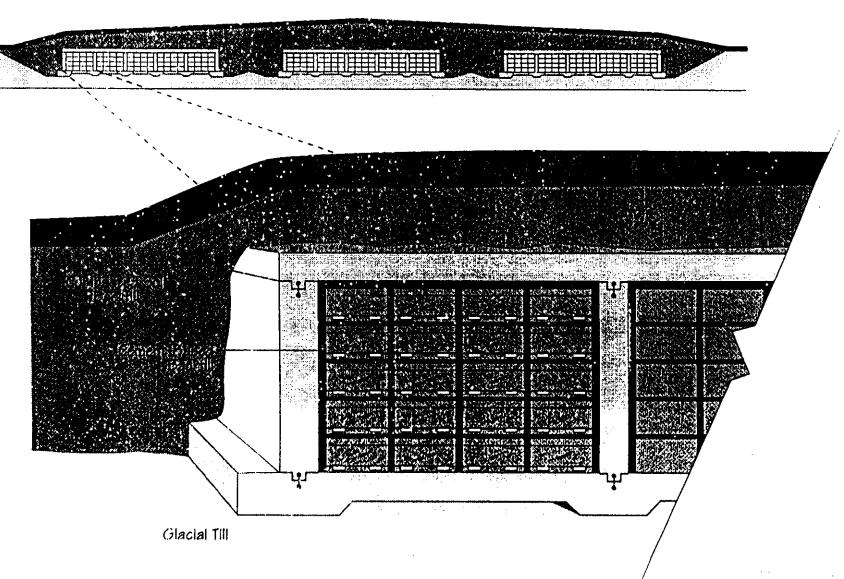


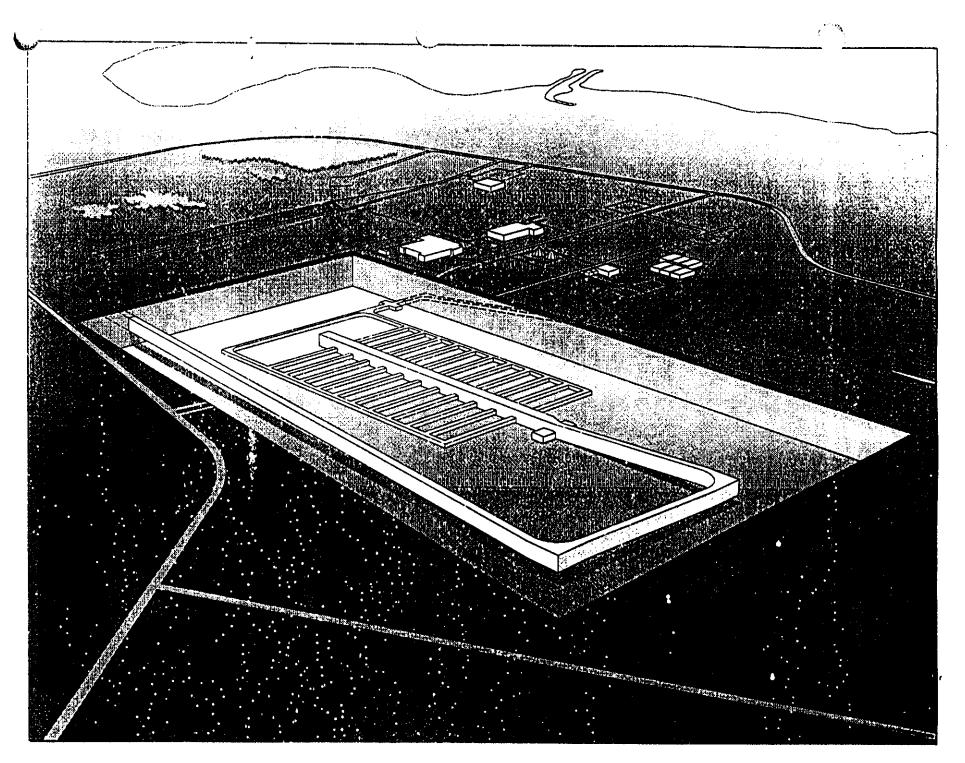
FIGURE 10 Near Surface Trench Disposal Concept



