<table>
<thead>
<tr>
<th>YEAR</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>ANNUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1981</td>
<td>.58</td>
<td>1.89</td>
<td>.80</td>
<td>5.80</td>
<td>1.23</td>
<td>3.89</td>
<td>.66</td>
<td>2.47</td>
<td>2.85</td>
<td>5.10</td>
<td>1.35</td>
<td>2.80</td>
<td>29.42</td>
</tr>
<tr>
<td>1982</td>
<td>4.02</td>
<td>1.10</td>
<td>2.66</td>
<td>2.96</td>
<td>1.74</td>
<td>1.06</td>
<td>1.84</td>
<td>3.45</td>
<td>6.54</td>
<td>4.12</td>
<td>3.87</td>
<td>3.78</td>
<td>37.14</td>
</tr>
<tr>
<td>1983</td>
<td>1.44</td>
<td>1.03</td>
<td>2.77</td>
<td>1.98</td>
<td>7.02</td>
<td>.81</td>
<td>2.51</td>
<td>2.43</td>
<td>4.13</td>
<td>5.50</td>
<td>3.75</td>
<td>3.74</td>
<td>35.11</td>
</tr>
<tr>
<td>1984</td>
<td>2.29</td>
<td>2.16</td>
<td>2.99</td>
<td>1.55</td>
<td>3.49</td>
<td>1.89</td>
<td>4.29</td>
<td>4.84</td>
<td>4.78</td>
<td>2.81</td>
<td>3.86</td>
<td>35.98</td>
<td></td>
</tr>
<tr>
<td>1985</td>
<td>2.44</td>
<td>2.75</td>
<td>3.94</td>
<td>2.84</td>
<td>1.72</td>
<td>3.63</td>
<td>4.27</td>
<td>5.19</td>
<td>2.54</td>
<td>4.18</td>
<td>3.20</td>
<td>41.07</td>
<td></td>
</tr>
<tr>
<td>1986</td>
<td>.96</td>
<td>1.83</td>
<td>1.80</td>
<td>1.68</td>
<td>3.91</td>
<td>2.97</td>
<td>3.14</td>
<td>5.72</td>
<td>3.29</td>
<td>1.87</td>
<td>1.36</td>
<td>29.30</td>
<td></td>
</tr>
<tr>
<td>1987</td>
<td>1.31</td>
<td>.61</td>
<td>1.56</td>
<td>2.86</td>
<td>3.13</td>
<td>1.40</td>
<td>5.25</td>
<td>4.65</td>
<td>3.56</td>
<td>3.44</td>
<td>2.73</td>
<td>31.43</td>
<td></td>
</tr>
<tr>
<td>1988</td>
<td>1.96</td>
<td>1.60</td>
<td>2.99</td>
<td>1.17</td>
<td>3.11</td>
<td>3.92</td>
<td>1.97</td>
<td>4.51</td>
<td>3.94</td>
<td>1.12</td>
<td>2.79</td>
<td>27.92</td>
<td></td>
</tr>
<tr>
<td>1989</td>
<td>1.37</td>
<td>1.61</td>
<td>3.32</td>
<td>.98</td>
<td>2.20</td>
<td>2.72</td>
<td>.21</td>
<td>2.79</td>
<td>2.56</td>
<td>3.06</td>
<td>1.17</td>
<td>24.34</td>
<td></td>
</tr>
<tr>
<td>1990</td>
<td>1.55</td>
<td>1.11</td>
<td>1.45</td>
<td>1.36</td>
<td>3.56</td>
<td>6.52</td>
<td>3.88</td>
<td>2.19</td>
<td>3.07</td>
<td>1.42</td>
<td>2.62</td>
<td>1.25</td>
<td>30.44</td>
</tr>
<tr>
<td>1991</td>
<td>.86</td>
<td>5.02</td>
<td>1.97</td>
<td>3.59</td>
<td>.76</td>
<td>3.64</td>
<td>.72</td>
<td>3.06</td>
<td>7.24</td>
<td>2.92</td>
<td>2.74</td>
<td>33.06</td>
<td></td>
</tr>
<tr>
<td>1992</td>
<td>1.55</td>
<td>1.64</td>
<td>2.72</td>
<td>.38</td>
<td>1.19</td>
<td>2.40</td>
<td>2.24</td>
<td>5.60</td>
<td>3.39</td>
<td>5.36</td>
<td>2.20</td>
<td>30.11</td>
<td></td>
</tr>
<tr>
<td>1993</td>
<td>2.73</td>
<td>.43</td>
<td>2.90</td>
<td>2.46</td>
<td>2.69</td>
<td>1.32</td>
<td>3.39</td>
<td>2.72</td>
<td>4.86</td>
<td>3.22</td>
<td>30.70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1994</td>
<td>2.06</td>
<td>1.21</td>
<td>2.15</td>
<td>1.75</td>
<td>2.58</td>
<td>2.92</td>
<td>5.48</td>
<td>2.11</td>
<td>1.40</td>
<td>2.23</td>
<td>.24</td>
<td>27.38</td>
<td></td>
</tr>
<tr>
<td>1995</td>
<td>3.08</td>
<td>1.38</td>
<td>4.08</td>
<td>3.60</td>
<td>1.66</td>
<td>2.27</td>
<td>3.16</td>
<td>4.69</td>
<td>3.34</td>
<td>2.57</td>
