(a)
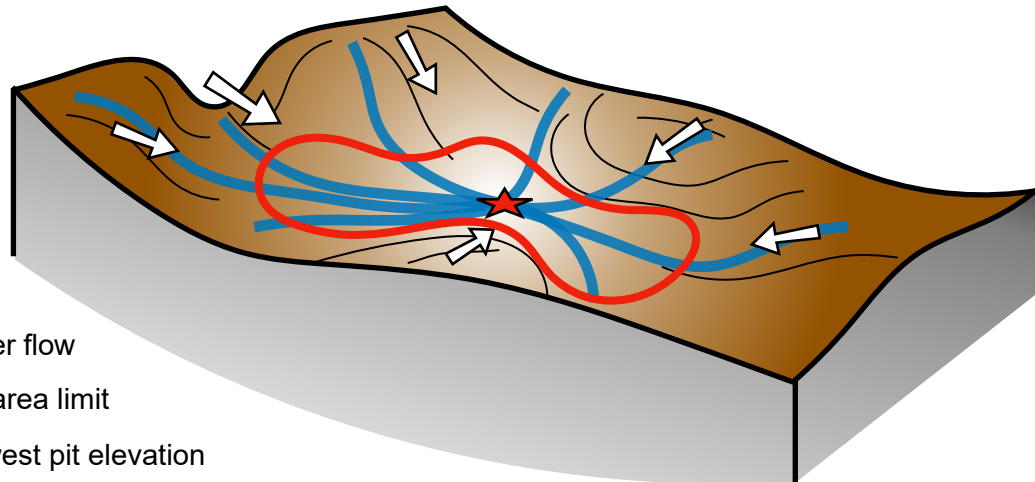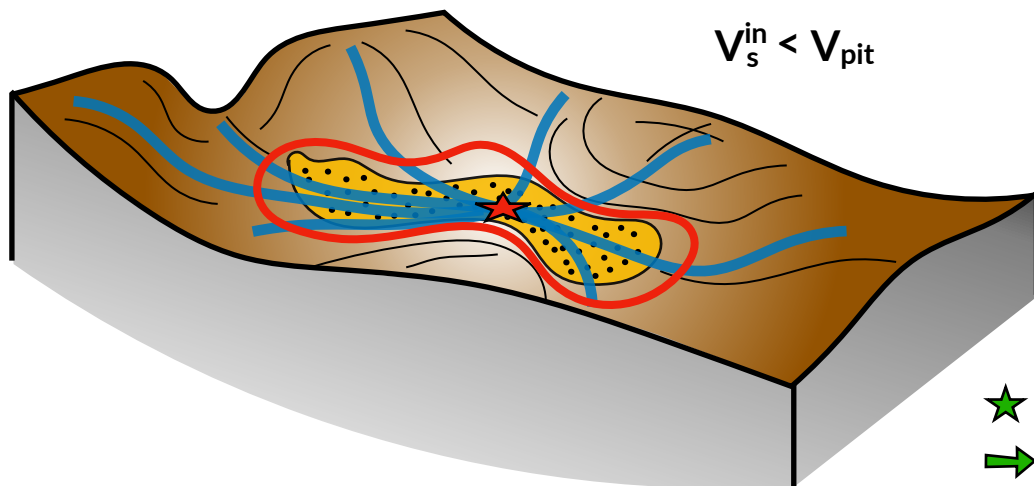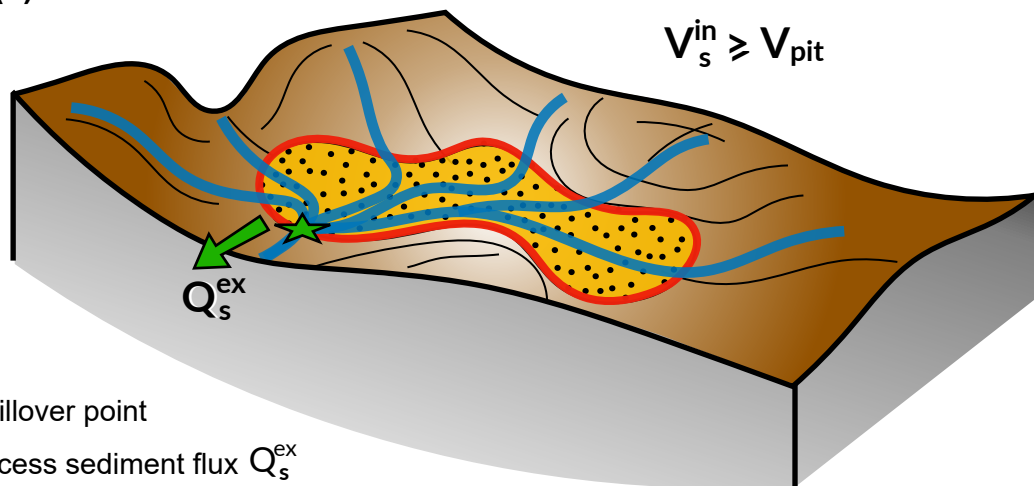
- 〰 River flow
- 〰 Pit area limit
- ⭐ Lowest pit elevation
- ⇨ Incoming sediment flux Q_s^{in}

(b)

$V_s^{in} < V_{pit}$

(c)

$V_s^{in} \gtrsim V_{pit}$

Q_s^{ex}

- ⭐ Spillover point
- ➡ Excess sediment flux Q_s^{ex}