

11-29-20

Quake News & Updates

Earthquake Activity:

In the last three days we have seen **AVERAGE** but **increasing** seismic activity across the world, with a total of **9 earthquakes** at or above **M5.0**.

A total of **17 DEEP** (200+ km) earthquakes have been recorded worldwide over the last three days, which is well **ABOVE AVERAGE**.

- **Largest earthquake to strike in the U.S. (including U.S. territories):** **M4.9**
- **Largest earthquake to strike in Kansas since the previous update:** **M2.7**
- **Largest quake elsewhere in the world since the previous update:** **M5.8**

Summary: Seismic activity is now increasing the past three days, as well as volcanic activity. The **Ring of Fire** has seen significant activity in the past three days. We've also seen a major increase in the number of quakes in **Alaska** the past three days.

I have added a new section on **Solar Weather** now that the new solar cycle is producing increased activity. Solar storms affect the earth in many ways, including seismically, but we do not fully understand these workings, except to say that increased seismic activity is increasingly likely over the next two weeks.

WATCHES & WARNINGS: imminent threats for large earthquakes or tsunamis

- The **WARNING** has now been **extended** for a possible large earthquake with a top-end potential in the **M5.6-6.9 (7.7)** range to strike off the coast of the **Pacific Northwest**, along the **Juan de Fuca** fracture zone. I am expecting this quake to strike "any day."
- The **WATCH** remains in effect for much of **Europe** and the **North Atlantic** for the next 3 days. We have seen increased magnitudes in **Greece, Aegean Sea, Croatia, Albania, Poland, Romania, Switzerland, Algeria, France, Jan Mayen, and Svalbard**, exactly as I had warned.

Long-Term WATCHES: (no specified time frame given as yet)

Earthquakes – U.S.

- **Pacific Northwest** – **Cascadia** mega-thrust quake - **M8.6-9.2** range with **tsunami**
- **Garlock** and/or **San Andreas** faults in southern **California** – **M7.9-8.4** range
- **New Madrid seismic zone** in southeast **Missouri** – **M7.7-8.2** range.

Volcanoes – U.S. (9 out of 10 are ranked by USGS in the top 20 as “**very high risk**”)


- **Kilauea** in **Hawaii** - explosive blow-out eruption - **M6.9-7.2** range
- **Mauna Loa** in **Hawaii** - explosive blow-out eruption – **M6.9-7.9** range
- **Mount Saint Helens** in **Washington** – explosive eruption – **M5.9-6.9** range
- **Mount Rainier** in **Washington** – major eruption with lahars – **M5.9-6.9** range
- **Mount Baker** in **Washington** – major eruption – **M5.9-7.2** range
- **Mount Hood** in **Oregon** – major eruption – **M5.9-7.2** range
- **Mount Shasta** in **California** – moderate eruption – **M5.9-6.6** range
- **Mount Lassen** in **California** – moderate eruption – **M5.9-6.6** range
- **Long Valley Caldera** in **California** – major eruption – **M6.6-7.7** range
- **Yellowstone** in **Wyoming** – moderate to major eruption – **M7.2-8.2** range

Swarms: (swarms now occurring and highest magnitudes in the past three days)

Major swarms continue in **California, Nevada, Hawaii, Mexico, Puerto Rico, and New Zealand**. Smaller swarms continue at **Yellowstone** and in **California**, including at **The Geysers (N), Mammoth Lakes (EC), and near Salton Sea (S)**.

- **Nevada:** **6 quakes**; reaching a high of **M2.5**. **[Decreasing.]**
- **Idaho:** **16 quakes**; reaching a high of **M3.9**. **[Typical.]**
- **Hawaii:** **28 quakes**; reaching a high of **M3.6**. **[Typical.]**
- **Puerto Rico:** **31 quakes**; reaching a high of **M2.9**. **[Decreasing.]**
- **Southern Mexico:** **79 quakes**; reaching a high of **M4.9**. **[Typical.]**
- **New Zealand (48 hrs.):** **130 quakes**; reaching a high of **M5.4**. **[Typical.]**

Pacific Northwest Tremor WATCH:

 Tremors continue in the **Pacific Northwest**. Today, there were two clusters of tremors reported west of **Portland, Oregon**, and west of **Medford, Oregon** with a total of **122 epicenters**. Yesterday, there was one small cluster of tremors northwest of **Medford, Oregon** and one cluster northwest of **Sacramento, California** - this occurring about as far south as we have ever seen with a cumulative total of **23 epicenters**. You can track **Pacific Northwest** tremors here: <https://pnsn.org/tremor>

When the tremors cease, then I will issue a **WARNING** for a large quake with a top end potentially reaching **M8.6-9.2** (mega-quake range) to strike off-coast within **10-15 days**. A catastrophic **tsunami** will occur at this magnitude range, with all coastal areas being totally inundated.


