## **DATA AVAILABILITY**

## Evaluation of barrier lake breach floodS: insights from recent case studies in China

By Zuyu Cheny, Qiang Zhang, Shujing Chen, Lin Wang, Xingbo Zhou, 2019, WIERs



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	ed and assurated hydrographs springism. 10 Despr

			TABLE 5	Summary of the	he sensitivity studies		
	Case	Physics of the	Sub-case -	Parameters		Peak flow, $Q_p$ ,	η
	Case	parameters	Suo-case	Sensitivity studies	Target case	m <sup>3</sup> /s	%
		Hydraulic parameters	A-1	m=0.6, C=1.35		7,829.65	2.89
	A		A-2	m=0.5, $C=1.35$	m=0.8, $C=1.43$	7,858.80	3.27
			A-3	m=0.5, $C=1.69$		8,300.19	9.07
	В	Hyperbolic erosion model	B-1	a=1.0,b=0.0005	a=1.1,b=0.0007	9,475.62	24.52
	ь		B-2	a=0.9,b=0.0003		13,524.99	77.73
			C-1	$a_1=8,b_1=1.2$		7,512.91	-1.28
	C	Power erosion model	C-2	$a_1=10,b_1=1.2$		10,357.93	36.11
			C-3	$a_1=8,b_1=1.3$		15,192.20	99.63
Ι			D-1	$a_L = 0.3$		20,619.35	170.95
	D	D Linear erosion model	D-2	$a_L = 0.2$		13,707.17	80.12
			D-3	$a_L = 0.1$		4,769.04	-37.33
_		E Shear strength parameters	E-1	c=50, φ=35°	c=25, φ=22°	6,954.75	-8.61
	E		E-2	c=10, φ=15°		7,413.23	-2.59

Data files for the above cases are contained in ABCD.RAR

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