Disposal Ironch Dotail

FIGURE 15 Cross Sectional View of Concrete Trench Disposal Facility

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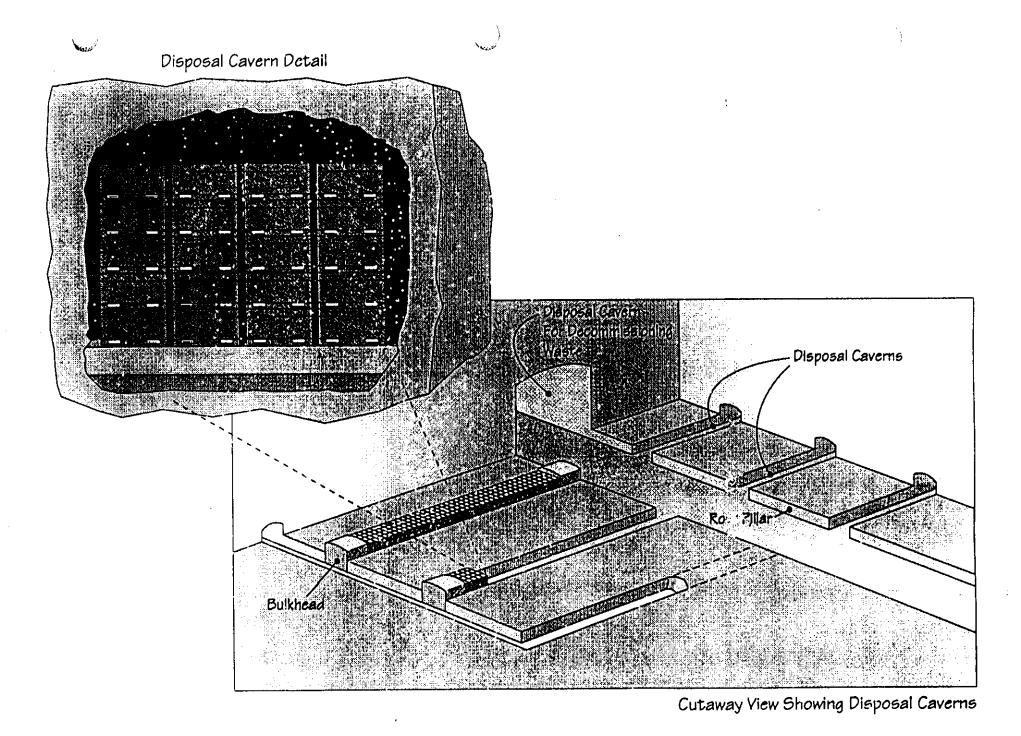


