

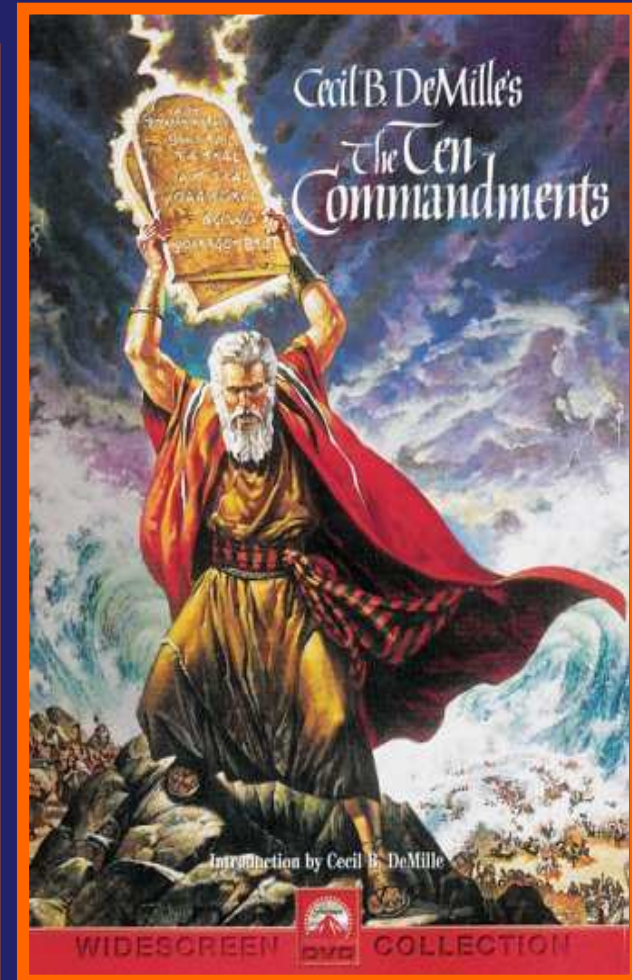
TALK 5

OROGENIC GOLD DEPOSITS PARTICULARLY PRECAMBRIAN EXAMPLES

THE TEN COMMANDMENTS
FOR MOST NORMAL SCENARIOS

EXCEPTIONS :

- REWORKED PRECAMBRIAN CRATON MARGINS
- MAJOR ZONES OF LITHOSPHERE THINNING



THERE SHALL BE:

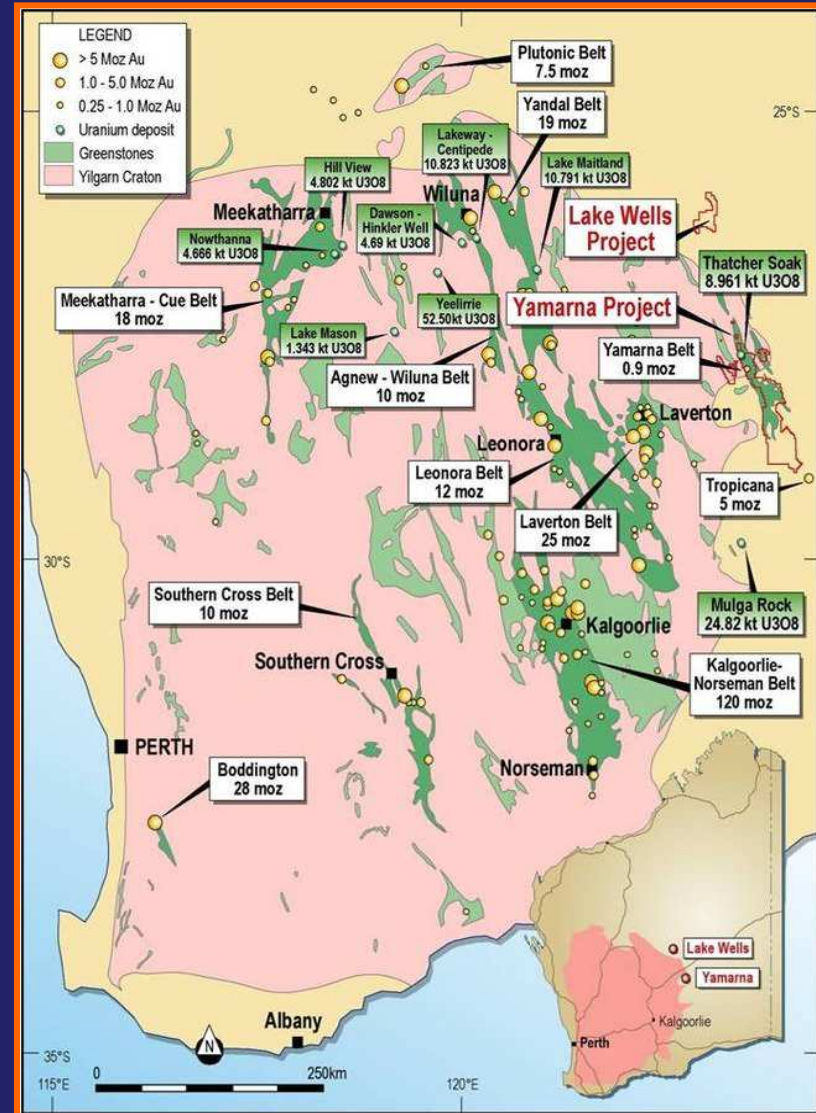
1. WIDESPREAD GOLD GEOCHEMICAL ANOMALISM



