

Global Warming: Early Warning Signs - New Events, 2003.



Heat waves and periods of unusually warm weather

90. Southern India - Heat wave, May 2002.
91. Nepal - High rate of temperature rise.
92. Peru - Increase in average minimum temperatures.
93. Taiwan - Average temperature increase.
94. Afghanistan - Warmest winter on record, 2001.
95. Tibet - Warmest decade in 1,000 years.
96. Mongolia - Warmest century of the past millennium.
97. Middle East - Widespread heat wave, 2000.
98. Europe - Warmest October on record, 2001.
99. Central England - Warmest October on record, 2001.
100. Australia - Warmest April on record, 2002.
101. Tropical Andes - Increase in annual temperature.



Spreading disease

102. North America - Genetic adaptation to in mosquito.
103. Bangladesh - Link between stronger El Niño events and cholera prevalence.



Earlier spring arrival

104. Tornionjoki River, Finland - Earlier ice break-up.
105. Lake Baikal, Russia - Shorter freezing period.
106. The Netherlands - Earlier flight peak of moths.
107. Hungary - Earlier flowering dates.
108. Europe - Change in timing of spring & autumn events.
109. Colorado - Earlier emergence from hibernation.
110. Southeast Arizona - Earlier egg-laying.
111. Europe - Earlier growing season.
112. Turku, Finland - Longer growing season.
113. England - Earlier first flowering date.



Plant and animal range shifts and population changes

114. Alaska - Changing vegetation patterns.
115. Western Hudson Bay, Canada - Stressed Polar Bears.
116. Banks Island, Canada - Expanded Ranges.
117. Argentine Islands - Flowering plants changes.
118. United Kingdom - Birds extend northern ranges.



Ocean warming, sea-level rise and coastal flooding

119. Bangladesh - Flooded mangroves.
120. China - Rising waters and temperature.
121. World Ocean - Worldwide ocean warming.
122. Southern Ocean - Strong warming trend.
123. New Zealand - Ocean warming.



Coral reef bleaching

124. Fiji - Coral reef bleaching, 2000.
125. Galapagos, Ecuador - Coral reef bleaching.



Glaciers melting

126. Bhutan - Melting glaciers- swelling lakes.
127. India - Himalayan glaciers retreating.
128. Argentina - Receding glaciers.
129. Heard Island - Retreating glaciers.
130. Mt. Everest - Melting glacier.
131. Kyrgyzstan - Disappearing glaciers.
132. Venezuela - Disappearing glaciers.
133. Mount Kilimanjaro - Ice projected to disappear.
134. Rwenzori Mountains, Uganda - Disappearing glaciers.
135. Canadian Rockies - Disappearing glaciers.
136. Alaska - Increasing rate of retreat.
137. Greenland - Rapid thinning of ice sheet.



Arctic and Antarctic warming

138. Arctic Ocean - Decreasing ice thickness.
139. Arctic Ocean - Decreasing ice cover.
140. Antarctica - Decreasing ice thickness.
141. Antarctic Peninsula - Collapsing ice shelf.
142. Siberia - Melting permafrost.



Downpours, heavy snowfalls, and flooding

143. Argentina/Uruguay - Worst flooding on record.
144. Southeastern Norway - Wettest year on record.
145. Buenos Aires, Argentina - Heaviest rains in 100 years.
146. Venezuela - Heaviest rainfall in 100 years.



Droughts and fires

147. Iran - Desiccated wetlands, 2001.
148. Pakistan - Longest drought on record.
149. Tajikistan - Lowest rainfall in 75 years, 2001.
150. Korea - Worst drought in 100 years of record.
151. Kenya - Worst drought in 60 years, 2001.
152. Samos Island, Greece - Fires, July 2000.
153. Argentina - Fire outbreak.
154. Lake Chad - Disappearing lake.
155. China - Disappearing lakes, 2001.
156. South Africa - Burning shores, January 2000.