FIGURE 16 Gutaway View of Shallow Rock Cavern Disposal Facility

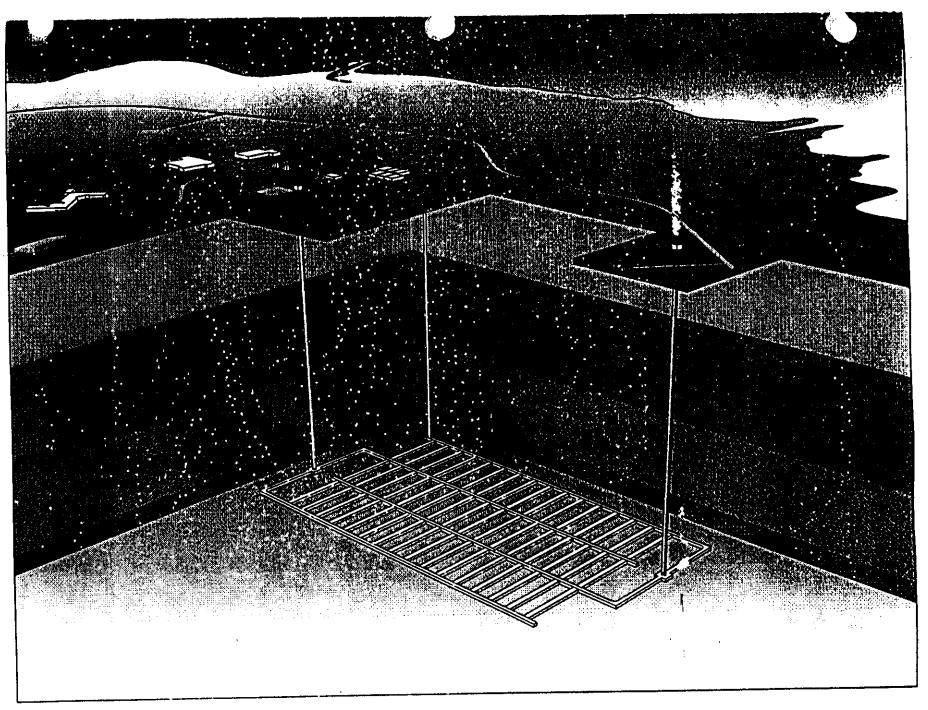
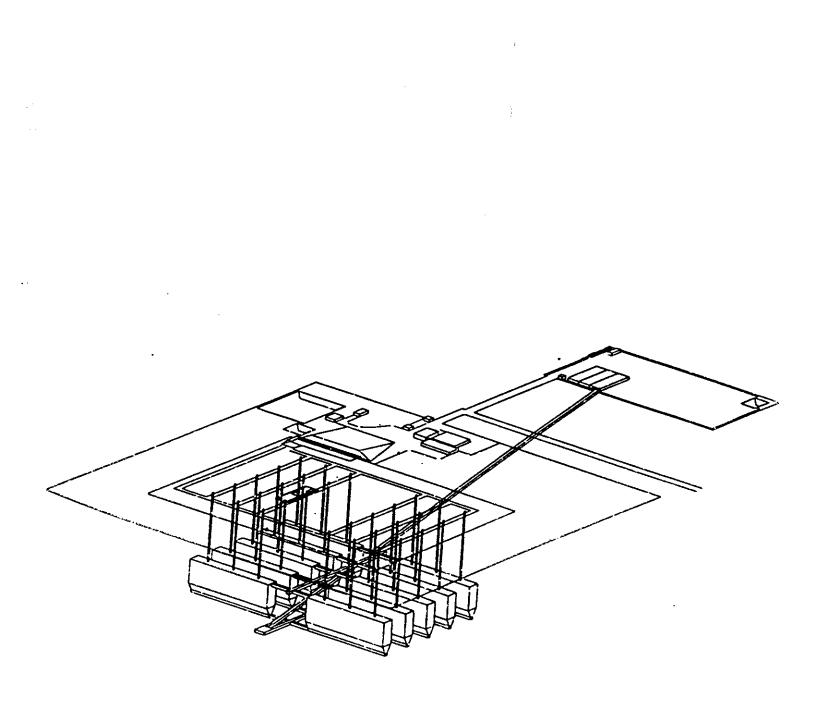
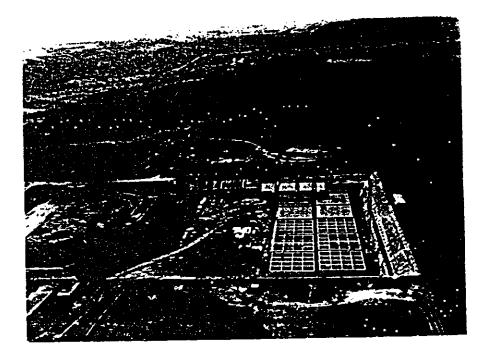
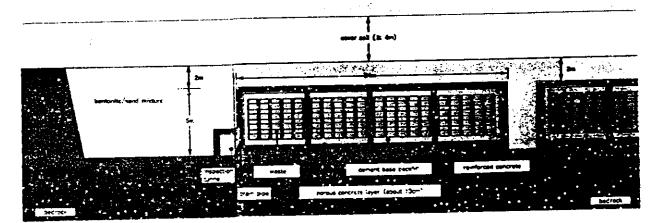