Be aware that a large quake may occur without any specific warning. When (not if) a mega-quake occurs on the **Cascadia**, there will be tens of thousands of casualties. **For more detailed information, request my Special Report: The Big One.**

Rare Quakes:

These are earthquakes occurring in “divers places,” (i.e. diverse, different, various) where earthquakes rarely occur, or that are of higher magnitudes than typical for the region.


- None to report

Solar Weather:

 **Solar flux** has now breached the 100+ range (105-108) for the first time in over three years. Multiple solar storms have been occurring the past few days, but so far, they have not been earth directed. More sunspots are now rotating into earth view and we could see an **M-class solar flare** or stronger in the next few days.


A solar storm on the back side of the sun violently erupted and produced a complete halo effect around the entire circumference of the sun – something we haven’t seen in some time. **Today, the largest solar flare in three years erupted on the backside of the sun. It may have been an X-Class flare.** A coronal mass ejection (CME) occurred, but it did not directly strike earth, however it did knock out some radio transmissions in the **South Pacific**. This same sunspot is now rotating into earth view and we could possibly see a direct hit on the earth, producing a major geo-magnetic storm in the next week. Solar activity has multiple effects on the earth including an intensifying of seismic activity. We now expect increased seismic activity worldwide the next two weeks, so be on **ALERT**.

Volcanic Activity:

 Worldwide volcanic activity has seen a huge increase in the past day and is now at **HIGH** levels, with a total of **13 volcanoes** actively erupting the past three days, producing **56** new emissions or eruptions today and **30** yesterday. Multiple volcanoes in **Indonesia** has sent off high-level explosive eruptions in the past 24-36 hours. [The typical number of volcanoes erupting over a three-day period is **12-13**, while the typical number of volcanic emission/eruption reports is **32-33**.]

- **Lewotolo** volcano eruption multi-camera footage: [Can you see and hear the fear?] <https://www.youtube.com/watch?v=BOvulnVg6rQ>

Yellowstone Status:

 The **Yellowstone** super volcano region remains active. Earthquake magnitudes the past three days in the region have reached **M3.9 (Idaho)**. The on-going swarm of quakes in south central **Idaho** is occurring directly above the deepest magma chamber of the **Yellowstone** super volcano.

All indicators suggest that a **moderate to major eruption** will occur at **Yellowstone** in the not-too-distant future, but **an eruption does NOT appear to be imminent**.

A major buildup of seismic activity is expected to occur weeks to months **BEFORE** any major eruption occurs at **Yellowstone**. We should also expect to see: **1)** a significant rise in temperatures in the hot springs, rivers, and ground surface, **2)** an increase in the “die off” of vegetation inside the caldera, **3)** increased ground deformation, **4)** increased geyser activity, **5)** regular repeated seismic drumbeats 1-2 minutes apart at shallow depths, and **6)** an increase in harmonic tremors. We should see a significant and accelerated increase across the board in all these things prior to any major eruption event.

What may begin as a moderate eruption, similar in size to the **Mount St. Helens** eruption in 1980, could, in a worst-case scenario, lead to a major catastrophic super-eruption with multiple vents, affecting most of the continental **U.S.** and beyond.

New Madrid Seismic Zone Status:

The **New Madrid** region has been quiet with **no hot spots** appearing for the past three days and **no quakes** of any size.

EARTHQUAKE REPORTS:

new earthquakes occurring since the last update

USA – All M2.5 and greater earthquakes

Directional portion of the state indicated in ().

