

Cross section  
of pile (scan-  
ner gear not  
shown).

Figure 2. Front view of Windscale reactor

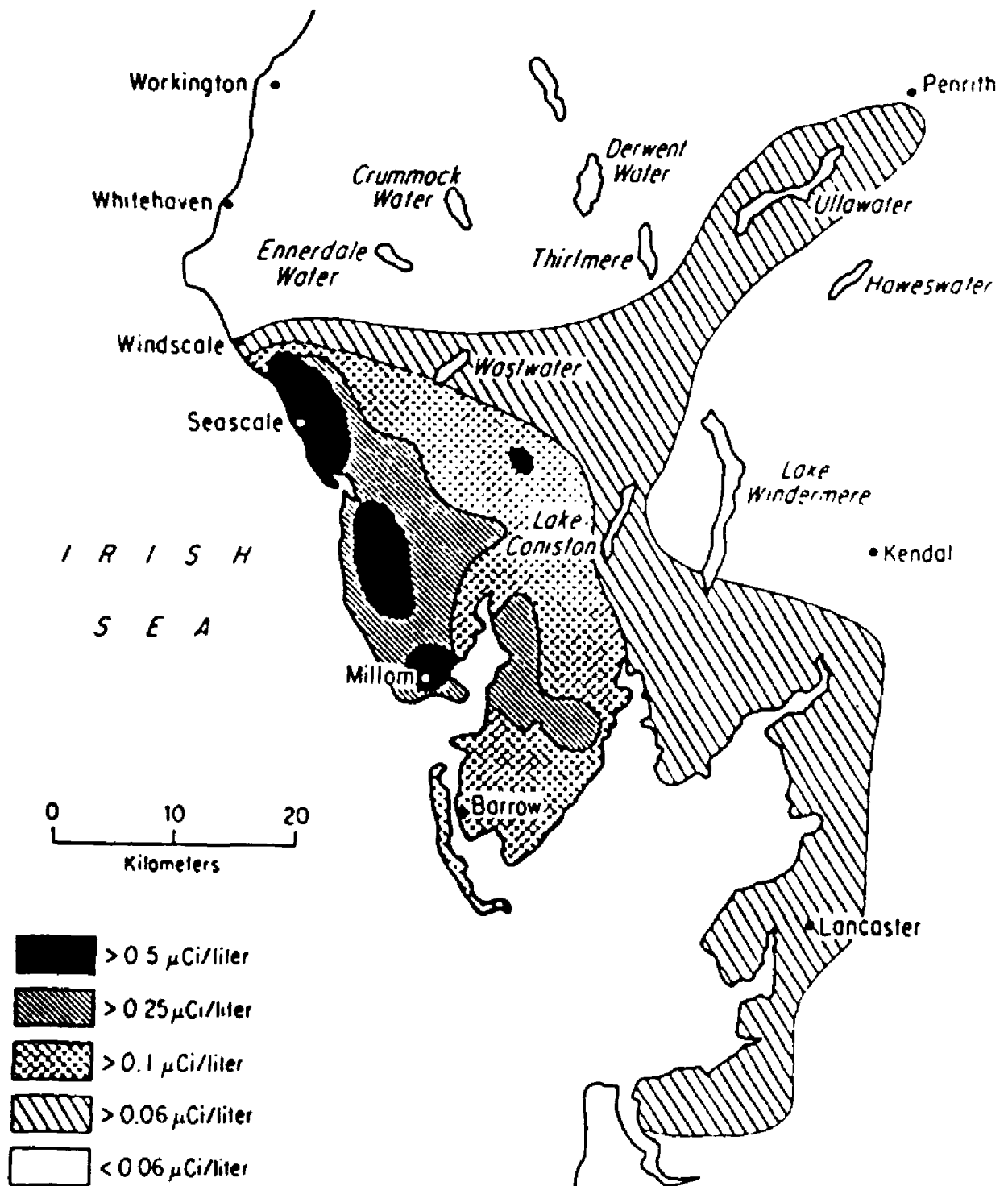


Figure 3.  $I^{131}$  concentration in milk in area near Windscale five days after fire.<sup>2</sup>