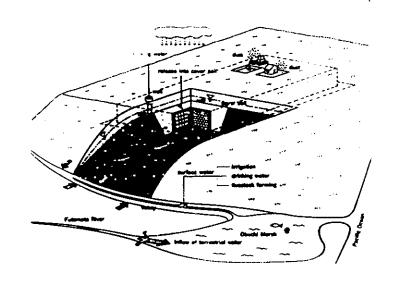
FIGURE 12 Deep Rock Cavern Disposal Concept

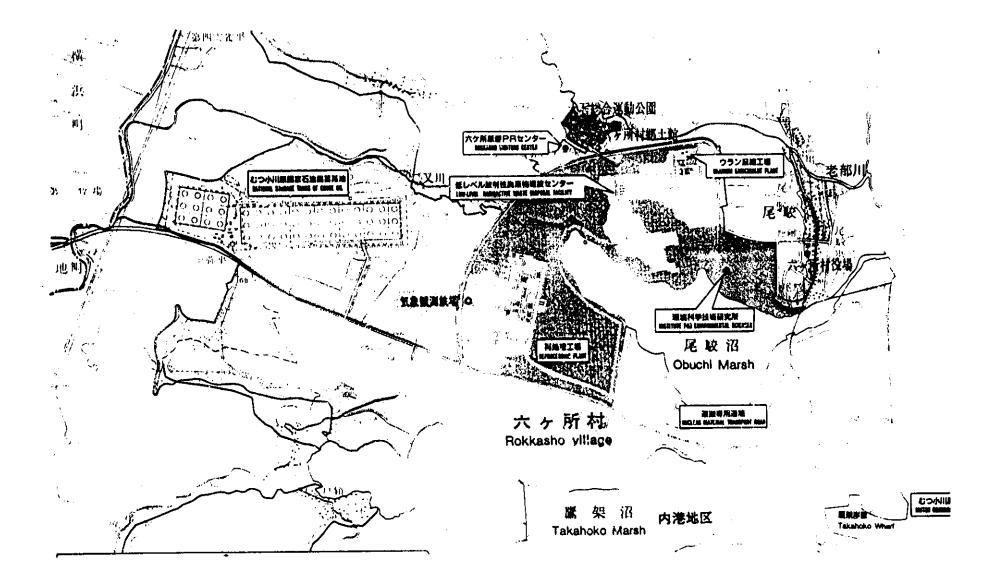




A-A Cross Section View of Disposal Facility



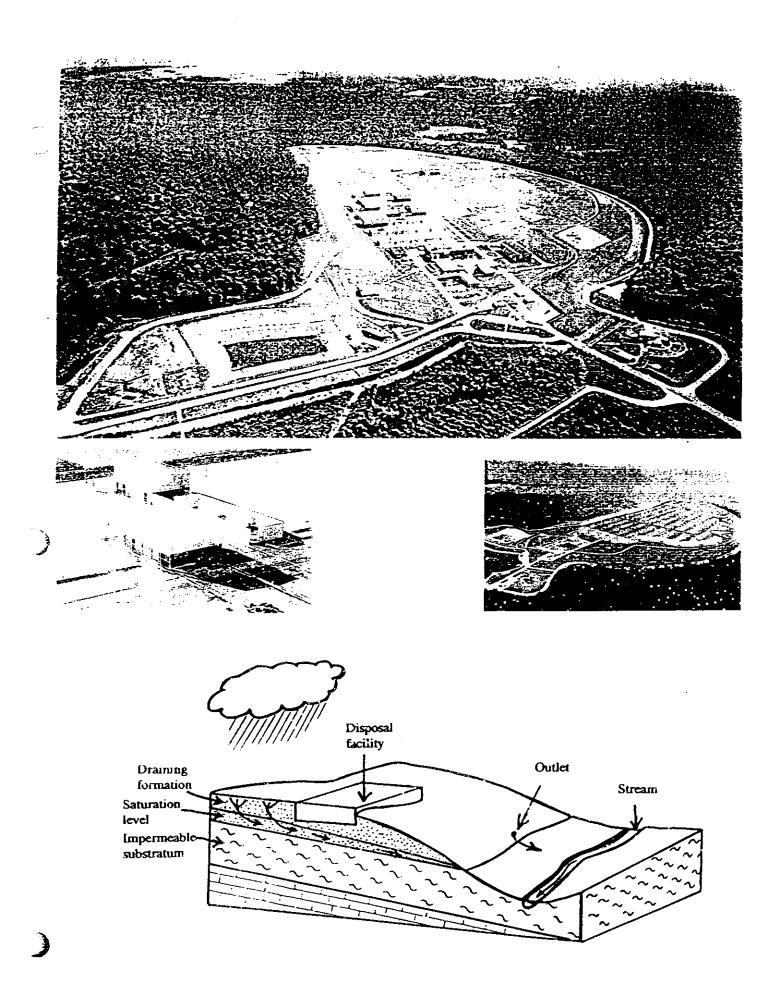


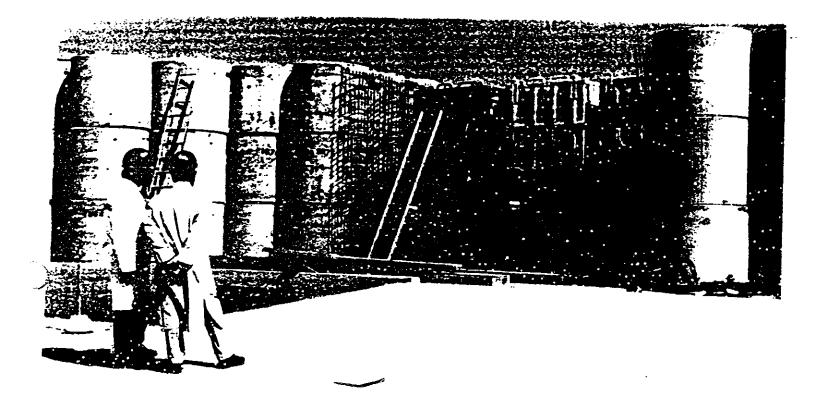


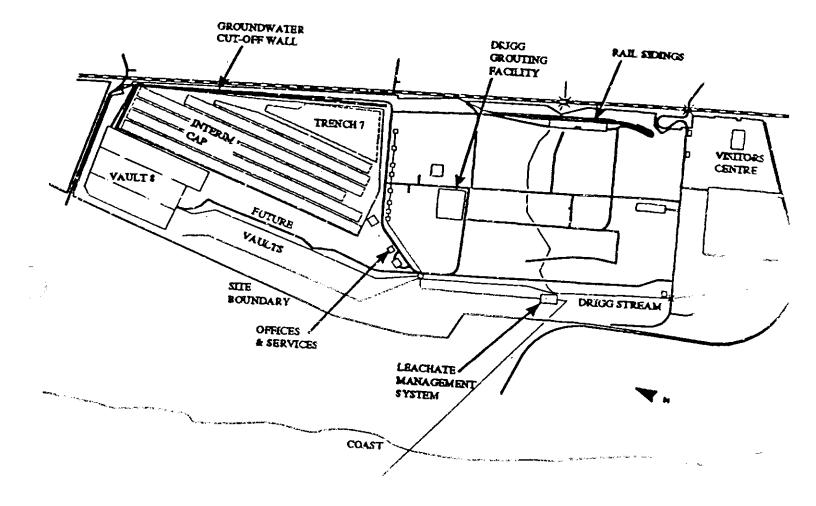
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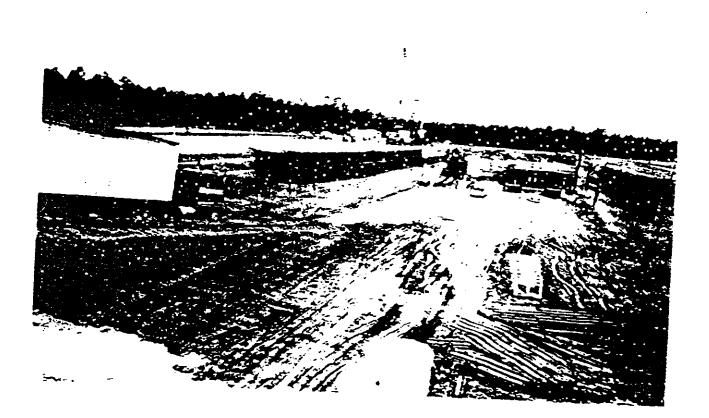




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1. The disposal site shall be capable of being characterized, modeled, analyzed and monitored.

2. Within the region or state where the facility is to be located, a disposal site should be selected so that projected population growth and future developments are not likely to affect the ability of the disposal facility to meet the performance objectives

3. Areas must be avoided having known natural resources which, if exploited, would result in failure to meet the performance objectives.

4. The disposal site must be generally well-drained and free of areas of flooding or frequent ponding. Waste disposal shat not take place in a 100-year floodplain, coastal high-hazard area or wetland....

5. Upstream drainage must be minimized to decrease the amount of runoff which could crode or inundate waste disposal units.

6. The disposal site must provide sufficient depth to the water table that ground water intrusion, perennial or otherwise. into the waste will not occur. The Commission will consider an

