

Tropical Cyclone Twentysix - Estimated Impacts

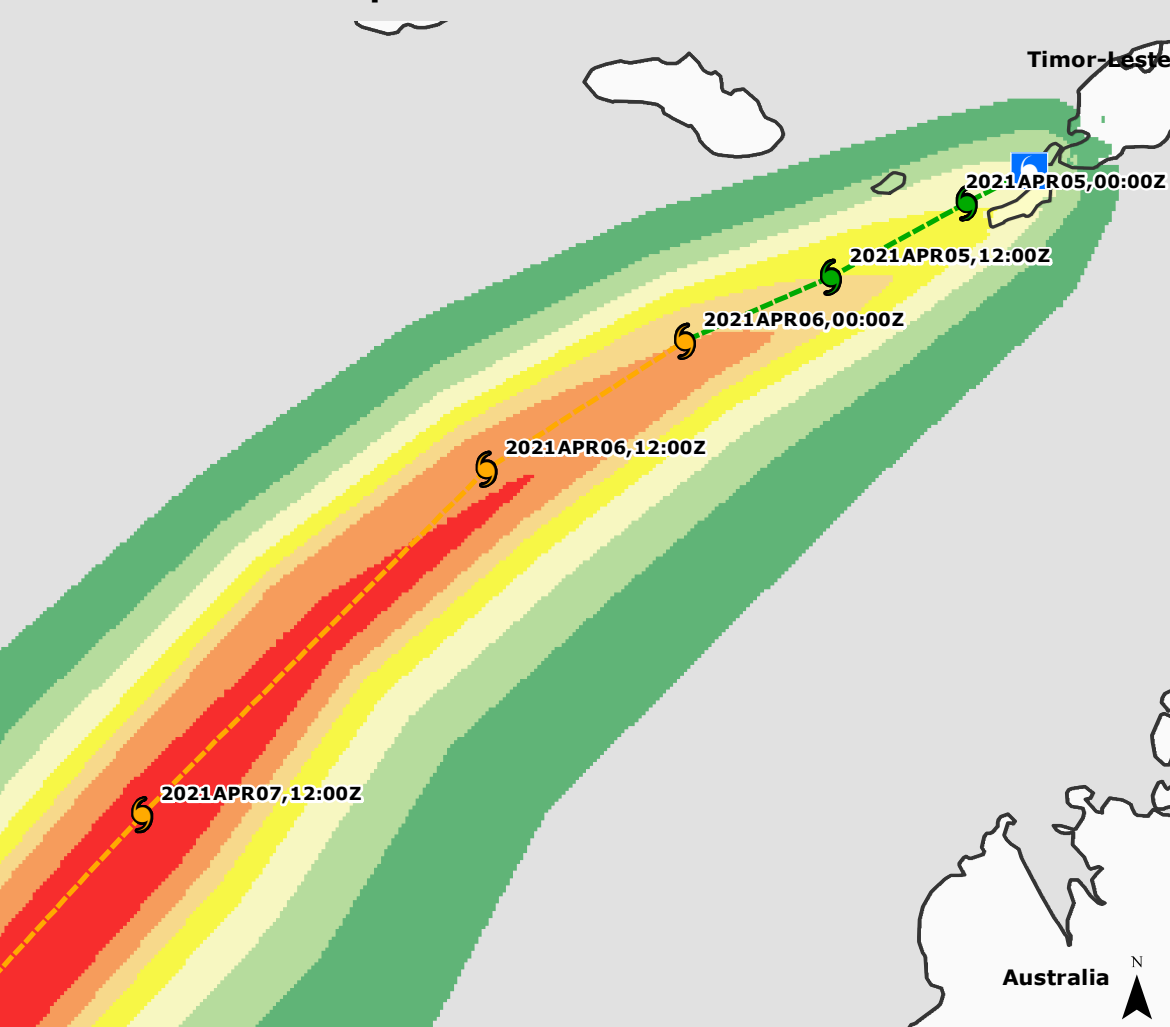
Warning 1, 04 April 2021 1500 UTC



PDC-26S-1A

JTWC Summary: TROPICAL CYCLONE 26S (TWENTYSIX), LOCATED APPROXIMATELY 454 NM NORTH OF BROOME, AUSTRALIA, HAS TRACKED WEST-SOUTHWESTWARD AT 08 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED SATELLITE IMAGERY (EIR) SHOWS A BROAD SYSTEM CONSOLIDATING WITH FORMATIVE BANDS WRAPPING TIGHTER INTO A LOW LEVEL CIRCULATION CENTER (LLCC) OVER THE SAVU SEA. THE INITIAL POSITION IS BASED ON A 041041Z SSMIS 91GHZ IMAGE AND A TIGHT GROUPING OF AGENCY FIXES WITH FAIR CONFIDENCE. THE INITIAL INTENSITY IS SUPPORTED BY MULTIPLE DVORAK AGENCY ESTIMATES OF T2.5 (35 KNOTS) FROM PGTW AND APRF, AND SLIGHTLY LOWER THAN KNES T3.0 (45 KNOTS). UPPER LEVEL ANALYSIS INDICATES THE SYSTEM RESIDES EQUATORWARD OF THE SUBTROPICAL RIDGE (STR) WITH GOOD RADIAL OUTFLOW ALOFT, ENVELOPED IN A SMALL REGION