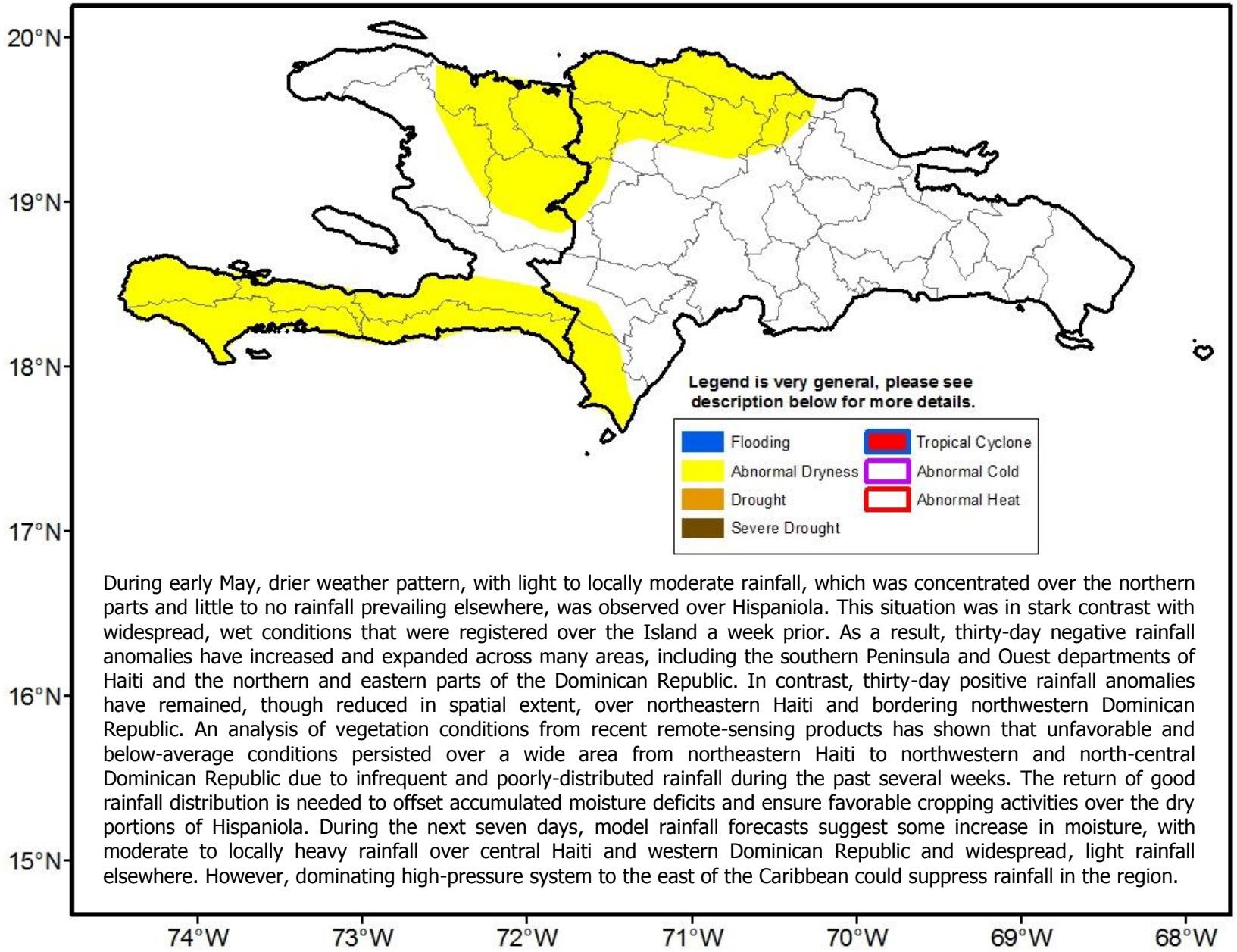
Climate Prediction Center's Hispaniola Hazards Outlook
May 16 – 22, 2019

- **Irregular rainfall over the past thirty days has resulted in abnormal dryness over parts of Hispaniola.**



During early May, drier weather pattern, with light to locally moderate rainfall, which was concentrated over the northern parts and little to no rainfall prevailing elsewhere, was observed over Hispaniola. This situation was in stark contrast with widespread, wet conditions that were registered over the Island a week prior. As a result, thirty-day negative rainfall anomalies have increased and expanded across many areas, including the southern Peninsula and Ouest departments of Haiti and the northern and eastern parts of the Dominican Republic. In contrast, thirty-day positive rainfall anomalies have remained, though reduced in spatial extent, over northeastern Haiti and bordering northwestern Dominican Republic. An analysis of vegetation conditions from recent remote-sensing products has shown that unfavorable and below-average conditions persisted over a wide area from northeastern Haiti to northwestern and north-central Dominican Republic due to infrequent and poorly-distributed rainfall during the past several weeks. The return of good rainfall distribution is needed to offset accumulated moisture deficits and ensure favorable cropping activities over the dry portions of Hispaniola. During the next seven days, model rainfall forecasts suggest some increase in moisture, with moderate to locally heavy rainfall over central Haiti and western Dominican Republic and widespread, light rainfall elsewhere. However, dominating high-pressure system to the east of the Caribbean could suppress rainfall in the region.

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