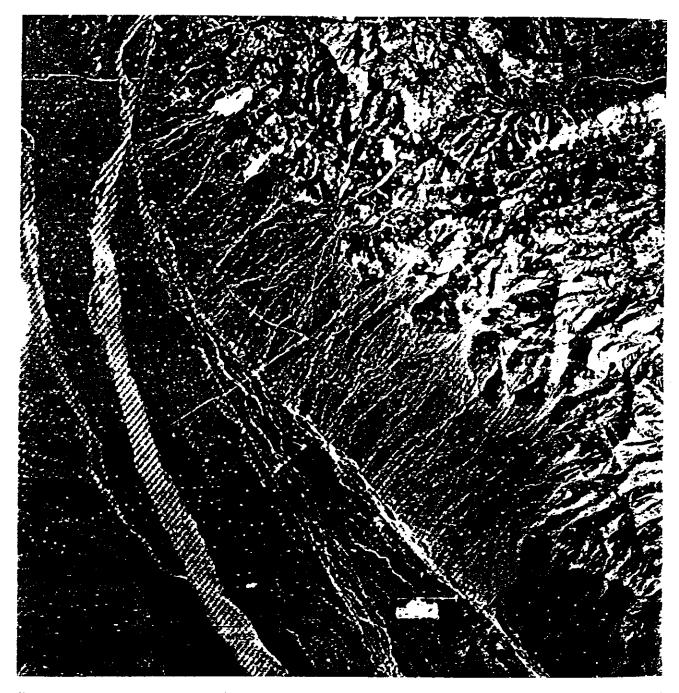
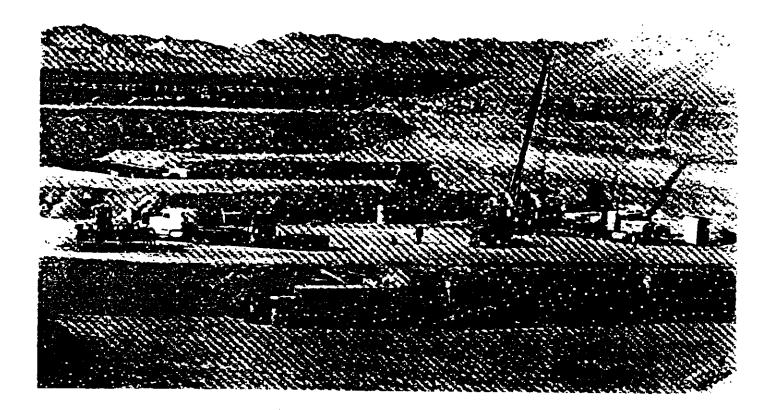
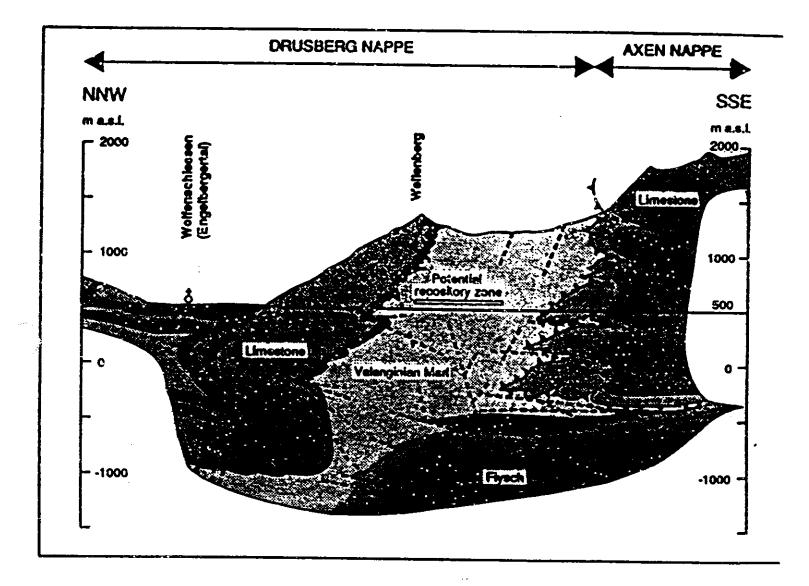
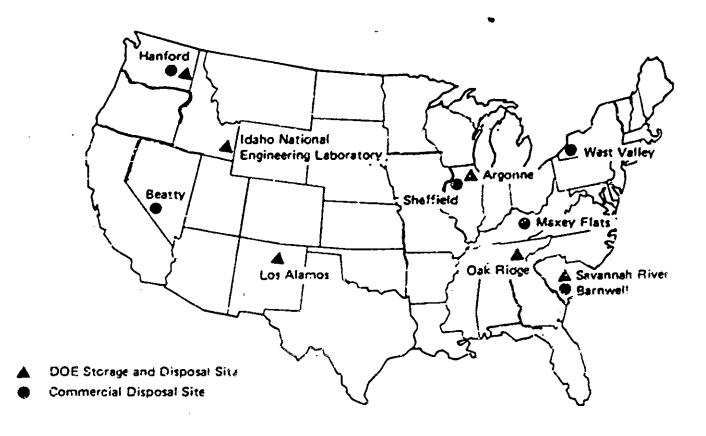


Figure 14. Aerial photograph of part of northern Amargosa Desert showing Bare Mountain, alluvial fans and dry channel of Amargosa River, and waste burial site near Beatty, Nev Photograph taken June 6, 1976

Geohydrologic Aspects for Siting and Design of Low-Level Radioactive Waste Disposal 16



