

Site Address	384 Broockmanns Road, Finlay NSW 2713					
Date	11/03/2025					
INPUT DATA - Solar Farm	ha	m ²	Comment	Rainfall (m ³)	Impervious fraction	Runoff (m ³)
Development Footprint	7.919	79190		3112.167	0.1	311.2167
Battery	0.1317	1317	batteries	51.7581	1	51.7581
Internal roads	0.452	4520	unsealed, does not include section of existing	177.636	0.85	150.9906
Substation	0.059	590	hardstand	23.187	0.85	19.70895
O&M Building	0.014	140	100% rainfall not collected	5.502	1	5.502
Control and Switchroom	0.025	250		9.825	1	9.825
Watertanks	0.004	40	Could be storage - to be confirmed	1.572	1	1.572
Hardstand around infrastructure	0.6673	6673	Hardstand	262.2489	0.85	222.911565
Dams	0	0	retained dams are storages	0	0	0
Creeks	0.088	880	Mulwala No 19B Channel - removal	34.584	0	0 removal (100% removed)
Total		93600	confirmed	3678.48		773.484915 m ³ runoff

0.612 ha
1316.48 m2
0.1317 ha
0.4803 hardstand
1.1476 hardstand around infrastructure

Assessor

DESIGN RAINFALL DEPTHS

Intensity (depth) -Frequency (63.2%) -Duration (24 hours)

<http://www.bom.gov.au/water/designRainfalls/revised-ifd/>
Water balance calculations use the design rainfall event for a 63.2% Annual Exceedance Probability (AEP) for a 24-hour period unless identified otherwise. The latest 2016 rainfall Intensity Frequency Duration (IFD) data is obtained from the Bureau of Meteorology (BOM) via the link above.

(mm) 39.3
(m) 0.0393

Calculate the volume of rainfall on the dams
Calculate the volume of rainfall creeks (where they exist)
Calculate volume of rainfall on access tracks, hardstand areas, other impervious surfaces