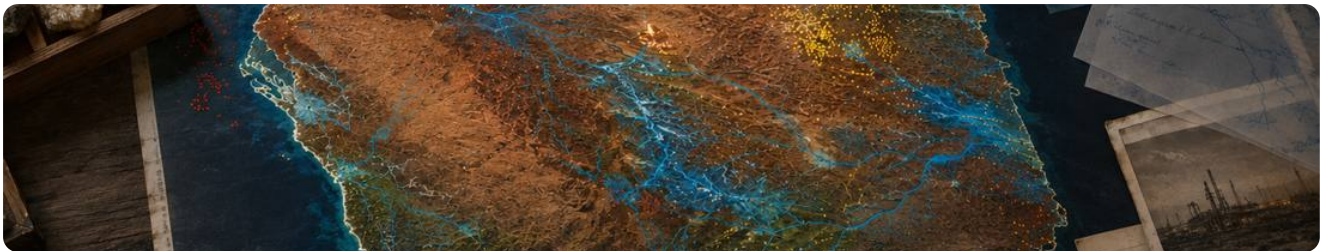


WATER: THE RESOURCE BEHIND THE RESOURCES

“Every mine on your map has a secret ingredient. Where does it come from?”



YOUR ROLE TODAY: WATER SECURITY ADVISOR

Companies trust you to answer one question before they spend a cent: will there be water? Today you learn why that question is harder in WA than almost anywhere. And why averages will lie to you.

THE RAINFALL WAGER — ESTIMATES LOCKED BEFORE THE REVEAL

Perth gets about **730 mm** of rain in an average year. Estimate the other three — then rate how confident you are. Honest confidence is a skill: advisors who know what they don't know get hired.

TOWN	MY ESTIMATE (MM/YR)	CONFIDENCE	ACTUAL (FILL AT REVEAL)
Perth	≈ 730 mm	—	≈ 730 mm
Broome		☐ sure ☐ guessing	
Marble Bar		☐ sure ☐ guessing	
Kalgoorlie		☐ sure ☐ guessing	

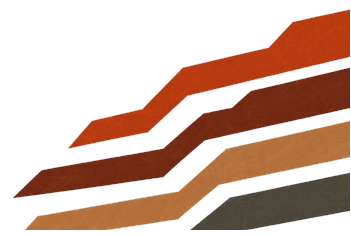
The reveal that breaks the rule “north = dry”: _____

But Broome's catch — WHEN does its rain arrive? _____

THE LINE THAT BEATS THE AVERAGE

Average is a liar.

A town can have a “good average” and still spend nine months bone dry. Location, distribution AND variability — you need all three.



THE WATER FILES — PREDICT FIRST, THEN OPEN THE FILE

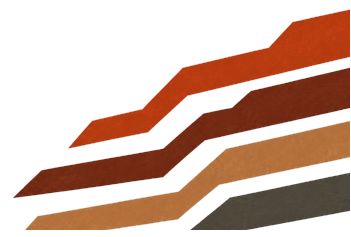
Four real WA water stories. For each: make your call **before** your team opens the evidence card — then confirm or revise. Changing your verdict with evidence is what professionals do.

FILE	MY PREDICTION	AFTER THE EVIDENCE	BECAUSE... (ONE SHARP LINE)
File 1 — The South West dams (Perth's catchments)	☐ reliable ☐ risky	☐ confirmed ☐ revised	
File 2 — Lake Argyle & the Ord (the far north giant)	☐ reliable ☐ risky	☐ confirmed ☐ revised	
File 3 — The Goldfields pipeline (1903)	☐ reliable ☐ risky	☐ confirmed ☐ revised	
File 4 — Pilbara groundwater (the hidden reserve)	☐ reliable ☐ risky	☐ confirmed ☐ revised	

THE ADVISOR'S VERDICT

Rank the four sources from **most** to **least** reliable for the next 50 years. There is no single right order — there are only defended orders.

RANK	SOURCE	MY DEFENCE
1		
2		
3		
4		



■ CONNECT IT TO YOUR MAP

Look back at your Lesson 2 briefing map. Which resource region has the *worst* water luck — and what did WA build to fix it?

■ EXIT TICKET — THE ADVISOR SIGNS OFF

1. “Average is a liar.” Prove it using Broome:

2. One water source and the region it saves, from memory:

3. Prediction for next lesson: a Pilbara mine needs millions of litres a day, in country with almost no rain. Where do you think it gets it?

How-sure-were-you check — back on page 1: how many “sure” estimates were actually close? ____

What does that tell an advisor about instinct vs data?

