

# Flood Risk, by the Numbers...

[15 Mar 2019 outlook]

Color code: Below Minor Moderate Major Flood of Record

**RED RIVER AND TRIBUTARIES** ... Long-Range Probabilistic Outlook  
Valid March 18, 2019 - June 16, 2019

LOCATION	95%	90%	75%	50%	25%	10%	05%
WAHPETON	13.9	14.1	14.8	15.7	17.0	18.2	19.0
HICKSON	32.1	32.8	33.9	35.1	36.1	37.6	38.6
FARGO	33.8	34.9	36.5	37.9	38.9	40.3	41.4
HALSTAD	38.0	38.5	39.0	39.5	40.0	40.6	41.2
GRAND FORKS	45.8	47.5	49.0	50.6	52.7	54.6	56.7
OSLO	37.2	37.5	37.8	37.9	38.0	38.1	38.1
DRAYTON	41.8	42.4	43.0	43.7	44.6	45.3	46.0
PEMBINA	51.0	51.7	52.2	53.0	53.7	54.5	54.7

Similar years... 2011 is starting to look like a more similar year (at 50<sup>th</sup> percentile), while a perfect thaw cycle year would be more like 2013 flows.