ALASKA:

Magnitude

Location

M4.9	Andreanof Islands, Aleutians (W)
M4.6	Fox Islands, Aleutians (W)
M4.3	Alaska Peninsula (W)
M4.0	Cook Inlet (S)
M3.6, (2) M3.1	NW of Juneau (SE)
M3.6	Off coast, south of Alaska Peninsula (SW)
M3.6	West of Cook Inlet (S)
M3.4	Rat Islands, Aleutians (W)
M3.3, M2.6	Kenai Peninsula (S)
M3.3	West of Kotzebue (N)
M3.2	Off coast, south of Kodiak Island (S)
M3.1, M2.5	Near Anchorage (S)
M3.1	Offshore, western Kodiak Island (S)
(2) M2.8	East of Mt. McKinley (C)
M2.7	NE of Anchorage (C)
M2.6	West of Fairbanks (C)
M2.5	SW of Valdez (S)

CALIFORNIA:

M3.7	Offshore, SW of Eureka (N)
M3.1	SE of San Bernardino (S)
M3.0	NE of Ridgecrest (EC)
M2.8	SW of Salton Sea (S)
M2.5	East of Barstow (S)
M2.5	Offshore, SW of Lompoc (S)

KANSAS: All M2.3 and greater quakes reported with specs.

Nov. 26	4:27 p.m.	M2.7	Sedgwick county	East Wichita (SC)
Nov. 27	12:27 p.m.	M2.6	Sedgwick county	East Wichita (SC)

USGS typically fails to report approximately 90% of all Kansas quakes. For more accurate quake reporting: <http://www.kgs.ku.edu/Geophysics/Earthquakes/>

OTHER U.S. & NEARBY REGIONS: If the region is specifically named as a target in the current earthquake forecast, there is a check mark (✓) in front of it.

✓Yellowstone	16 quakes to M3.9 [S]	SE & central Idaho (C)
✓Hawaii	28 quakes to M3.6 [S]	Island of Hawaii (S)

✓Baja of California	M3.6	Northern Baja (N)
✓Texas	M3.3	SE of Pecos (W)
Queen Charlotte Islands	M3.0	NW of Vancouver Island (NW)
✓Puerto Rico	31 quakes to M2.9 [S]	Off coast, south of Puerto Rico (S)
✓Nevada	6 quakes to M2.5 [S]	West of Tonopah (SW)
✓Oklahoma	M2.5	NW of Pawnee (N)

International – All **M4.9** and greater earthquakes occurring worldwide since the last update. Deep earthquakes (over 200 km) are designated with the letter “D” following the magnitude. If the region is specifically named as a target in the current forecast, there is a (✓) in front of it.

✓Argentina	M5.8	Salta (N)
✓Vanuatu	M5.6	Off coast, central islands (C)
✓Tonga	M5.5, M4.9	Off coast, NE of Tonga (NE)
✓New Zealand	M5.4D	Off coast, Kermadec Islands (N)
✓Kuril Islands	M5.3	Off coast, northern islands (N)
✓Southern Mid-Atlantic Ridge	M5.1	SE of Brazil (SE)
Southern East Pacific Rise	M5.1	Off coast, west of southern Chile (S)
✓South Sandwich Islands	M5.0	Off coast, NW of the islands (NW)
✓Mid-Indian Ridge	M5.0	Off coast, SE of Madagascar (SE)
✓Solomon Islands	M5.0	Central Islands (SC)
✓Iran	M4.9	NW of Dubai , southern Iran (S)
✓Taiwan	M4.9	Off coast, east of Taiwan (E)
✓Philippines	M4.9	Off coast, Samar Sea (C)
✓Mexico	M4.9	NE Chiapas (S)

Note: 93.3% (14 of 15) of the world’s largest earthquakes that struck the past three days were specifically named by region and forecasted BEFORE they occurred, as indicated by the checkmarks (✓) above. See the Earthquake Forecasts section below for proof.

EARTHQUAKE FORECAST: (1 day; 7 days)

The parenthesis above indicates number of days left in the two overlapping forecasts. **Blue font below indicates the most recent forecast or updated magnitudes.** The highest magnitude quake in each region is highlighted in yellow. Red font indicates potential **M7.0+** magnitude. The number inside the () below indicates the highest potential forecast magnitude. **Actual** magnitudes indicate the highest magnitude quake to strike the forecast target region.