<td>35.28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1996</td>
<td>3.74</td>
<td>1.51</td>
<td>4.21</td>
<td>1.51</td>
<td>1.30</td>
<td>5.53</td>
<td>.75</td>
<td>6.53</td>
<td>4.80</td>
<td>1.53</td>
<td>3.51</td>
<td>37.36</td>
<td></td>
</tr>
<tr>
<td>1997</td>
<td>4.03</td>
<td>1.92</td>
<td>1.45</td>
<td>2.47</td>
<td>.54</td>
<td>3.14</td>
<td>2.55</td>
<td>1.84</td>
<td>1.63</td>
<td>2.15</td>
<td>1.16</td>
<td>25.12</td>
<td></td>
</tr>
<tr>
<td>1998</td>
<td>2.81</td>
<td>7.72</td>
<td>1.69</td>
<td>2.63</td>
<td>2.02</td>
<td>1.40</td>
<td>2.68</td>
<td>4.35</td>
<td>1.94</td>
<td>3.90</td>
<td>2.36</td>
<td>33.79</td>
<td></td>
</tr>
<tr>
<td>1999</td>
<td>2.95</td>
<td>1.51</td>
<td>.41</td>
<td>1.37</td>
<td>3.64</td>
<td>4.13</td>
<td>4.83</td>
<td>2.25</td>
<td>3.67</td>
<td>3.13</td>
<td>.93</td>
<td>1.97</td>
<td>30.79</td>
</tr>
<tr>
<td>2000</td>
<td>1.94</td>
<td>2.11</td>
<td>2.53</td>
<td>1.51</td>
<td>1.92</td>
<td>2.18</td>
<td>1.36</td>
<td>3.89</td>
<td>1.95</td>
<td>.89</td>
<td>2.80</td>
<td>1.12</td>
<td>24.20</td>
</tr>
<tr>
<td>2001</td>
<td>2.10</td>
<td>2.13</td>
<td>.33</td>
<td>1.97</td>
<td>3.15</td>
<td>2.59</td>
<td>1.48</td>
<td>4.46</td>
<td>4.86</td>
<td>6.29</td>
<td>2.70</td>
<td>2.89</td>
<td>34.95</td>
</tr>
<tr>
<td>2002</td>
<td>.57</td>
<td>3.91</td>
<td>2.59</td>
<td>2.85</td>
<td>3.62</td>
<td>5.25</td>
<td>.86</td>
<td>3.53</td>
<td>.73</td>
<td>1.53</td>
<td>28.95</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2003</td>
<td>.43</td>
<td>1.27</td>
<td>2.90</td>
<td>2.54</td>
<td>6.10</td>
<td>2.62</td>
<td>3.07</td>
<td>3.33</td>
<td>3.94</td>
<td>1.41</td>
<td>30.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2004</td>
<td>1.03</td>
<td>2.97</td>
<td>2.11</td>
<td>5.43</td>
<td>1.67</td>
<td>1.78</td>
<td>3.20</td>
<td>1.37</td>
<td>4.87</td>
<td>3.17</td>
<td>2.60</td>
<td>31.26</td>
<td></td>
</tr>
<tr>
<td>2005</td>
<td>1.37</td>
<td>.89</td>
<td>.78</td>
<td>1.26</td>
<td>1.47</td>
<td>1.47</td>
<td>2.79</td>
<td>5.07</td>
<td>2.50</td>
<td>1.58</td>
<td>4.20</td>
<td>1.53</td>
<td>24.91</td>
</tr>
<tr>
<td>2006</td>
<td>2.41</td>
<td>.53</td>
<td>1.77</td>
<td>1.75</td>
<td>3.99</td>
<td>.77</td>
<td>2.21</td>
<td>2.78</td>
<td>3.22</td>
<td>5.04</td>
<td>1.25</td>
<td>2.58</td>
<td>27.40</td>
</tr>
<tr>
<td>2007</td>
<td>.56</td>
<td>4.27</td>
<td>1.38</td>
<td>1.09</td>
<td>1.92</td>
<td>2.74</td>
<td>1.21</td>
<td>3.57</td>
<td>4.02</td>
<td>1.18</td>
<td>.66</td>
<td>20.83</td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>1.84</td>
<td>.87</td>
<td>.85</td>
<td>3.32</td>
<td>3.71</td>
<td>3.40</td>
<td>3.39</td>
<td>1.73</td>
<td>2.53</td>
<td>1.87</td>
<td>1.74</td>
<td>28.07</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>.30</td>
<td>1.05</td>
<td>.67</td>
<td>1.04</td>
<td>2.17</td>
<td>1.71</td>
<td>1.53</td>
<td>5.47</td>
<td>1.58</td>
<td>6.05</td>
<td>1.16</td>
<td>2.12</td>
<td>24.02</td>
</tr>
<tr>
<td>2010</td>
<td>.16</td>
<td>.03</td>
<td>.03</td>
<td>1.16</td>
<td>1.55</td>
<td>8.47</td>
<td>1.45</td>
<td>4.07</td>
<td>6.44</td>
<td>1.47</td>
<td>1.39</td>
<td>.50</td>
<td>26.72</td>
</tr>
</tbody>
</table>

