*Summary*

**NSW DCP Summary Statement for March 1, 2025 Monitoring Period:**

* NSW DCP monitoring stage lowered to Stage 0: No Drought.
* The Santiam Basin Snowpack is Stage 2 with 59% of the median Snow-Water Equivalent as of March 1, up 11% from February 1. All other indicators are Stage 0.
* Future trend indicators show the conditions may be improving. Noaa’s one-month outlooks forecast below normal temperatures and above average precipitation while the three-month outlooks forecast below normal temperatures and near-average precipitation. The Detroit Lake Inflow Forecast through September is unavailable as of March 12. The forecast on February 1 was 92% of the median.

Check out the [UMRB Drought Indicators Map](https://drought.climate.umt.edu/?name=NorthSantiam) for more detailed drought data including groundwater trends, vegetation health, a standardized precipitation index, soil moisture, and more. Simply choose the variables you would like to see in the dropdown bar in the Control Panel on the left side of the map.

*Future Trend Indicators*

|  |  |  |
| --- | --- | --- |
|  |  |  |
| ***Category*** | ***Description*** | [***1-Month Temp. Outlook***](http://www.cpc.ncep.noaa.gov/) | [***3-Month Temp. Outlook***](http://www.cpc.ncep.noaa.gov/) | [***1-Month Precip. Outlook***](http://www.cpc.ncep.noaa.gov/) | [***3-Month Precip. Outlook***](http://www.cpc.ncep.noaa.gov/) | [***NRCS Summary Report, Detroit Lake Inflow Forecast (Current month thru September, % Median)***](https://www.nrcs.usda.gov/wps/portal/wcc/home/snowClimateMonitoring/snowpack/basinDataReports/) |
| +1 | Trend Improving | **Below mean temps predicted** | Below mean temps predicted | **Above mean precip predicted** | **Above mean precip predicted** | >115 |
| 0 | Trend Neutral or Mixed | Normal temps predicted | **Normal temps predicted** | Normal precip predicted | Normal precip predicted | 115 to 85 |
| -1 | Trend Worsening | Above mean temps predicted | Above mean temps predicted | Below mean precip predicted | Below mean precip predicted | <85 |

*Drought Stage Calculator*

|  |  |  |
| --- | --- | --- |
| Drought Stage | Enter # of Indicators Per Stage from Table 7 | Multiply Column 1 x Column 2 |
| 0 | 10 | 0 |
| 1 | 0 | 0 |
| 2 | 1 | 2 |
| 3 | 0 | 0 |
| 4 | 0 | 0 |
|  | **(a) Total of Column 3** | **=2** |
|  | **(b) #of indicators recorded this monitoring period** | **=11** |
|  | **Divide (a) by (b) and then round to whole number** | **= Drought Stage 0** |