OF LOW TO MODERATE (10-15 KNOTS) VERTICAL WIND SHEAR (VWS), AND WARM SEA SURFACE TEMPERATURES (28-30C). TC 26S CURRENTLY RESIDES IN A VERY WEAK STEERING ENVIRONMENT AND WILL BEGIN MOVING SOUTHWESTWARD AS A RIDGE BUILDS IN FROM THE SOUTHEAST THROUGH THE REMAINDER OF THE FORECAST. AS THE SYSTEM MOVES SW, AN INCREASE IN POLEWARD OUTFLOW WILL ENHANCE THE INTENSIFICATION TO A PEAK STRENGTH OF 85 KNOTS BY TAU 72. DURING THIS TIMEFRAME, BINARY INTERACTION WITH INVEST 90S IS LIKELY, THE TWO SYSTEMS REMAINING NEARLY 500NM APART BY SOME MODEL ESTIMATES. THIS INTERACTION WILL CREATE A DYNAMIC CHANGE TO TC 26S INTENSIFICATION AND TRACK MOTION, ADDING INHERENT UNCERTAINTY....

Estimated Wind Impacts



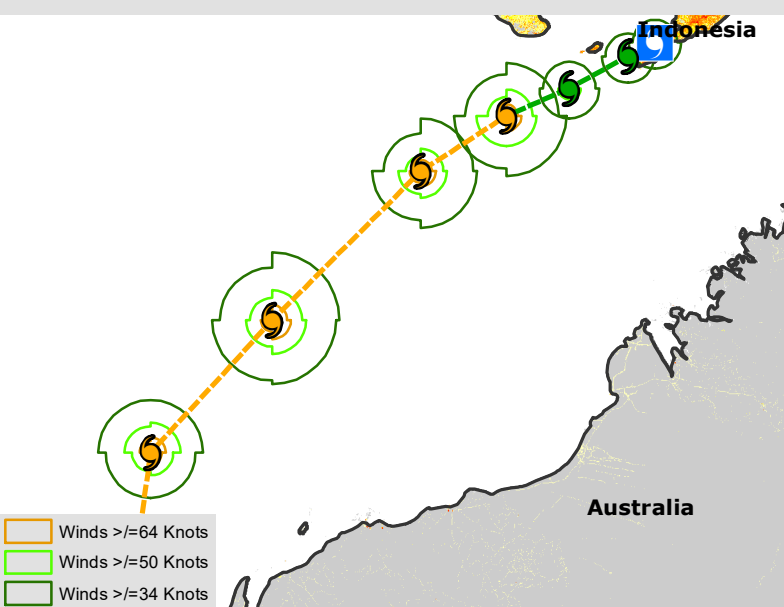
Tropical Cyclone Positions

- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

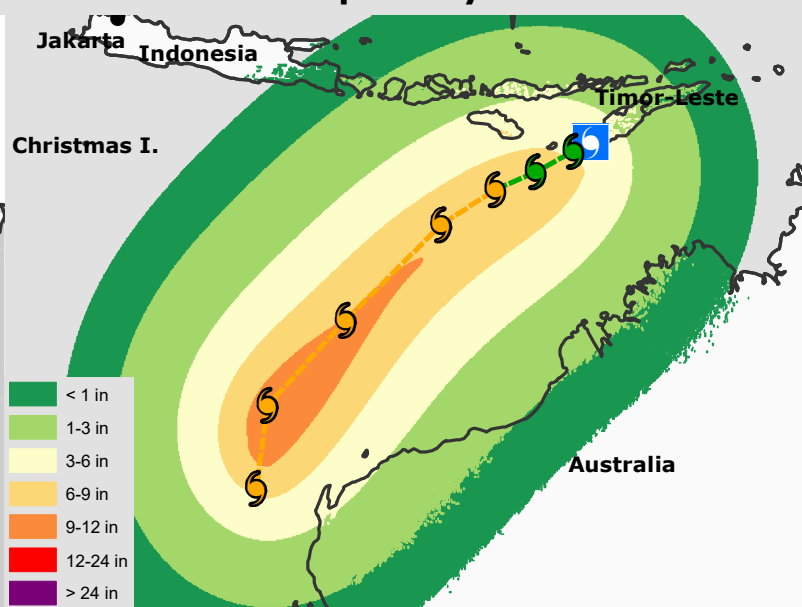
Est Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