<u>Region</u>	<u>Forecasted Magnitude Range</u>	<u>Actual</u>
<div>USA</div> <div>Blue font represents newest forecast areas and/or recently updated magnitudes.</div>		
1. Aleutian Islands – Alaska Peninsula	M4.5-5.5 (5.6)	M4.7
2. Aleutian Islands – Alaska Peninsula	M4.6-5.6 (5.9)	M4.9
3. Northern – Central Alaska	M3.0-3.6 (3.8)	M3.4
4. Northern – Central Alaska	M3.2-3.6 (3.9)	M3.3
5. Southern Alaska	M3.6-4.6 (4.9)	M4.7
6. Southern Alaska	M3.8-4.8 (4.9)	M4.0
7. Washington	M2.8-4.4 (4.6)	
8. Washington	M2.8-4.4 (4.6)	
9. NW CA – Oregon – Vancouver Island (off-coast)	M4.6-6.9 (7.7)	M3.7
10. NW CA – Oregon – Vancouver Island (off-coast)	M3.9-6.6 (7.7)	
11. Northern California	M3.4-5.4 (6.2)	M3.7
12. Northern California	M3.4-5.0 (6.4)	
13. Central California	M3.2-5.2 (5.9)	M3.0
14. Central California	M3.0-4.9 (5.6)	
15. Southern CA – northern Baja/Gulf of California	M3.6-5.4 (6.0)	M3.6
16. Southern CA – northern Baja/Gulf of California	M3.6-5.6 (5.9)	M3.1
17. Yellowstone	M3.6-4.8 (5.4)	M4.0
18. Yellowstone	M3.4-4.4 (4.8)	
19. Utah	M2.6-4.4 (4.8)	M2.0
20. Utah	M2.6-4.2 (4.8)	
21. Nevada	M3.4-4.7 (5.0)	M3.5
22. Nevada	M3.4-4.4 (4.9)	
23. West Texas	M3.2-3.9 (4.9)	M3.3
24. West Texas	M3.2-3.8 (4.8)	M3.3
25. Northern Oklahoma	M2.9-3.9 (4.5)	M2.5
26. Northern Oklahoma	M2.8-3.8 (4.4)	
27. Central Kansas	M2.3-3.4 (4.0)	M2.7
28. Central Kansas	M2.5-3.2 (4.2)	M2.6
29. New Madrid, Missouri	M2.3-3.6 (5.6)	M1.3
30. New Madrid, Missouri	M2.3-3.4 (4.9)	
31. Hawaii	M3.2-4.4 (5.0)	M3.3
32. Hawaii	M3.2-4.4 (5.3)	M3.6

Caribbean

33. Cayman Islands – Cuba – Jamaica – Haiti	M3.2-4.0 (4.8)	M4.4
34. Cayman Islands – Cuba – Jamaica – Haiti	M3.2-4.4 (4.9)	M3.0
35. Puerto Rico – Dominican Republic	M3.4-4.6 (5.0)	M3.6
36. Puerto Rico – Dominican Republic	M4.2-4.8 (5.2)	M4.7
37. Virgin Islands	M3.4-4.4 (4.9)	M3.6
38. Virgin Islands	M3.6-4.2 (4.8)	M4.2
39. Caribbean	M3.6-4.9 (5.4)	M4.4
40. Caribbean	M4.4-4.9 (5.5)	M4.7

Mexico - Central America

41. Gulf/Baja of California	M4.0-4.4 (4.9)	M4.0
42. Gulf/Baja of California	M4.0-4.5 (4.9)	M3.6
43. Southern Mexico	M4.6-4.9 (5.9)	M4.6
44. Southern Mexico	M4.4-5.4 (5.9)	M4.6
45. Guatemala	M4.0-4.8 (5.9)	M3.6
46. Guatemala	M4.2-4.9 (5.9)	M3.5
47. El Salvador – Nicaragua	M4.2-4.7 (5.2)	M4.7
48. El Salvador – Nicaragua	M4.2-4.9 (5.4)	
49. Costa Rica – Panama	M4.4-5.4 (6.0)	M4.4
50. Costa Rica – Panama	M4.4-4.9 (5.7)	M4.1