|  |  |  |
| --- | --- | --- |
| Date: March 1, 2025 |  | Indicators and Indices |
|  |  | National Indices | NSW Climate Indicators | NSW Hydrologic Indicators | NSW Environmental Indicator | NSW Socioeconomic Indicator |
| NSW Drought Stage | Definition/Possible Impacts | [US Drought Monitor (Weekly Update)](http://droughtmonitor.unl.edu/) | [Air Temperatures](http://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php?tab=6" \o "Scroll down to \"Western Oregon--Santiam River Basin\" enter last full month's data)[(1 month departure from normal,](http://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php?tab=6" \o "Scroll down to \"Western Oregon--Santiam River Basin\" enter last full month's data) [o](http://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php?tab=6" \o "Scroll down to \"Western Oregon--Santiam River Basin\" enter last full month's data)[F)](http://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php?tab=6" \o "Scroll down to \"Western Oregon--Santiam River Basin\" enter last full month's data) | [Precip.](http://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php?tab=4" \o "Scroll down to \"Western Oregon--Santiam River Basin\" enter percent of normal value)[(% of Normal for Water Year)](http://www.nwrfc.noaa.gov/water_supply/wy_summary/wy_summary.php?tab=4" \o "Scroll down to \"Western Oregon--Santiam River Basin\" enter percent of normal value) | [Snowpack](https://www.nrcs.usda.gov/wps/portal/wcc/home/snowClimateMonitoring/snowpack/basinDataReports/%22%20%5Co%20%22Query%20for%20most%20recent%20Oregon%20SnowPack%20report.%20Then%20scroll%20to%20%5C%22North%20Santiam%5C%22%20and%20enter%20value%20for%20%25%20Median%20Basin%20Index)[(% normal SWE)](https://www.nrcs.usda.gov/wps/portal/wcc/home/snowClimateMonitoring/snowpack/basinDataReports/%22%20%5Co%20%22Query%20for%20most%20recent%20Oregon%20SnowPack%20report.%20Then%20scroll%20to%20%5C%22North%20Santiam%5C%22%20and%20enter%20value%20for%20%25%20Median%20Basin%20Index) | [Detroit Reservoir (Percent above water control diagram)](http://pweb.crohms.org/nwp/teacup/willamette/) | [USGS 7-day Flow (drought),](http://waterwatch.usgs.gov/index.php?mt=pa07d_dry&usst=or&ushuc=&go=GO&st=or&id=wwgmap_viewer" \o "Zoom in and click on Greens Bridge near Jefferson gage. Enter \"class\" and \"percentile\" values.)[N. Santiam @ Greens Bridge near Jefferson (Class, Percentile)](http://waterwatch.usgs.gov/index.php?mt=pa07d_dry&usst=or&ushuc=&go=GO&st=or&id=wwgmap_viewer" \o "Zoom in and click on Greens Bridge near Jefferson gage. Enter \"class\" and \"percentile\" values.) | [USGS 7-day Flow (drought),](http://waterwatch.usgs.gov/index.php?mt=pa07d_dry&usst=or&ushuc=&go=GO&st=or&id=wwgmap_viewer" \o "Zoom in and click on Mehama gage. Enter \"class\" and \"percentile\" values.)[N. Santiam @ Mehama (Class, Percentile)](http://waterwatch.usgs.gov/index.php?mt=pa07d_dry&usst=or&ushuc=&go=GO&st=or&id=wwgmap_viewer" \o "Zoom in and click on Mehama gage. Enter \"class\" and \"percentile\" values.) | [USGS 7-day Flow (drought),](http://waterwatch.usgs.gov/index.php?mt=pa07d_dry&usst=or&ushuc=&go=GO&st=or&id=wwgmap_viewer" \o "Zoom in and click on \"Below Boulder Creek\" gage. Enter \"class\" and \"percentile\" values.)[N. Santiam @ Below Boulder Creek](http://waterwatch.usgs.gov/index.php?mt=pa07d_dry&usst=or&ushuc=&go=GO&st=or&id=wwgmap_viewer" \o "Zoom in and click on \"Below Boulder Creek\" gage. Enter \"class\" and \"percentile\" values.)[(Class, Percentile)](http://waterwatch.usgs.gov/index.php?mt=pa07d_dry&usst=or&ushuc=&go=GO&st=or&id=wwgmap_viewer" \o "Zoom in and click on \"Below Boulder Creek\" gage. Enter \"class\" and \"percentile\" values.) | [Stream Water Temp, N. Santiam @ Greens Bridge near Jefferson](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.)[(](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.)[o](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.)[C above TMDL threshold, Sept 1 – June 15 = 13.0](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.)[o](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.)[C](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.)[June 16 – Aug 31 = 16.0](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.)