Storm Positions



Estimated Tropical Cyclone Rainfall



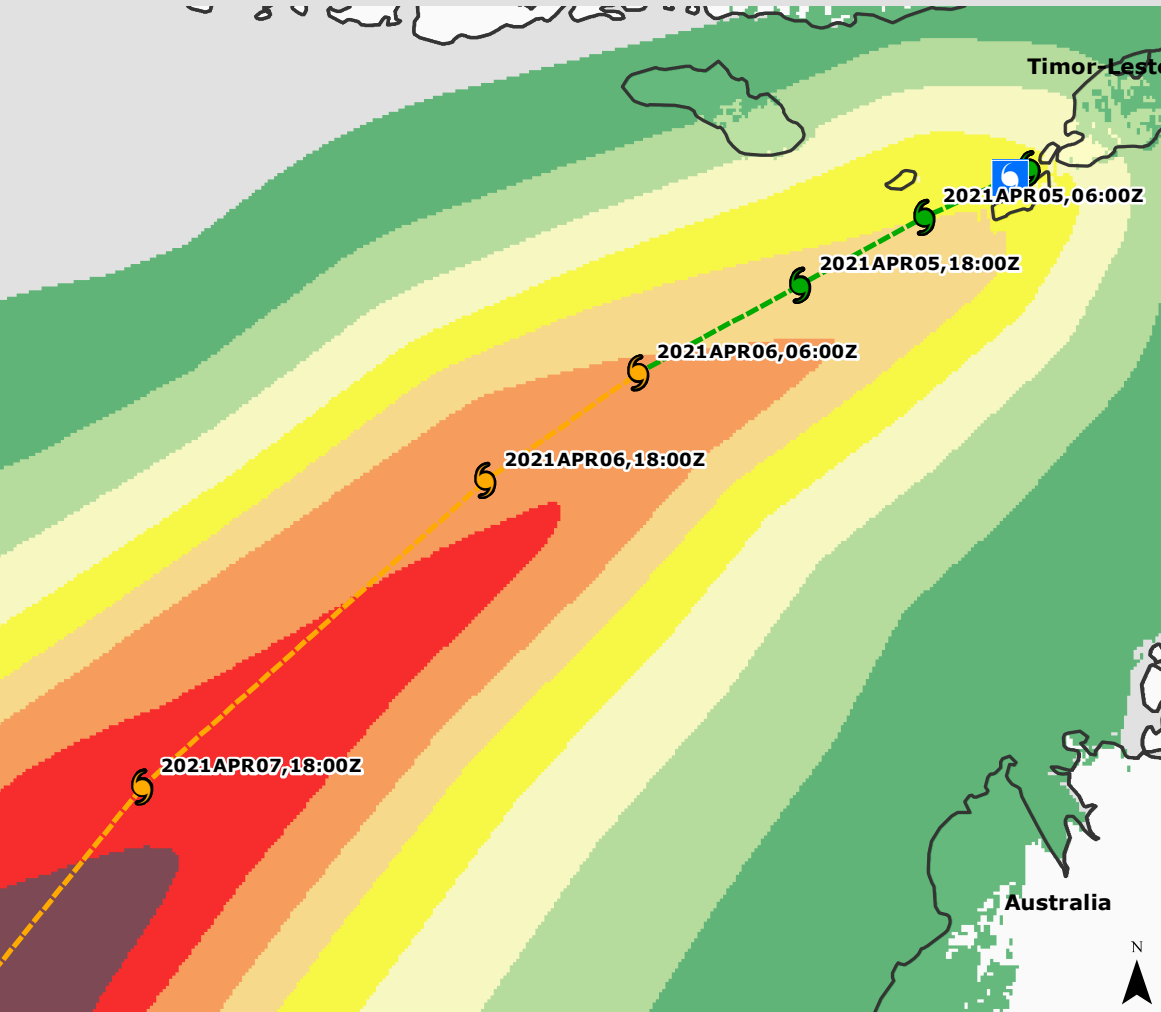
Tropical Cyclone Twentysix - Estimated Impacts