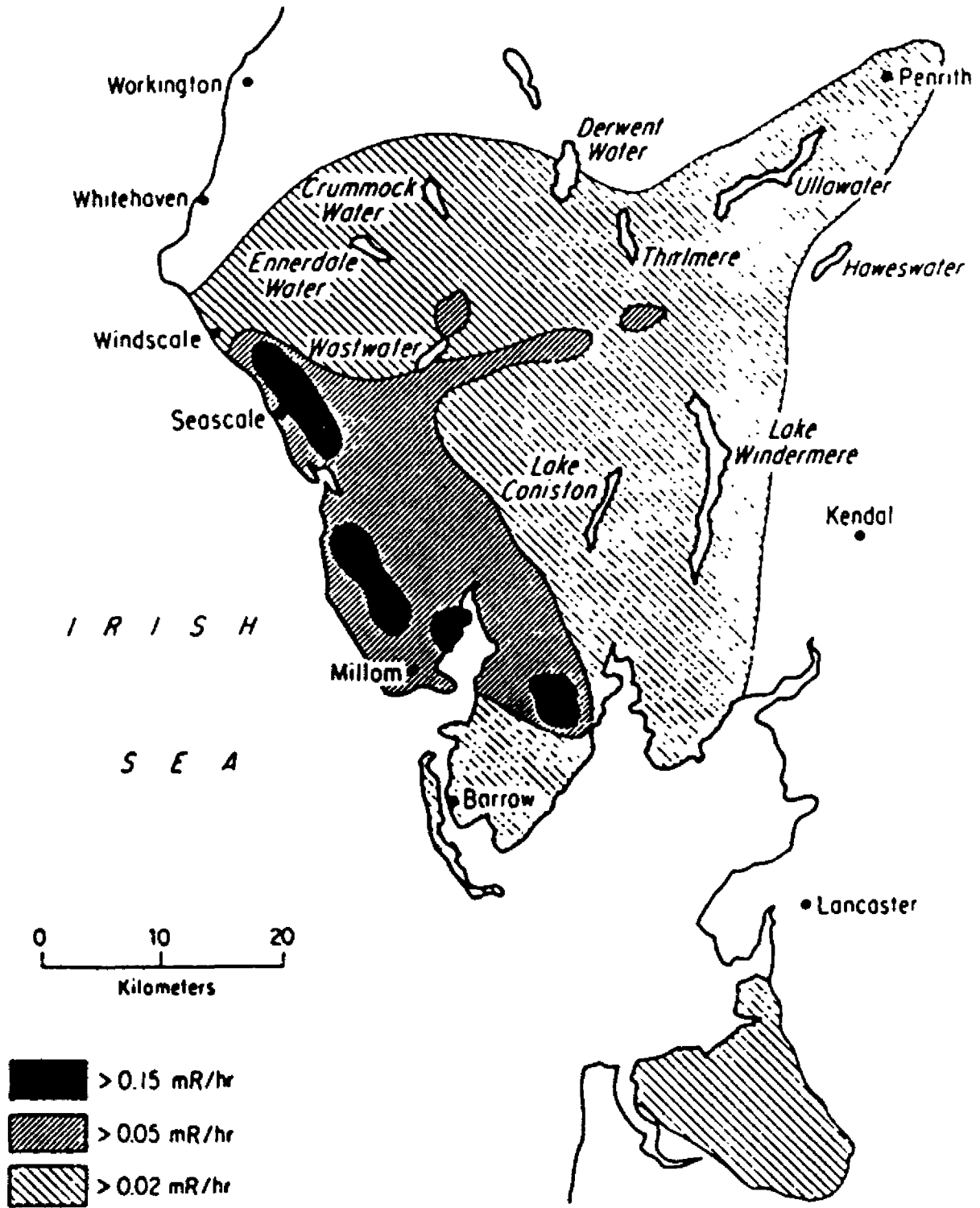


Figure 4. Environmental  $\gamma$ -radiation levels near Windscale five days after fire.<sup>2</sup>

TABLE 1  
TOTAL RELEASE OF ISOTOPES

Isotope	Curies
I-131	20,000
Cs-137	600
Sr-89	80
Sr-90	9

TABLE 2  
RADIATION RISKS OF THYROID CANCER IN CHILDREN\*

Dose	Risk
15 rad	0.0025
10 rad	0.0016
5 rad	0.0008

\*Based on the radioepidemiological tables of the NIH, 1984.