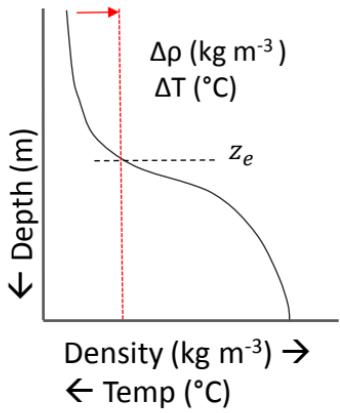


## Methods

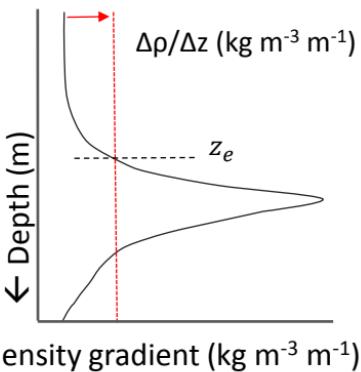
M1: Absolute difference from the surface



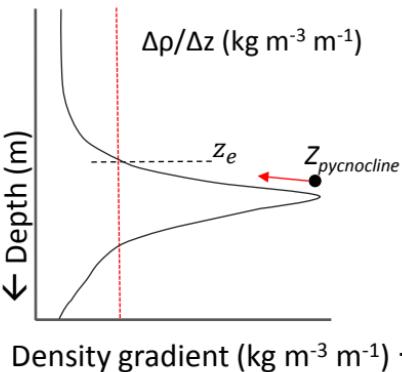
Thresholds

$\Delta\rho$ ( $\text{kg m}^{-3}$ )	0.025    0.125
0.05	0.15
0.075	0.175
0.1	0.2

M2: Gradient from the surface

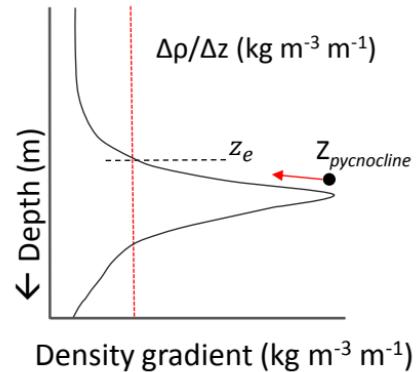


M3: Gradient from the pycnocline



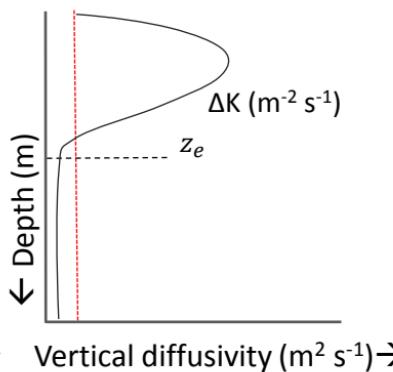
$\Delta\rho/\Delta z$ ( $\text{kg m}^{-3} \text{ m}^{-1}$ )	0.025    0.125
0.05	0.15
0.075	0.175
0.1	0.2

M4: rLakeAnalyzer  
“meta.depths” function



$\Delta K$ ( $\text{m}^{-2} \text{ s}^{-1}$ )	2 x 10 <sup>-5</sup> 6 x 10 <sup>-5</sup>
3 x 10 <sup>-5</sup>	7 x 10 <sup>-5</sup>
4 x 10 <sup>-5</sup>	8 x 10 <sup>-5</sup>
5 x 10 <sup>-5</sup>	9 x 10 <sup>-5</sup>

M5: Modelled turbulence method



$\Delta K$ ( $\text{m}^{-2} \text{ s}^{-1}$ )	2 x 10 <sup>-5</sup> 6 x 10 <sup>-5</sup>
3 x 10 <sup>-5</sup>	7 x 10 <sup>-5</sup>
4 x 10 <sup>-5</sup>	8 x 10 <sup>-5</sup>
5 x 10 <sup>-5</sup>	9 x 10 <sup>-5</sup>

Water temperature/density profile data

Lake model data