Warning 2, 04 April 2021 2100 UTC

PDC-26S-2A

JTWC Summary: TROPICAL CYCLONE (TC) 26S (TWENTYSIX), LOCATED APPROXIMATELY 480 NM WEST-NORTHWEST OF DARWIN, AUSTRALIA, HAS TRACKED WEST-SOUTHWESTWARD AT 02 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED (EIR) SATELLITE IMAGERY SHOWS A RAGGED BUT CONSOLIDATING SYSTEM THAT IS QUASI-STATIONARY (QS) IN THE SUVA SEA JUST SOUTHWEST OF TIMOR. THE INITIAL POSITION IS PLACED WITH FAIR CONFIDENCE BASED ON LOW CLOUD TRACING IN THE EIR LOOP AND FIT INSIDE A LARGE LOW LEVEL CIRCULATION FEATURE IN THE 1654Z ATMS MICROWAVE IMAGE. THE INITIAL INTENSITY OF 45KTS IS BASED ON THE DVORAK INTENSITY ESTIMATES OF T3.0/45KTS FROM PGTW AND KNES THAT ARE SUPPORTED BY THE SATCON OBJECTIVE ESTIMATE OF 50KTS. TC 26S IS IN A FAVORABLE ENVIRONMENT WITH GOOD RADIAL OUTFLOW AND LOW TO MODERATE (10-15KT) VERTICAL WIND SHEAR (VWS) ALOFT, AND WARM (29C) SEA SURFACE TEMPERATURE (SST) IN THE SUVA SEA. THE CYCLONE IS QS IN A COL IN THE MIDDLE OF A NEAR EQUATORIAL RIDGE (NER) TO THE NORTHWEST, A NER TO THE NORTHEAST, AND A SUBTROPICAL RIDGE (STR) TO THE SOUTH. THE STR IS EXPECTED TO BUILD, REORIENT TO THE SOUTHEAST AND SLOWLY DRIVE TC 26S SOUTHWESTWARD. THE FAVORABLE CONDITIONS ARE EXPECTED TO PERSIST ALONG THE FORECAST TRACK AND PROMOTE STEADY INTENSIFICATION TO A PEAK OF 100KTS BY TAU 96 AFTERWARD. INCREASING VWS AND COOLING SST WILL WEAKEN THE SYSTEM DOWN TO 85KTS BY TAU 120 AS THE CYCLONE TRACKS MORE SOUTHWARD IN RESPONSE TO THE STEERING STR WEAKENING AND RECEDING EASTWARD....

Estimated Wind Impacts

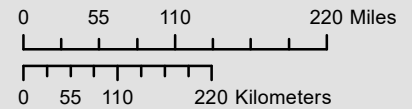


Tropical Cyclone Positions

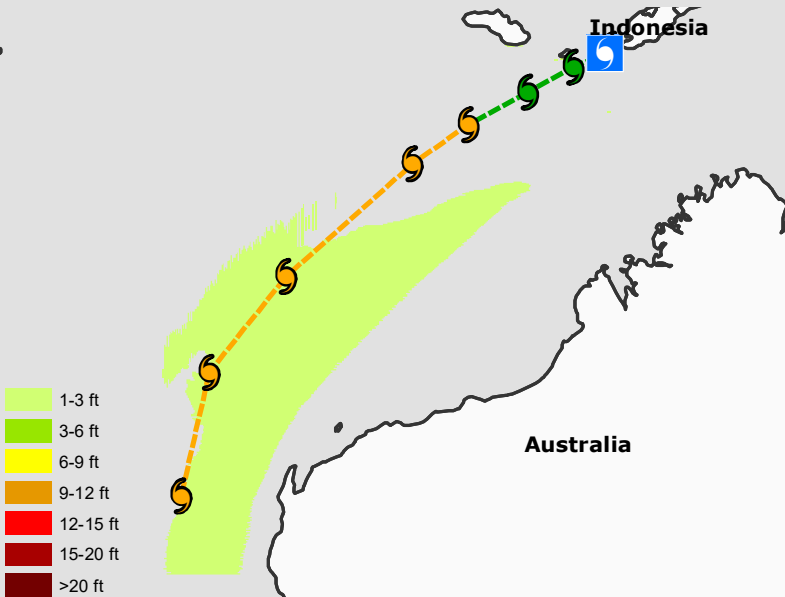
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