South America

51. Ecuador – Columbia	M4.6-5.6 (6.4)	M4.2
52. Ecuador – Columbia	M4.6-5.6 (6.4)	M3.6
53. Peru	M4.5-5.4 (6.4)	M4.7
54. Peru	M4.6-5.6 (6.4)	M4.7
55. SW Bolivia	M3.4-4.6 (5.4)	M4.0
56. SW Bolivia	M3.4-4.4 (5.4)	
57. Northern Chile	M5.0-5.6 (6.4)	M5.6
58. Northern Chile	M4.4-5.6 (6.0)	M4.1
59. Central – Southern Chile	M4.9-6.0 (6.6)	M6.1
60. Central – Southern Chile	M4.6-6.2 (6.6)	
61. Northern Argentina	M4.7-5.2 (5.4)	M4.9
62. Northern Argentina	M4.8-5.4 (5.6)	M5.8
63. Easter Island – West Chile Rise	M4.6-5.6 (6.1)	M5.7
64. Easter Island – West Chile Rise	M4.6-5.6 (6.2)	
65. S. Sandwich Islands – S. Shetland Islands – Bouvet	M5.2-6.0 (6.4)	M5.0
66. S. Sandwich Islands – S. Shetland Islands – Bouvet	M5.2-6.2 (6.4)	

South Pacific

67. Fiji – Tonga – Samoa	M5.2-6.0 (6.2)	M5.3
68. Fiji – Tonga – Samoa	M5.2-6.0 (6.2)	M5.5
69. Vanuatu – New Caledonia – Loyalty Islands	M4.9-5.9 (6.4)	M5.6
70. Vanuatu – New Caledonia – Loyalty Islands	M5.0-6.4 (6.9)	
71. Solomon Islands – Santa Cruz Islands	M4.7-5.9 (6.4)	M4.6
72. Solomon Islands – Santa Cruz Islands	M4.9-6.4 (6.9)	M5.0
73. New Zealand – Kermadec Islands – Macquarie Island	M4.9-5.7 (6.0)	M6.1
74. New Zealand – Kermadec Islands – Macquarie Island	M5.2-6.2 (6.4)	M5.4
75. Papua New Guinea	M4.9-5.9 (6.4)	M5.3
76. Papua New Guinea	M4.9-5.9 (6.4)	M4.6
77. Western Australia	M3.2-4.2 (5.0)	
78. Western Australia	M3.2-4.6 (5.0)	

Southeast Asia – West Pacific

79. East Timor – Banda Sea – Ceram Sea - Papua	M4.8-5.6 (6.0)	M5.3
80. East Timor – Banda Sea – Ceram Sea – Papua	M4.7-6.4 (6.9)	M4.7
81. Java – Lombok – Bali – Sumbawa	M4.6-5.9 (6.4)	M4.6
82. Java – Lombok – Bali – Sumbawa	M4.6-6.4 (6.9)	M4.7
83. Sumatra – Andaman Islands – Nicobar Islands	M4.9-5.9 (6.4)	M4.9
84. Sumatra – Andaman Islands – Nicobar Islands	M4.8-6.4 (6.9)	M4.7
85. Halmahera, Indonesia – Celebes Sea – Molucca Sea	M4.7-5.7 (6.0)	M4.7
86. Halmahera, Indonesia – Celebes Sea – Molucca Sea	M4.7-6.2 (6.6)	M4.5
87. Guam – Saipan – Mariana Islands – Micronesia	M4.7-5.2 (5.5)	M5.4
88. Guam – Saipan- Mariana Islands – Micronesia	M4.9-5.9 (6.4)	M4.2
89. Philippines	M4.9-5.7 (6.4)	M4.9
90. Philippines	M4.9-6.4 (6.6)	

Asia

91. Taiwan – Okinawa	M4.9-5.4 (5.6)	M4.9
92. Taiwan – Okinawa	M4.9-5.9 (6.4)	
93. Japan	M5.2-5.7 (6.0)	M5.5
94. Japan	M5.2-5.7 (6.2)	
95. Kuril Islands – S. Kamchatka, Russia	M4.7-5.7 (6.4)	M5.3
96. Kuril Islands – S. Kamchatka, Russia	M4.7-5.4 (6.4)	M4.7
97. China	M4.6-5.4 (5.6)	M4.6
98. China	M4.6-5.4 (5.6)	M4.5