GOLD IS ALMOST EVERYWHERE



NEED TO LOCATE FOCUS POINTS



THERE SHALL BE:

2. DOMINANTLY
LOW STRAIN
SUPRACRUSTAL
BELTS WITH
RESTRICTED
($<5-10\%$) HIGH
STRAIN SHEAR
ZONES

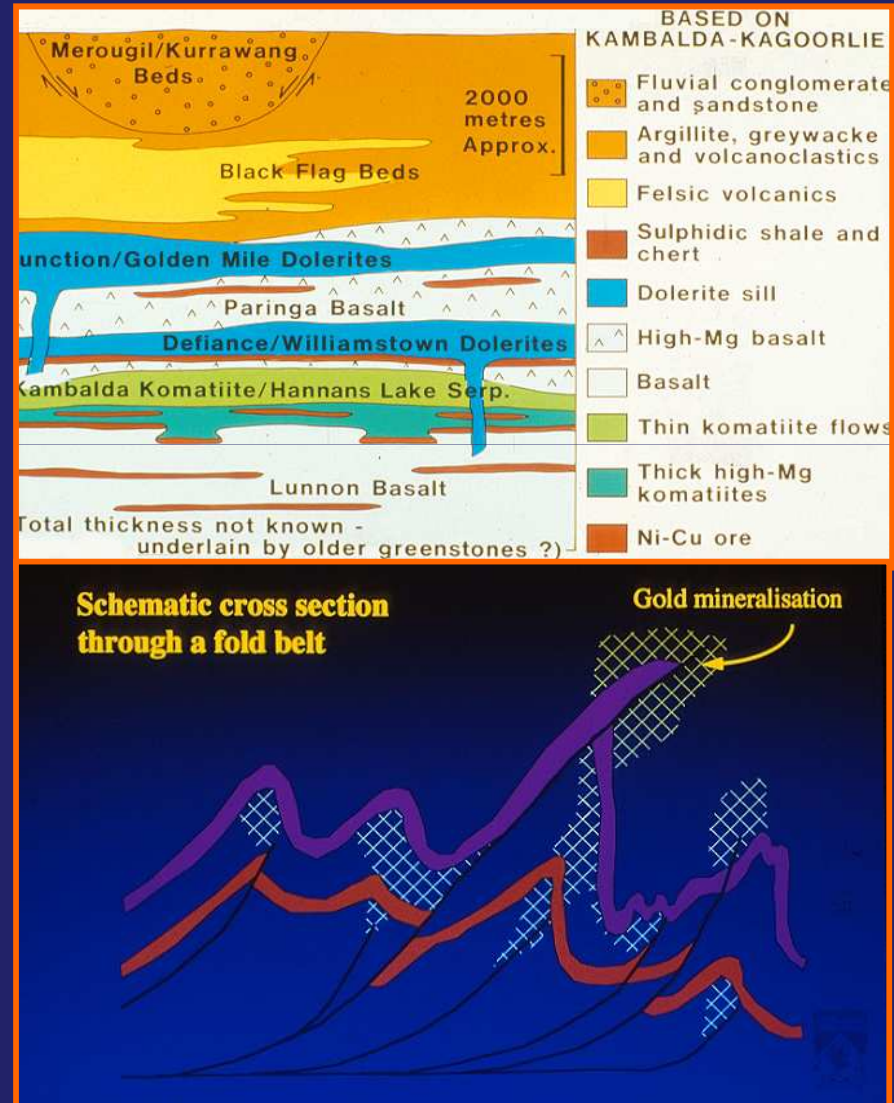
NOT SCHIST BELTS



IMAGINE VIEW IS 20km

THERE SHALL BE:

3. ANTICLINAL ZONES IN VOLCANO-SEDIMENTARY SUPRACRUSTAL BELTS WITH VOLCANIC ROCKS (TRAPS) BELOW SEDIMENTARY SEQUENCES (CAPS)



THERE SHALL BE:

4. COMPETENCY AND
COMPOSITIONAL
CONTRASTS
BETWEEN UNITS IN
SUPRACRUSTAL
SEQUENCES

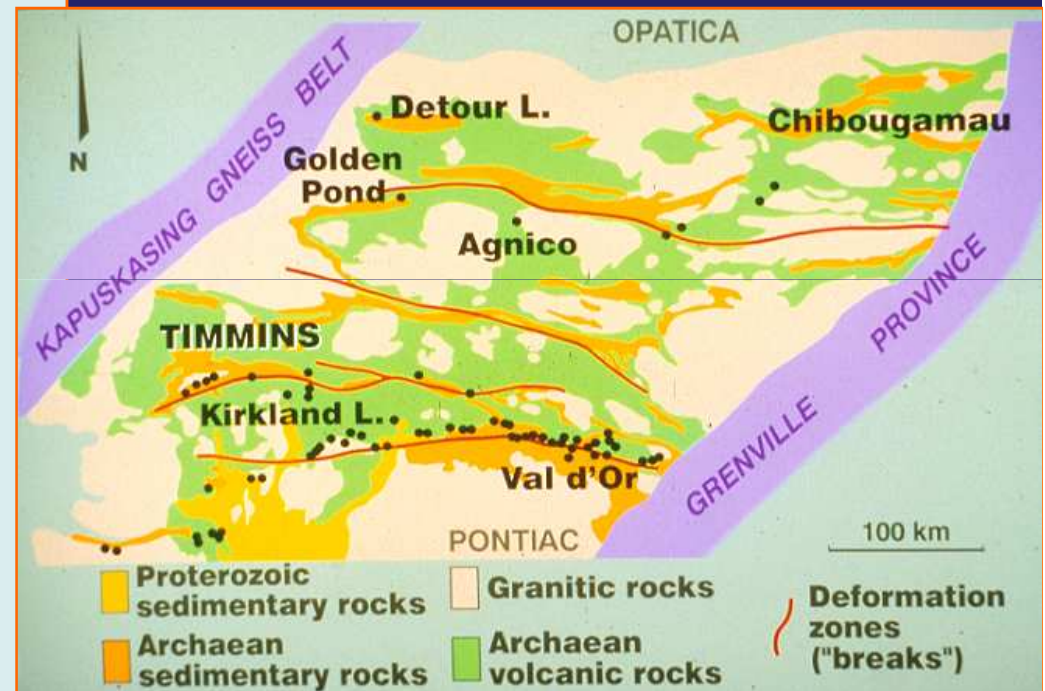


CHEMICAL AND
RHEOLOGY
GRADIENTS



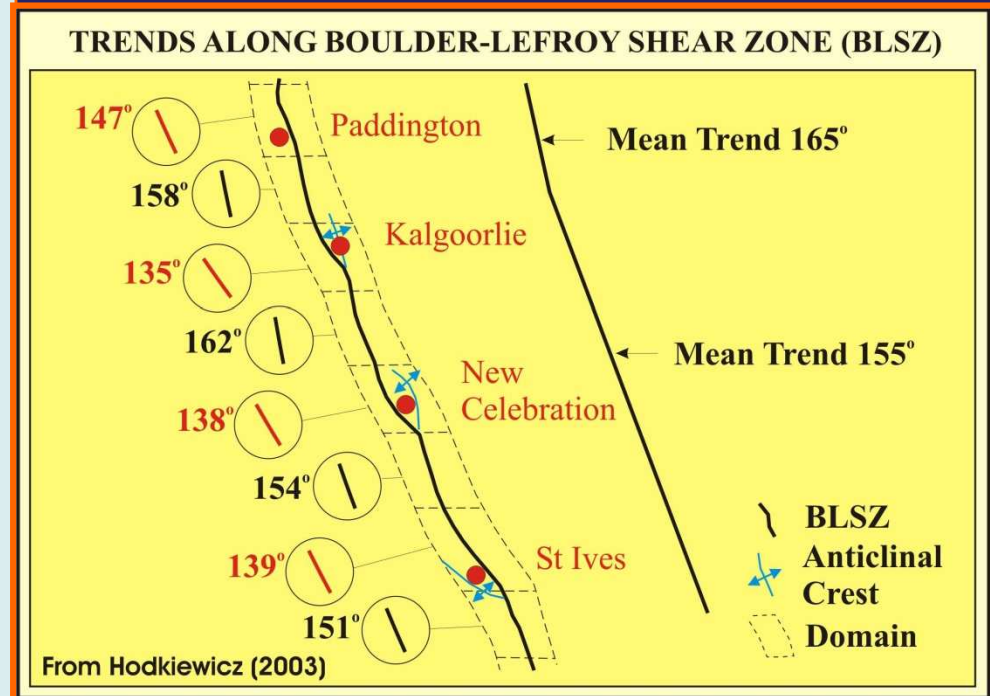
THERE SHALL BE:

5. PROMINENT CURVILINEAR CRUSTAL-SCALE SHEAR ZONES / LITHOSPHERIC BOUNDARIES / GEOPHYSICAL LINEAMENTS



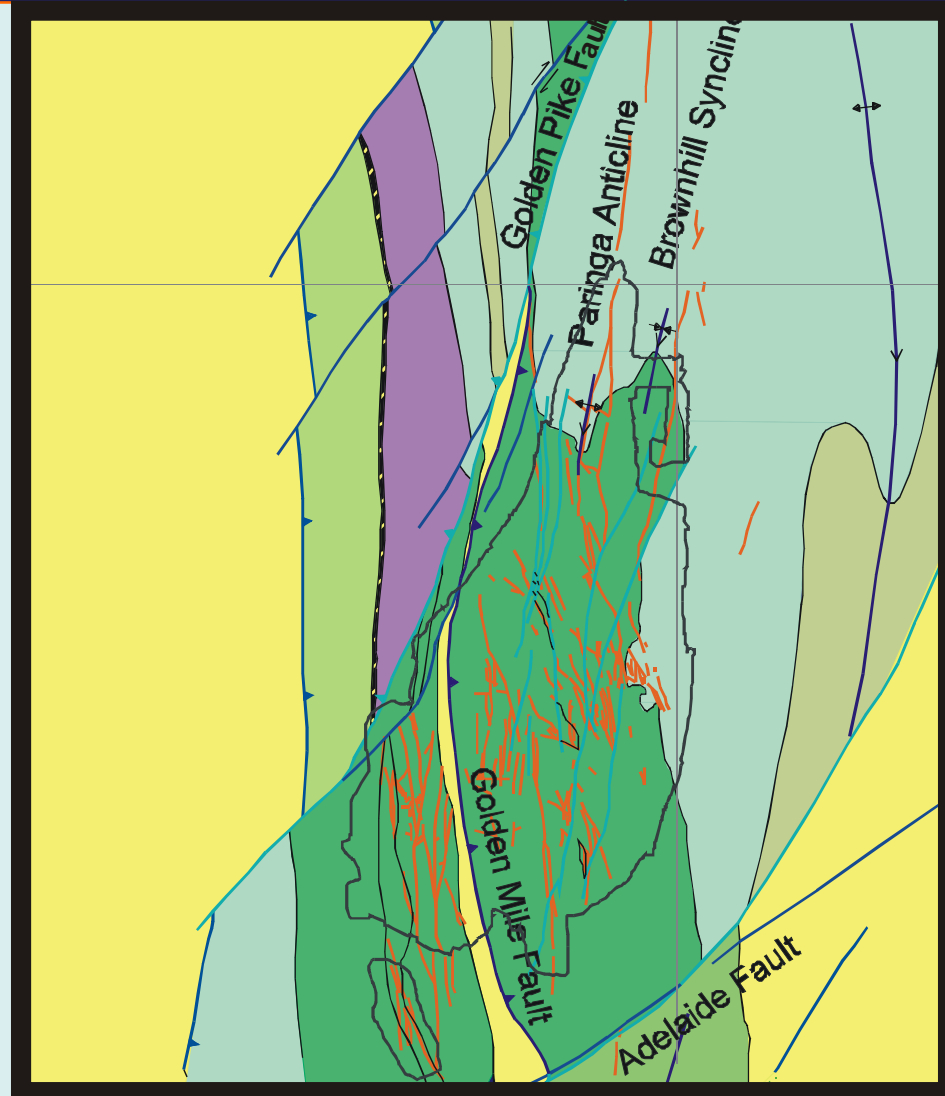
THERE SHALL BE:

6. PROMINENT JOGS OF 10-15 DEGREES IN STRIKE VARIATION IN MAJOR SHEAR ZONES/LINEAMENTS



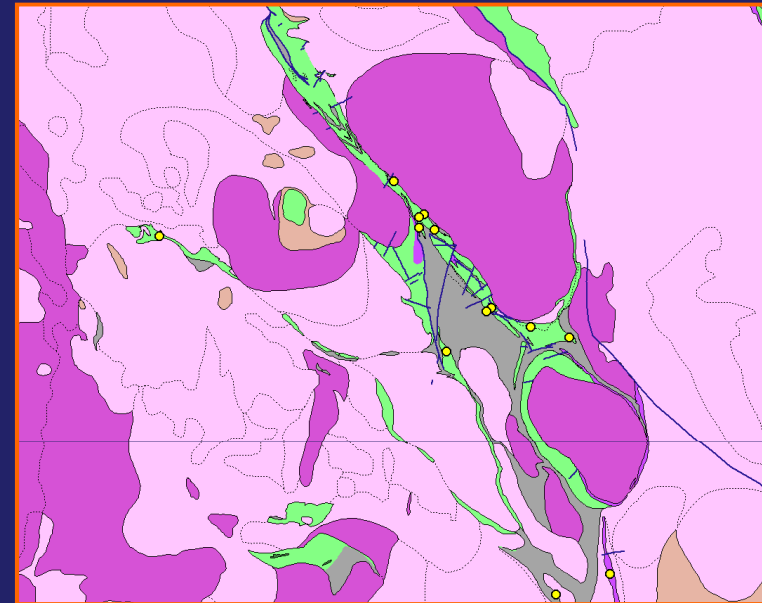
THERE SHALL BE:

7. CORRIDORS OF OBLIQUE FAULTS THAT MAY APPEAR TO POST-DATE GOLD FORMATION BUT WHICH CONTROL IT



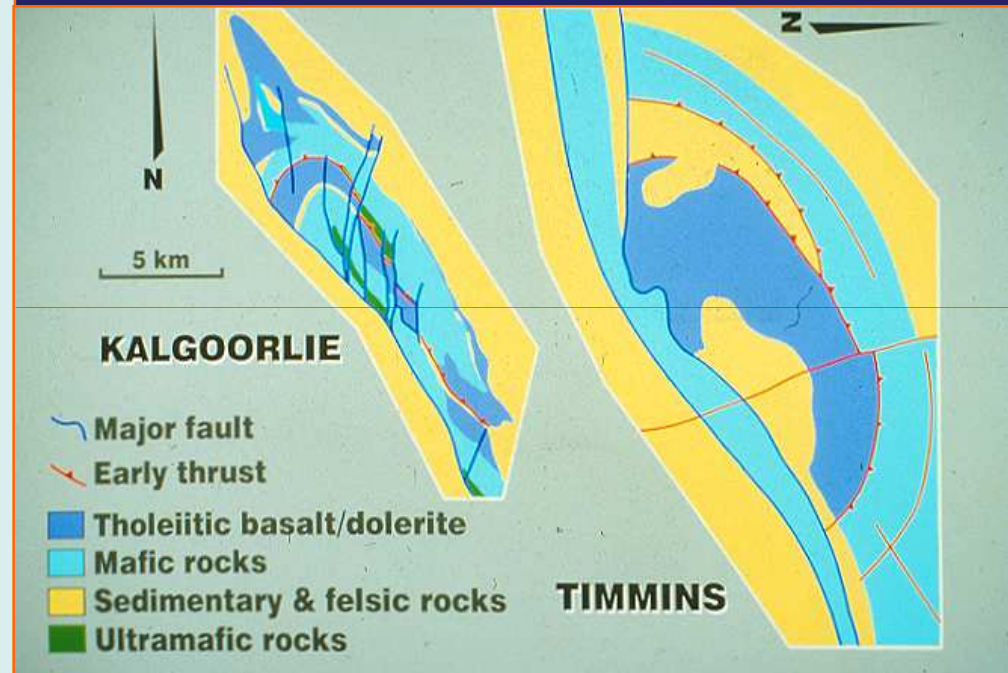
THERE SHALL BE:

8. COMPLEX
GRANITE
CONTACTS WITH
SUPRACRUSTAL
ROCKS WITH
NECK ZONES
REPRESENTING
STRAIN
GRADIENTS



THERE SHALL BE:

9. AS A
CONSEQUENCE OF
COMMANDMENTS
1 TO 8, MORE
COMPLEX
GEOMETRY AT
THE SITES OF
OROGENIC GOLD
DEPOSITS



THERE SHALL BE:

10. A COMBINATION OF SUPPORTIVE BOARD, GOOD MANAGEMENT, SKILLED EXPLORATION TEAM, KNOWLEDGEABLE CONSULTANTS AND EXCEEDINGLY GOOD FORTUNE TO MAKE AN ANGLOGOLDASHANTI-SCALE DISCOVERY