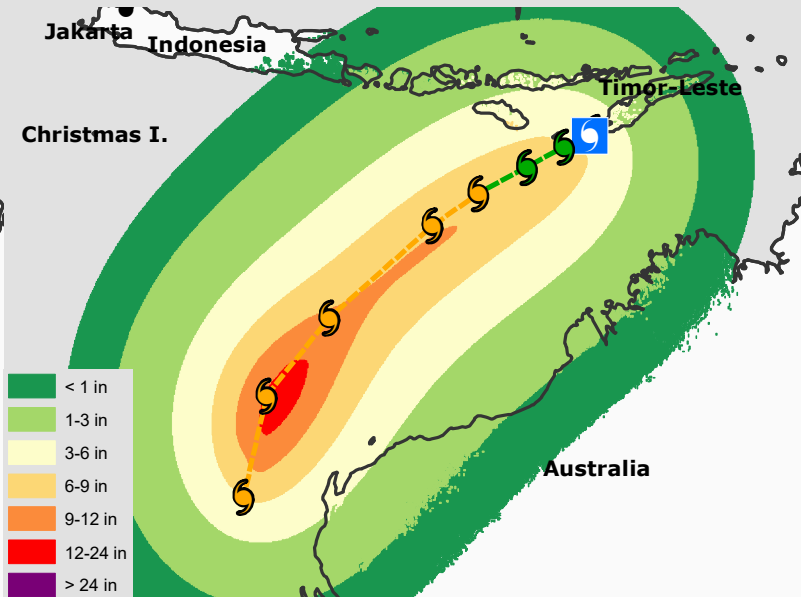
- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