India - Middle East

99.	India – Pakistan – Kashmir	M4.6-4.9 (5.4)	M3.6
100.	India – Pakistan – Kashmir	M4.6-5.0 (5.4)	
101.	Mid-Indian Ridge – Carlsberg Ridge – Indian Ocean	M4.6-5.0 (5.4)	M5.1
102.	Mid-Indian Ridge – Carlsberg Ridge – Indian Ocean	M4.6-5.2 (5.5)	M5.0
103.	NE Afghanistan – Tajikistan	M4.3-5.3 (5.4)	M4.8
104.	NE Afghanistan – Tajikistan	M4.4-4.9 (5.4)	M4.0
105.	Iran	M4.4-5.2 (5.4)	M4.9
106.	Iran	M4.4-5.4 (5.6)	
107.	Turkey – Cyprus	M4.0-4.8 (5.2)	M4.6
108.	Turkey – Cyprus	M4.2-4.9 (5.4)	M3.6

Europe - Mediterranean

109.	Greece – Aegean Sea – Crete – Ionian Sea	M4.2-5.2 (5.6)	M4.2
110.	Greece – Aegean Sea – Crete - Ionian Sea	M4.6-5.8 (6.0)	M3.5
111.	Italy – Adriatic Sea – Tyrrhenian Sea	M3.2-4.2 (4.4)	M2.6
112.	Italy – Adriatic Sea – Tyrrhenian Sea	M3.4-4.6 (4.8)	
113.	Albania – North Macedonia	M3.0-3.9 (4.9)	M2.8
114.	Albania – North Macedonia	M2.8-3.8 (4.8)	M2.5
115.	Croatia	M1.9-2.9 (3.9)	M2.0
116.	Croatia	M1.8-2.8 (3.6)	
117.	Eastern Romania	M3.2-4.2 (4.6)	M3.6
118.	Eastern Romania	M3.4-4.2 (4.4)	M3.7
119.	Poland	M2.8-3.8 (4.4)	
120.	Poland	M2.8-3.6 (4.4)	
121.	Switzerland	M2.0-2.9 (4.0)	M2.3
122.	Switzerland	M2.0-2.6 (3.6)	
123.	France – Pyrenees	M2.9-3.9 (4.4)	M3.8
124.	France – Pyrenees	M3.0-3.6 (4.2)	M3.0
125.	Gibraltar – S. Spain – N. Algeria – Morocco	M3.9-4.9 (5.4)	M5.3
126.	Gibraltar – S. Spain – N. Algeria – Morocco	M3.6-4.6 (4.9)	M3.7

Mid-Atlantic Ridge

127.	Azores – Canary Islands – Madeira Islands	M3.6-5.4 (5.6)	M3.8
128.	Azores – Canary Islands – Madeira Islands	M3.6-5.2 (5.4)	
129.	Iceland – Jan Mayen – Svalbard – Reykjanes Ridge	M3.4-5.6 (5.9)	M3.7
130.	Iceland – Jan Mayen – Svalbard – Reykjanes Ridge	M3.5-5.0 (5.4)	
131.	Mid-Atlantic Ridge	M5.0-5.9 (6.2)	M5.1
132.	Mid-Atlantic Ridge	M5.2-6.0 (6.2)	

Earthquake Forecast Accuracy

Margin of error:

- Within one magnitude on forecast magnitude range
- Within 24 hours on time frame
- Within 250 miles on regional location

Overall Accuracy: 146 consecutive forecasts (6-10-18 through 11-26-20), accurately forecasted a total of **8,103 earthquakes** worldwide.

Overall Accuracy: 57 consecutive forecasts (6-10-18 through 6-9-19)

- **100%** on specifically named regional target hits (**2,695 of 2,695**)
- **99.5%** on forecasted magnitudes and time frames (**2,682 of 2,695**)

Overall Accuracy: 62 consecutive forecasts (6-15-19 through 6-16-20)

- **100%** on specifically named regional target hits (**3,614 of 3,614**)
- **99.8%** on forecasted magnitudes and time frames (**3,607 of 3,614**)

Overall Accuracy: 27 consecutive forecasts (6-17-20 through 11-26-20)

- **100%** on specifically named regional target hits (**1,771 of 1,771**)
- **99.9%** on forecasted magnitudes and time frames (**1,769 of 1,771**)

Accuracy rating on forecast ending 11-14-20:

- **100%** on specifically named regional target hits (**64 of 64**)
- **100%** on forecasted magnitudes and time frame (**64 of 64**)

Accuracy rating on forecast ending 11-20-20:

- **100%** on specifically named regional target hits (**66 of 66**)
- **100%** on forecasted magnitudes and time frame (**66 of 66**)

Accuracy rating on current forecast ending 11-26-20:

- **100%** on specifically named regional target hits (**63 of 63**)
- **100%** on forecasted magnitudes and time frame (**63 of 63**)

EARTHQUAKE FORECASTING PRINCIPLES:

The numbers and magnitudes of earthquakes continues gradually rising in **Hawaii** over the past several months. **Kilauea** volcano is “recharging” as the magma continues to rise toward a new eruption. I successfully forecasted to the day the **M6.9** quake and explosive eruption that blew out the volcano back in 2018. While I don’t generally forecast volcanic eruptions, I have done so with very high accuracy on a few occasions.

Kilauea will erupt again in the not-too-distant future as the culmination of the current on-going buildup. With the whole of the Pacific plate being disturbed now with multiple moderate to large quakes and volcanic eruptions, it stands to reason that **Hawaii**, in the center of the Pacific plate, is under pressure and should see an increase in seismic activity at its many volcanic sites as is now happening.

I continue to closely monitor **Hawaii** seismic activity and keep my readers up to date on what is happening of significance there. Hopefully, as we get closer to the actual eruption, I will be able to provide a specific forecast, but not yet.

PREP TIPS:

The panic buying has already begun exactly as I forecasted. Many things that were in short supply at the beginning of the corona virus outbreak are again disappearing from the shelves. It is prudent when you go to the store, that you stock up on items that you use regularly. Buying an extra item or two is not hoarding; it is simply common-sense wisdom.

Such things as paper goods, cleaning supplies, batteries, cooking oils, vinegar, salt, and long-term storage type foods that don’t require refrigeration (canned and dried foods) are some of the types of things you should be adding to your pantry and continuing to add as you are able to do so.

NEWS, LINKS, & RESOURCES:

After scientists repeatedly state that earthquake prediction is impossible, an article on the **M6.5** quake in **Idaho** a few months ago now claims that a scientist did predict this quake. But read the fine print.

<https://www.deseret.com/u-s-world/2020/4/2/21204442/idaho-earthquake-magnitude-us-gs-glenn-thackray>

The article claims Glenn Thackray predicted this quake 10 years ago. Of course, he did not say when the quake would occur or that it would be a **M6.5**, only that a big quake would happen in **Idaho** sometime in the future. This is a misleading claim to say that he “predicted” this quake. He did nothing of the kind.

Suppose I said that “someday there will be a big quake in **California**,” or “someday there will be a large tornado in **Kansas**,” and then when a big quake or big tornado strikes sometime in the next decade I will “after the fact” claim that I predicted it. This is hardly any sort of useful prediction. Maybe someone was hard up for a news story to fill up some space in the evening news. I once saw an advertisement in the Classified section of a newspaper that read as follows: “This ad is dedicated to Phillip Space.”

This is why I am absolutely transparent in all my earthquake forecasts. You see my written forecasts BEFORE quakes happen and then after the forecast time frame I report what happened and the statistical accuracy. Readers can track the earthquakes using on-line official reporting agencies as they happen and see if I am correct or not. There are no “after-the-fact” claims that I predicted something that wasn’t written down and published before it happened.

Disclaimer: These earthquake forecasts are based upon data published on public feeds by official reporting agencies, including USGS, PNSN, EMSC, GEONET, KGS, and others. If the data is inaccurate, incomplete, or censored, then any interpretations of this data will be subject to error. I take no responsibility for any of these agencies’ inadvertent errors, purposeful obfuscation, or censorship of data.

All forecasts are based entirely on my own personal research and are not approved or sanctioned by USGS or any official agencies. There are no guarantees stated or implied. Readers are under no obligation to follow any recommendations or conclusions presented in these reports.

If you have “felt it” reports of earthquakes or volcanic activity in your home area or where you are traveling, please send a descriptive report via e-mail. Please send any photos you may have of such events or aftermath damages.

If you find this information interesting and useful, please share it widely. Subscriptions to this **Earthquake Alert** e-list are still FREE at the current time, so please encourage friends, family, and others to subscribe.

Issues of **Quake News & Updates** are published every three days. **Breaking News** bulletins of significant earthquakes or major volcanic events are issued as the events unfold.