**NON-ZERO**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>ANNUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td>30</td>
</tr>
</tbody>
</table>

**ZEROS**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>ANNUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**PROB OF ZERO**

<table>
<thead>
<tr>
<th>YEAR</th>
<th>JAN</th>
<th>FEB</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
<th>ANNUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

**NOTE:** STATISTICS ARE COMPUTED ON THE NON-ZERO VALUES
### PETOSKEY

**DIVISION: 3**

**STATION #6507**

**COUNTY: EMMET**

**PERIOD ANALYSIS FOR 1981 - 2010 (30 YEARS)**

**DATE OF RUN:** 09/13/11

#### PRECIPITATION (INCHES) STATISTICS

| PARAMETER          | JAN     | FEB     | MAR     | APR     | MAY     | JUN     | JUL     | AUG     | SEP     | OCT     | NOV     | DEC     | ANNUAL  |
|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| NUMBER YEARS       | 30      | 30      | 30      | 30      | 30      | 30      | 30      | 30      | 30      | 30      | 30      | 30      | 30      |
| VARIANCE           | 1.177   | .845    | 2.407   | 1.270   | 2.018   | 1.947   | 1.859   | 2.549   | 2.624   | 1.563   | 1.120   | 1.221   | 2.212   |
| STDDEV             | 1.085   | .919    | 1.551   | 1.127   | 1.421   | 1.731   | 1.395   | 1.363   | 1.596   | 1.620   | 1.250   | 1.058   | 4.713   |
| SKW                | .433    | 1.417   | 2.005   | 1.148   | 1.100   | .775    | .013    | .379    | .232    | .126    | .083    | .238    |         |
| GAMMA              | 2.266   | 1.946   | 1.534   | 5.059   | 3.627   | 2.609   | 2.791   | 4.538   | 4.771   | 4.504   | 4.280   | 3.024   | 42.429  |
| PROB OF ZERO       | .00     | .00     | .00     | .00     | .00     | .00     | .00     | .00     | .00     | .00     | .00     | .00     | .00     |

#### LEVELS

<table>
<thead>
<tr>
<th>PROBABILITY PERCENTILE VALUES</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
</tr>
<tr>
<td>05</td>
</tr>
<tr>
<td>10</td>
</tr>
<tr>
<td>20</td>
</tr>
<tr>
<td>25</td>
</tr>
<tr>
<td>30</td>
</tr>
<tr>
<td>40</td>
</tr>
<tr>
<td>50</td>
</tr>
<tr>
<td>60</td>
</tr>
<tr>
<td>70</td>
</tr>
<tr>
<td>75</td>
</tr>
<tr>
<td>80</td>
</tr>
<tr>
<td>90</td>
</tr>
<tr>
<td>95</td>
</tr>
<tr>
<td>99</td>
</tr>
</tbody>
</table>

---

**NOTE:** A MISSING OR INCOMPLETE VALUE, INDICATED BY THE FIELD BEING FILLED WITH 9s, IS NOT INCLUDED IN THE ANALYSIS.