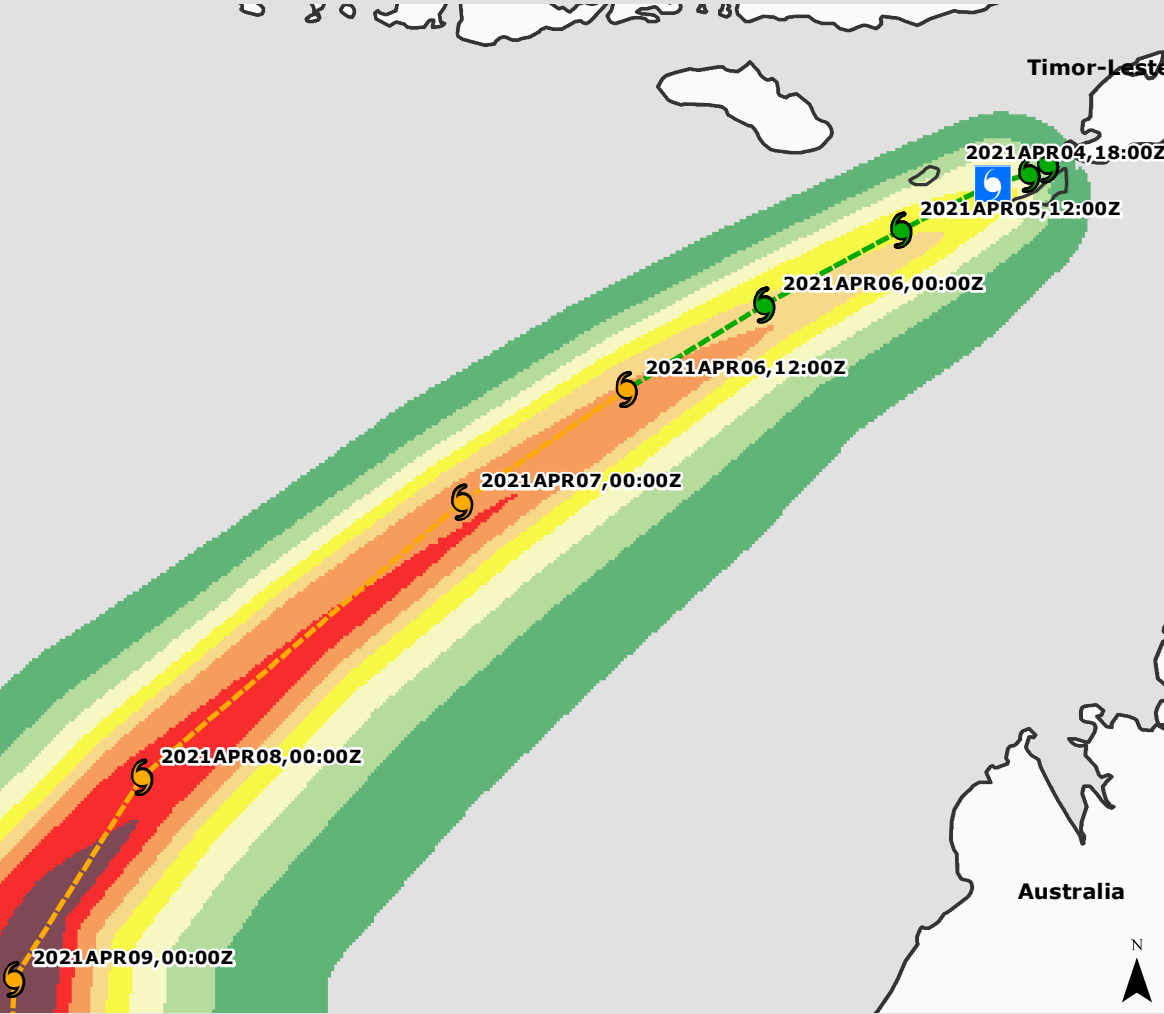
Warning 3, 05 April 2021 0300 UTC



PDC-26S-3A

JTWC Summary: TROPICAL CYCLONE (TC) 26S (SEROJA), LOCATED APPROXIMATELY 501 NM WEST-NORTHWEST OF DARWIN, AUSTRALIA, HAS TRACKED WEST- SOUTHWESTWARD AT 04 KNOTS OVER THE PAST SIX HOURS. ANIMATED MULTISPECTRAL SATELLITE IMAGERY SHOWS A CONSOLIDATING SYSTEM EVEN AS RAIN BANDS REMAIN FRAGMENTED WITH MINIMAL SEGMENTS OF DEEP CONVECTION. THE CYCLONE REMAINS QUASI-STATIONARY (QS) IN THE SUVA SEA JUST SOUTHWEST OF TIMOR. THE INITIAL POSITION IS PLACED WITH FAIR CONFIDENCE BASED ON LOW CLOUD TRACING IN THE MSI LOOP INTO AN EXPOSED PORTION OF A LARGE LOW LEVEL CIRCULATION. THE INITIAL INTENSITY OF 45KTS IS BASED ON THE DVORAK INTENSITY ESTIMATES OF T3.0/45KTS FROM PGTW AND KNES THAT ARE SUPPORTED BY THE ADT OBJECTIVE ESTIMATE OF T3.2/49KTS. TC 26S IS IN A FAVORABLE ENVIRONMENT WITH GOOD RADIAL OUTFLOW AND LOW TO MODERATE (10-15KT) VERTICAL WIND SHEAR (VWS) ALOFT, AND WARM (29C) SEA SURFACE TEMPERATURE (SST) IN THE SUVA SEA. TC SEROJA IS QS IN A COL TOWARD THE CENTER OF A NEAR EQUATORIAL RIDGE (NER) TO THE NORTHWEST, A NER TO THE NORTHEAST, AND A SUBTROPICAL RIDGE (STR) TO THE SOUTH. THE STR IS EXPECTED TO BUILD, REORIENT TO THE SOUTHEAST AND SLOWLY DRIVE TC 26S SOUTHWESTWARD. THE FAVORABLE CONDITIONS ARE EXPECTED TO PERSIST ALONG THE FORECAST TRACK AND PROMOTE STEADY INTENSIFICATION TO A PEAK OF 100KTS BY TAU 96....

Estimated Wind Impacts

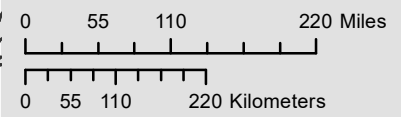


Tropical Cyclone Positions

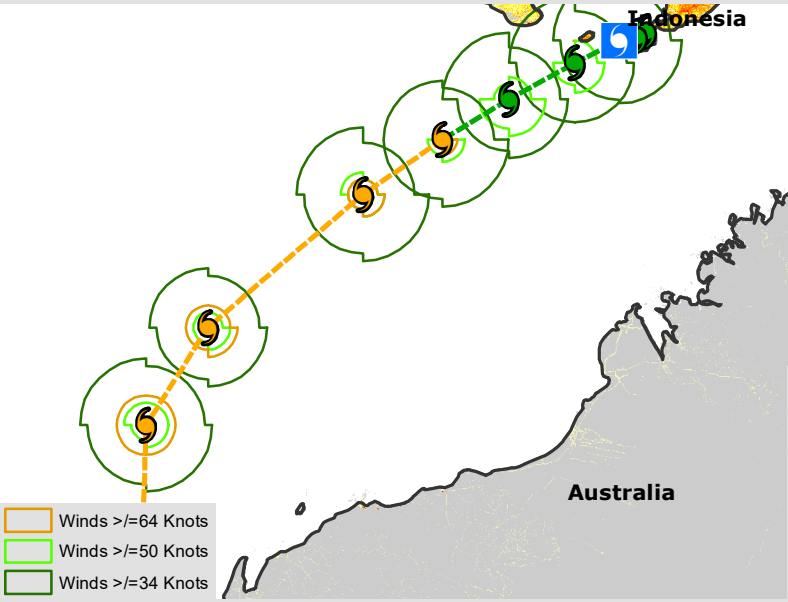
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

