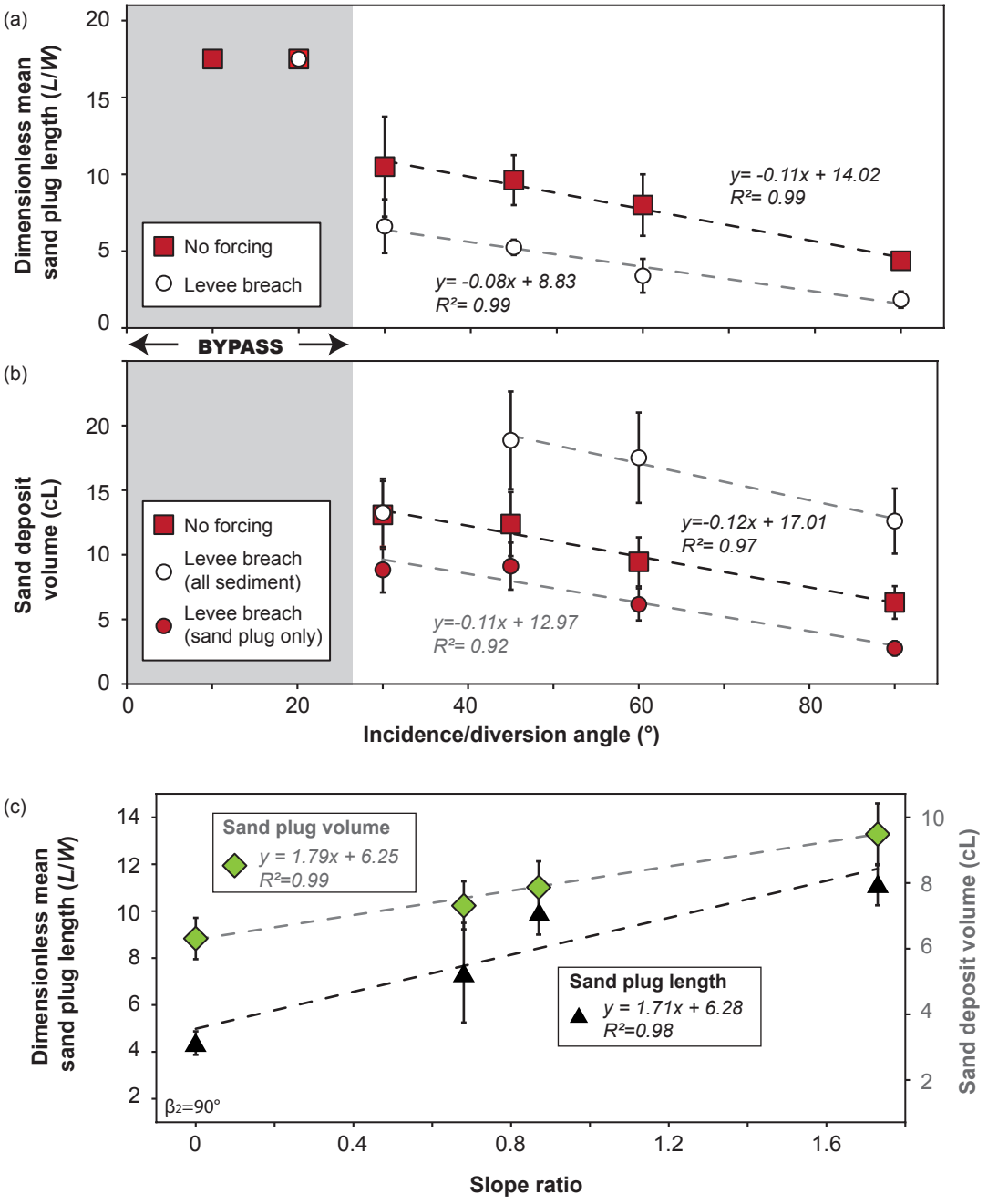
(a)
Dimensionless mean sand plug length (L/W)
No forcing
Levee breach
y= -0.11x + 14.02
R²= 0.99
y= -0.08x + 8.83
R²= 0.99
BYPASS
(b)
Sand deposit volume (cL)
No forcing
Levee breach (all sediment)
Levee breach (sand plug only)
y=-0.12x + 17.01
R²= 0.97
y=-0.11x + 12.97
R²= 0.92
Incidence/diversion angle (°)
(c)
Dimensionless mean sand plug length (L/W)
Sand deposit volume (cL)
Sand plug volume
y = 1.79x + 6.25
R²=0.99
Sand plug length
y = 1.71x + 6.28
R²=0.98
β2=90°
Slope ratio