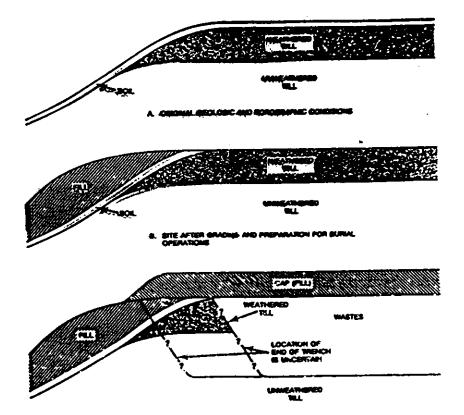




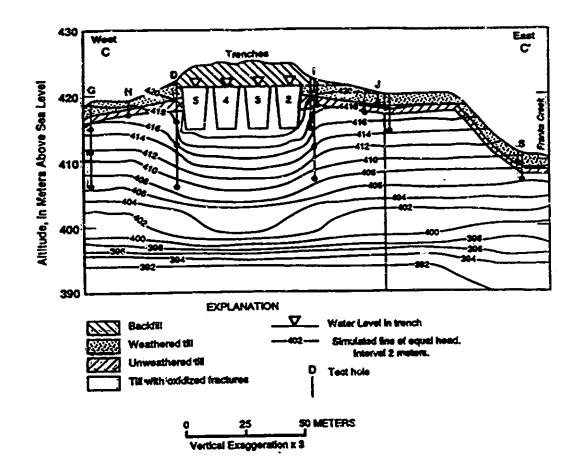
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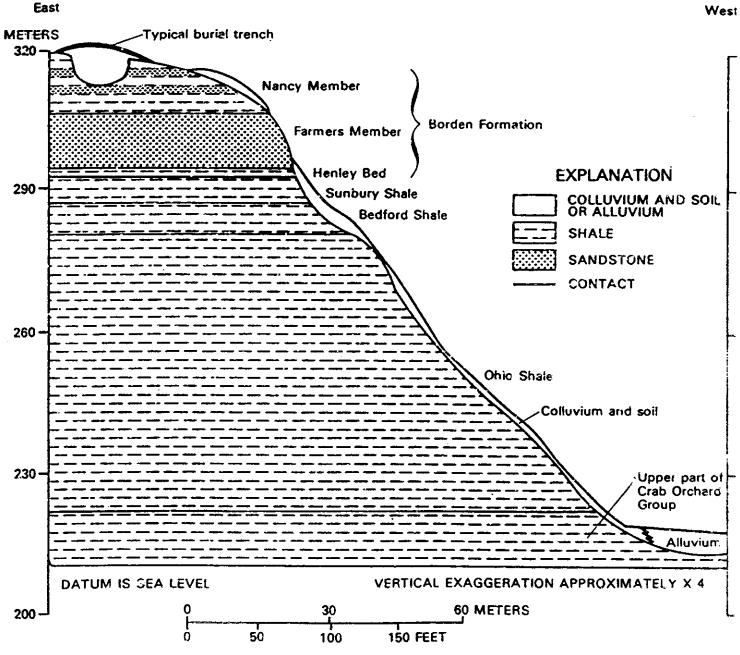
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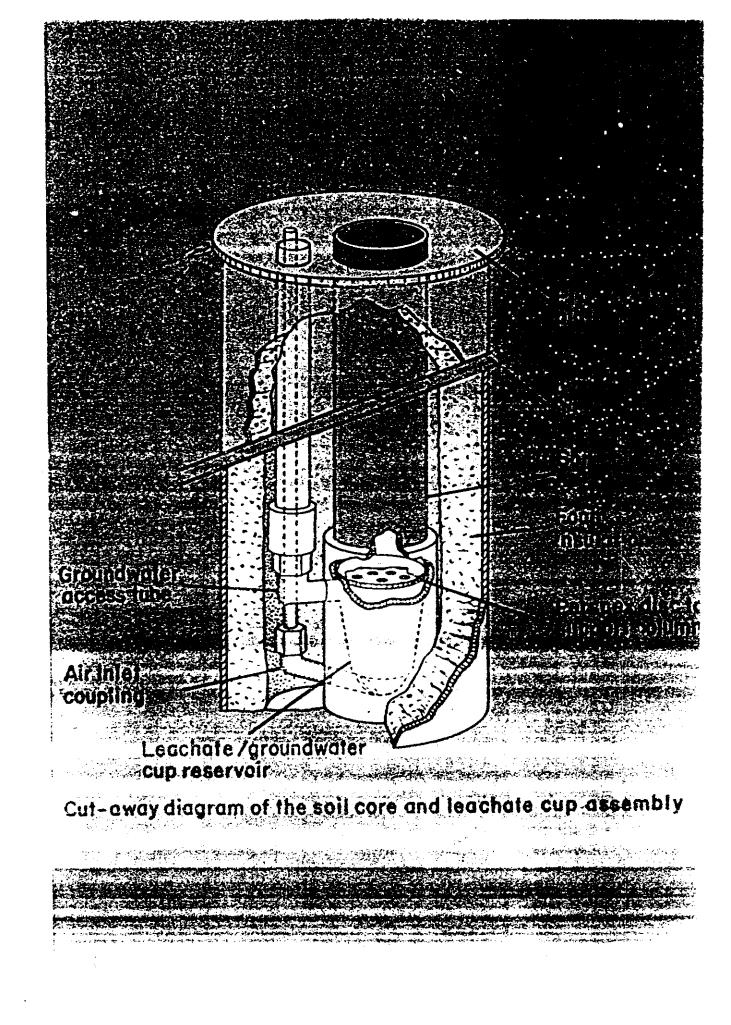
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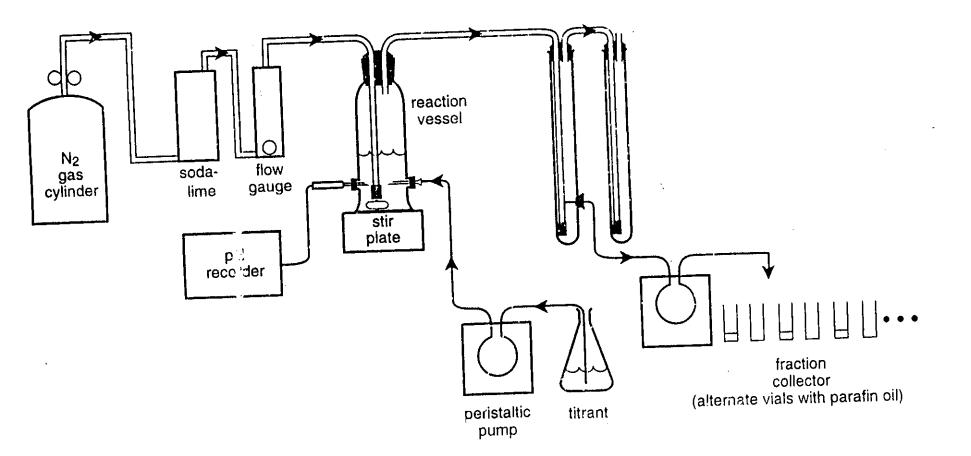