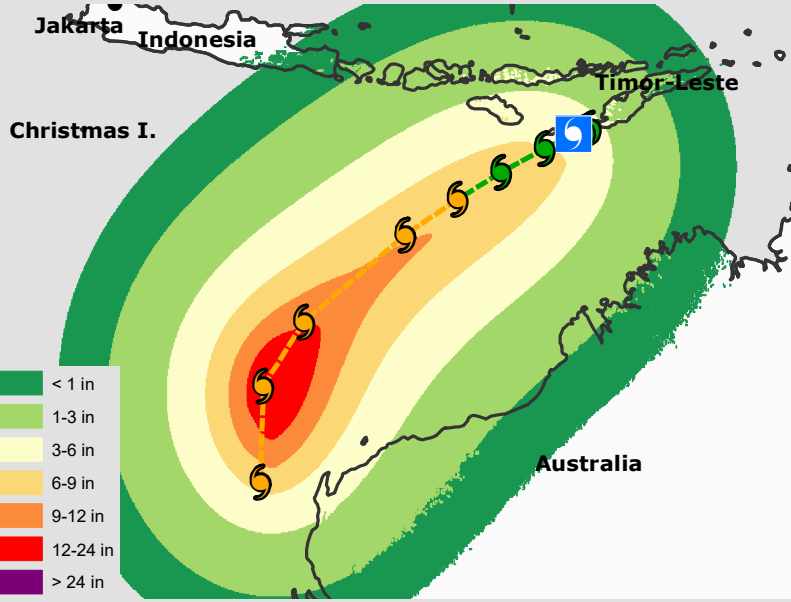


Storm Positions



- Winds >=64 Knots
- Winds >=50 Knots
- Winds >=34 Knots

Estimated Tropical Cyclone Rainfall



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in

Tropical Cyclone Seroja - Estimated Impacts

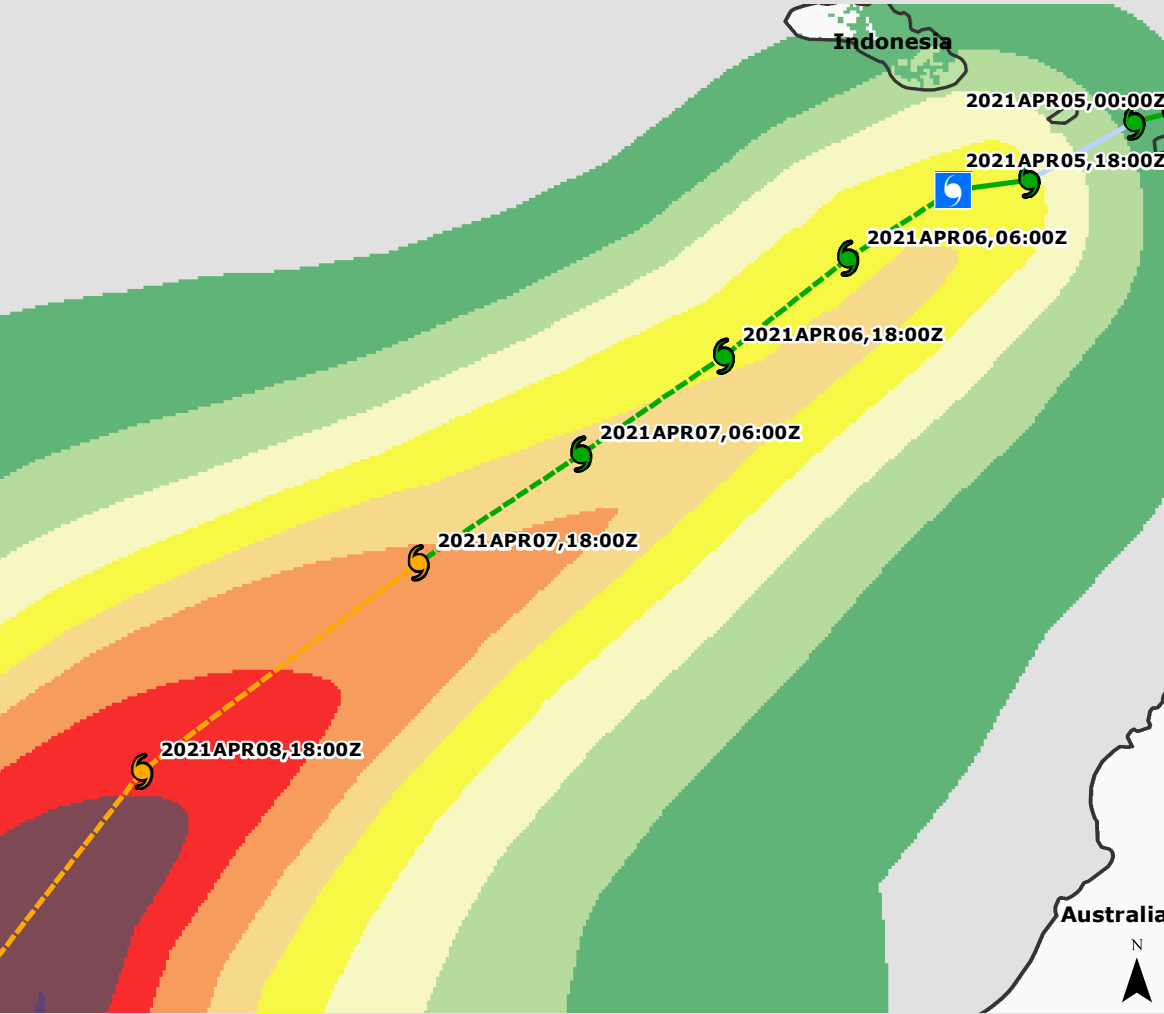
Warning 6, 05 April 2021 2100 UTC

PDC-26S-6A

JTWC Summary:



