

FLASH FLOOD GUIDANCE SURINAME



METEOROLOGICAL SERVICE SURINAME

The coastal zone of Suriname is very flat and vulnerable for flash flooding especially during the big rainy season from half April till half August every year.

Paramaribo the capital city of Suriname is located in the coastal zone and endures flash flooding several times during this rainy season.

In the recent years it is getting more worse because of several other reasons:

- Urbanization this results in more buildings in Paramaribo and in many cases closing of the open gutter.
- Plastic waste in the still open gutter causes stoppages.
- And the intensity of the rainfall

According to the statistics of the meanly annual rainfall there is not any significant increasing, but in the monthly, daily and hourly rainfall data there are sometimes a peak.

Especially this peak in the monthly, daily and hourly rainfall data which occurs mostly at the end of the rainy season with heavy thunder showers called “Sibi Busi” in Suriname means literary cleaning the bush, can cause extra flash flooding as you will see in the following pictures.

Some images of the recent flash flood



Waterkant.Net



Source: Waterkan.Net
www.radio10.sr



www.youtube.com



www.rkbegraafplaats.com

In the recent rainy season this year we had several times flash flooding in Paramaribo. A schema of the daily rainfall data from four stations in Paramaribo:

2016	Cultuurtuin	Zorg & Hoop	Duisburg	Weg naar Zee
29 th April	75.5 mm	66.8 mm	81.1 mm	107.9 mm
04 th May	59.5 mm	51.7 mm	46.7 mm	78.5 mm
16 th May	57.6 mm	77.7 mm	60.7 mm	38.6 mm
24 th May	45.8 mm	53.4 mm	49.1 mm	53.0 mm
13 th June	86.8 mm	56.0 mm		55.3 mm
21 th July	33.1 mm	48.0 mm	44.0 mm	

2016	Hour	Cultuurtuin		
13 th June	07	44.2 mm		

The 13th of June is an example of the intensity of the rainfall from station Cultuurtuin which causes an extreme flash flooding in Paramaribo

The Meteorological Service Suriname is providing the necessary climatology data to :

- The Ministry of Public Works
- The National Coordination Centre for Disaster Management (NCCR)
- The National Institute for Environment & Development (NIMOS)
- Etc.....

These Institutes/Organizations use the Climatology data and the information to make preparations or take actions before the rainy season in Suriname.