C. SITE AFTER SUMAL CREWATIONS COMPLETED



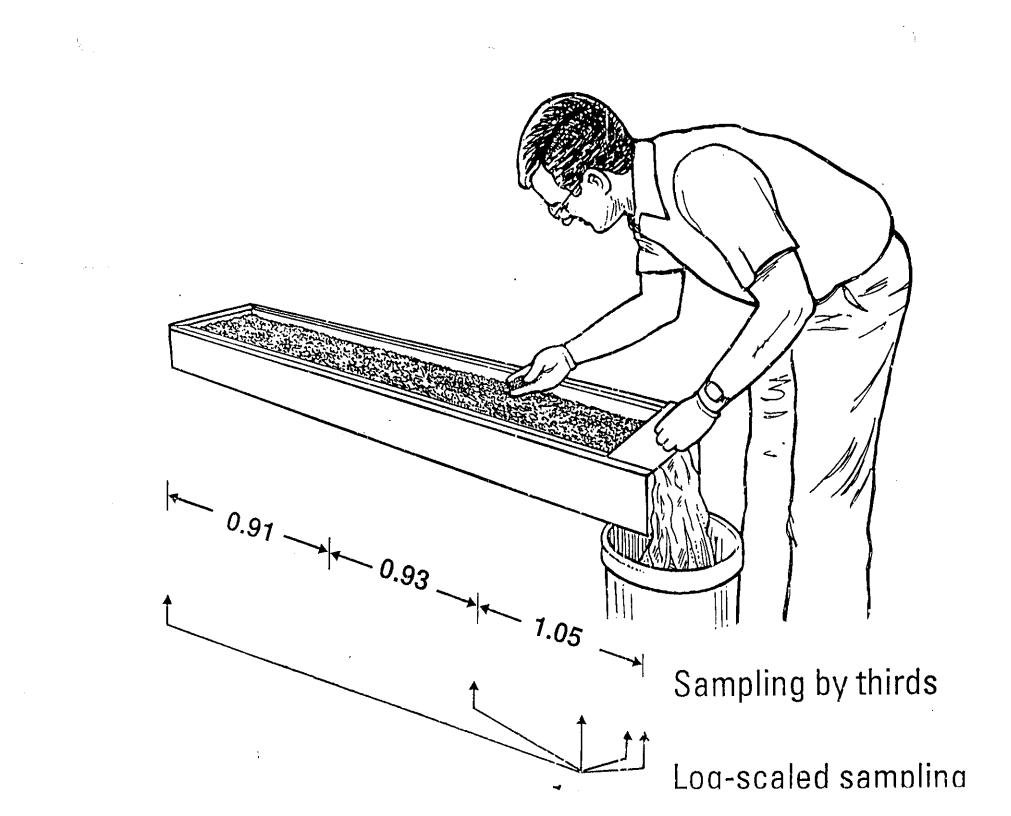






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N_aOH traps `< }



Geophagy in the tropics: an appraisal of three geophagical materials

Peter W. Abrahams' and Julia A. Parsons

Institute of Earth Studies, University of Wales, Aberystwyth SY23 3DB, Dyfed Wales, UK

Thailand

The practice of geophagy was found amongst the Akha tribe in the north of the country. The female Akha are the dominant geophagists, eating soil especially during pregnancy, menstruation and after child bearing (lactation). A soil sample was obtained from a village close to the Thai-Burmese border. The villagers collected the soil material from a pit located an hour's walk from the village. Upon questioning, the women commented on the 'good taste' of the soil, and indicated a daily consumption of some 30 g.

Fate of uranium in peat subjected to simulated industrial processes

CONC. IN PEAT (mg/kg)	A	SH	HUMIC	ACID	CID HYDOLYSA	
	PCR	% TBC	PCR	% rec	PCR	% rec
70	7.0	120	. 2	19	0.012	97
780	6.7	114	1.3	13	0.011	101
530	4.4	76	0.61	5.3	0.013	105
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Losses from soll

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