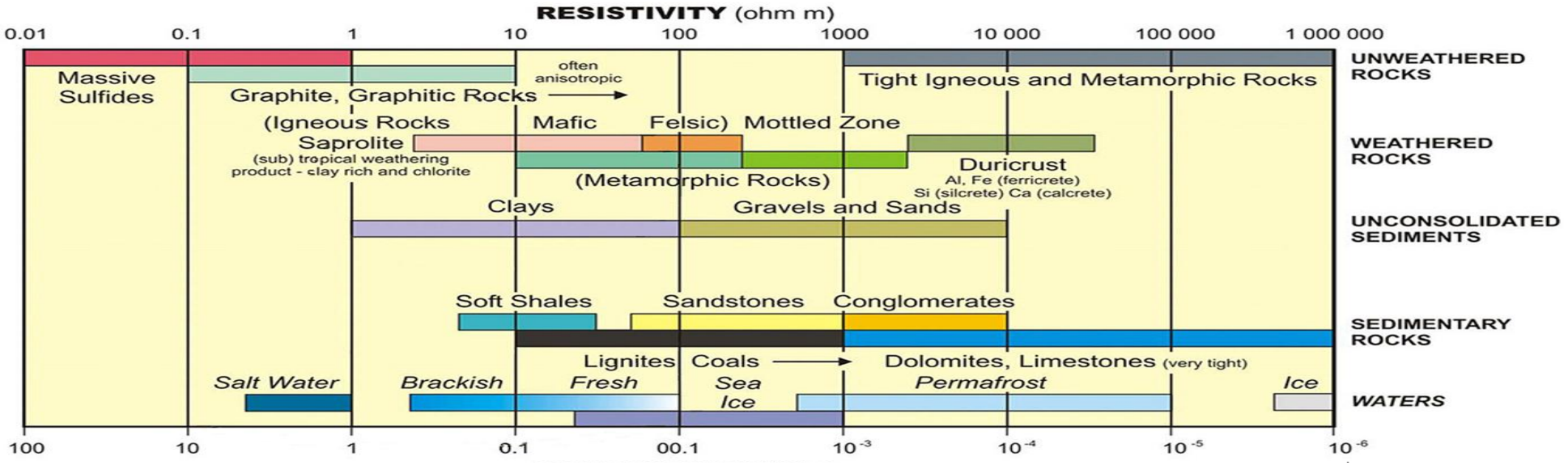
Approx. TDS (ppm == mg/L)										
Ωm	S/m	mS/m	µS/m	dS/m == mS/cm	µS/cm		TDS by x550	TDS by x900	Irrigation salinity	Drinking water	Material
0.01	100	100,000	100,000,000	1,000	1,000,000	Brine	550,000	900,000			
0.02	50	50,000	50,000,000	500	500,000		275,000	450,000			
0.05	20	20,000	20,000,000	200	200,000		110,000	180,000			
0.1	10	10,000	10,000,000	100	100,000	Saline	55,000	90,000			
0.2	5	5,000	5,000,000	50	50,000		27,500	45,000			Seawater (35 g/L)
0.5	2	2,000	2,000,000	20	20,000		11,000	18,000	extreme	Sheep max 6-15+ g/L	
1	1	1,000	1,000,000	10	10,000	Brackish	5,500	9,000	very high	Cattle max 4-10 g/L	Clays
2	0.5	500	500,000	5	5,000		2,750	4,500	high	Human max 3 g/L	Clays
5	0.2	200	200,000	2	2,000		1,100	1,800	medium		Saturated sands
10	0.1	100	100,000	1	1,000		550	900	low	Humans <800 mg/L	Saturated sands
20	0.05	50	50,000	0.5	500	Fresh	275	450	very low		Sedimentary rocks
50	0.02	20	20,000	0.2	200		110	180			Sedimentary rocks
100	0.01	10	10,000	0.1	100		55	90			Fractured sed. rocks
200	0.005	5	5,000	0.05	50		28	45			Ig/met rocks
1,000	0.001	1	1,000	0.01	10		6	9			
5,000	0.0002	0.2	200	0.002	2		1	2			Distilled water



CONDUCTIVITY (S/m)

From Tim Munday - CSIRO