[o](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.)[C)](http://waterdata.usgs.gov/nwis/uv?cb_00010=on&format=gif_stats&site_no=14184100" \o "Review temperature graph, check that past 7-days is showing. Average the daily highs and lows (celsius) in past 7 days and subtract the TMDL threshold (for appropriate time of year) from this value . Enter result below.) | [Wildfire Hazard](https://www.fs.usda.gov/main/willamette/fire%22%20%5Co%20%22Enter%20fire%20hazard%20class%20shown%20on%20map)[(ODF/National Fire Danger Rating System)](https://www.fs.usda.gov/main/willamette/fire%22%20%5Co%20%22Enter%20fire%20hazard%20class%20shown%20on%20map) | [Detroit Reservoir --Boat Ramps Served](http://pweb.crohms.org/nwp/teacup/willamette/%22%20%5Co%20%22Hover%20over%20Detroit%20dam%20symbol%20%28not%20the%20tea%20cup%29%20and%20record%20the%20elevation%20shown.)[(key elevations, feet)](http://pweb.crohms.org/nwp/teacup/willamette/%22%20%5Co%20%22Hover%20over%20Detroit%20dam%20symbol%20%28not%20the%20tea%20cup%29%20and%20record%20the%20elevation%20shown.) | [Salem Water Supply Availability](http://waterwatch.usgs.gov/index.php?id=pa07d&sid=w__gmap&r=or" \o "Zoom in and click on Mehama gage. Enter \"discharge\" value. Also record \"% normal (mean)\" value as supplemental information.)[(7-day discharge in cfs at Mehama gauge)(also record percent of normal-mean as supplemental info)](http://waterwatch.usgs.gov/index.php?id=pa07d&sid=w__gmap&r=or" \o "Zoom in and click on Mehama gage. Enter \"discharge\" value. Also record \"% normal (mean)\" value as supplemental information.) |
|  | Indicator Monitoring Period | All Year | All Year | All Year | Dec 1 – May 1 | All Year | All Year | All Year | All Year | All Year | All Year | April 1- Sept 30 | All Year |
|  | ***Enter Data in This Row*** | **None** | **-1.9 °F** | **111%** | **59%** | **-2.6** | **Normal** | **Normal**  | **Above Normal** | **-8.0 °C** | **Low** | N/A | **3,116 cfs****(87.2% of mean)** |
| (Stage 0)No Drought | Indicator is not in a drought condition | **None** | **<0.5** | **>80** | >70 | **>-3** | **>24** | **>24** | **>24** | **<-1.0** | **Low** | >1,558 | **>1,000 cfs** |
| (Stage 1)Heads Up –Potential for Drought | Current conditions (e.g., low snowpack) point to the potential for upcoming drought conditions. | D0 | 0.5 to 2 | 80 to 71  | 70 to 61 | -3 to -10 | Below Normal (24 to 10) | Below Normal (24 to 10) | Below Normal (24 to 10) | -1.0 to 0.0 | Moderate | 1,558 to > 1,556(based on 2 ft above highest boat ramp elevation --State Park Boat Ramp D) | <=1,000 cfs |
| (Stage 2)ModerateDrought | Some damage to crops, pastures Streams, reservoirs, or wells low.Some water shortages developing or imminentVoluntary water-use restrictions may be requested Some stress to fish and wildlife | D1 | 2 to 4 | 70 to 61 | **60 to 51** | -11 to -30 | Moderate Hydrologic Drought(9 to 6) | Moderate Hydrologic Drought(9 to 6) | Moderate Hydrologic Drought(9 to 6) | * 1. to 2.0
 | High | 1,555 to1,540(State Park Boat Ramp D to Mongold East Boat Ramp | <= 900 cfs |
| (Stage 3)SevereDrought | Crop or pasture losses likelyWater shortages commonWater restrictions imposedConsiderable stress to fish and wildlife | D2 | 4 to 6 | 60 to 41 | 50 to 21 | -31 to -50 | Severe Hydrologic Drought(<=5) | Severe Hydrologic Drought(<=5) | Severe Hydrologic Drought(<=5) | 2.1 to 4.0 | Very High | 1,539 to 1,450(Mongold main boat ramp to State Park Boat Ramp G) | <= 800 cfs |
| (Stage 4)ExtremeDrought | Widespread crop/pasture lossesShortages of water in reservoirs, streams, and wells creating water emergenciesExtreme stress to fish and wildlife | D3 or 4 | 6 or greater | 40 or less | 20 or less | -51 or less | Extreme hydrologic drought(New low) | Extreme hydrologic drought(New low) | Extreme hydrologic drought(New low) | 4.1 or greater | Extreme | <= 1,450(below Mongold low-water boat ramp) | <= 700 cfs |
| **Note:** The Class Percentile for [USGS 7-day Flow (drought), N. Santiam @ Greens Bridge near Jefferson](http://waterwatch.usgs.gov/index.php?mt=pa07d_dry&usst=or&ushuc=&go=GO&st=or&id=wwgmap_viewer) was not ranked. Note: The monitoring period for % of Median snowpack is December 1 through May 1.  |