Estimated Wind Impacts

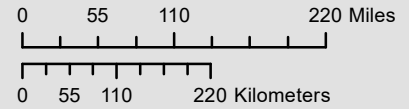


Tropical Cyclone Positions

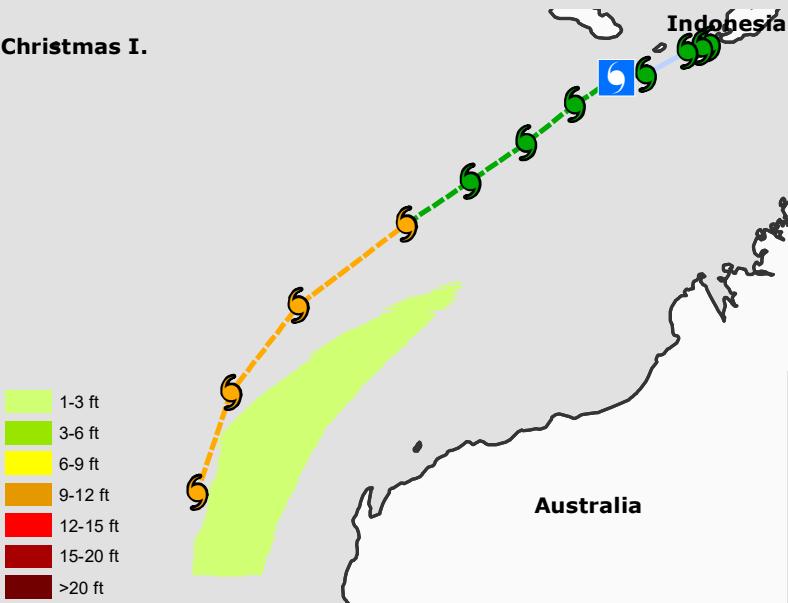
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

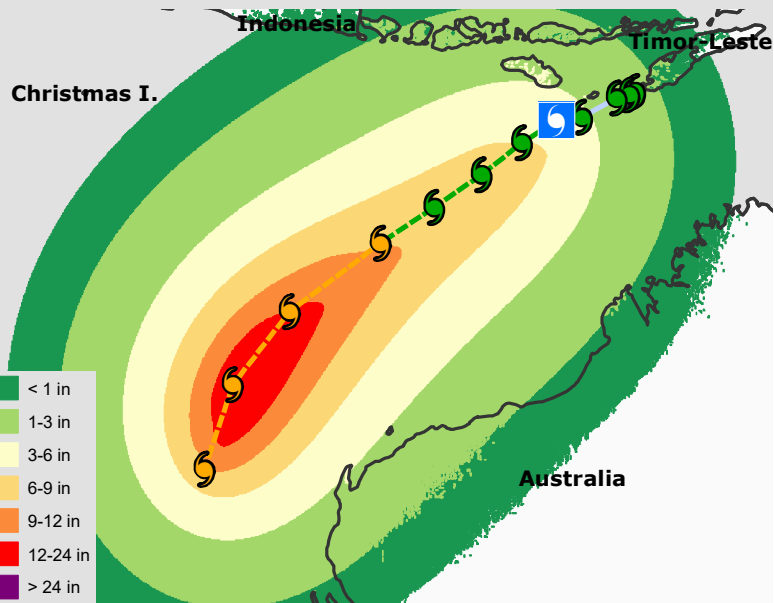
- Small Trees Sway
- Large Trees Sway
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- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

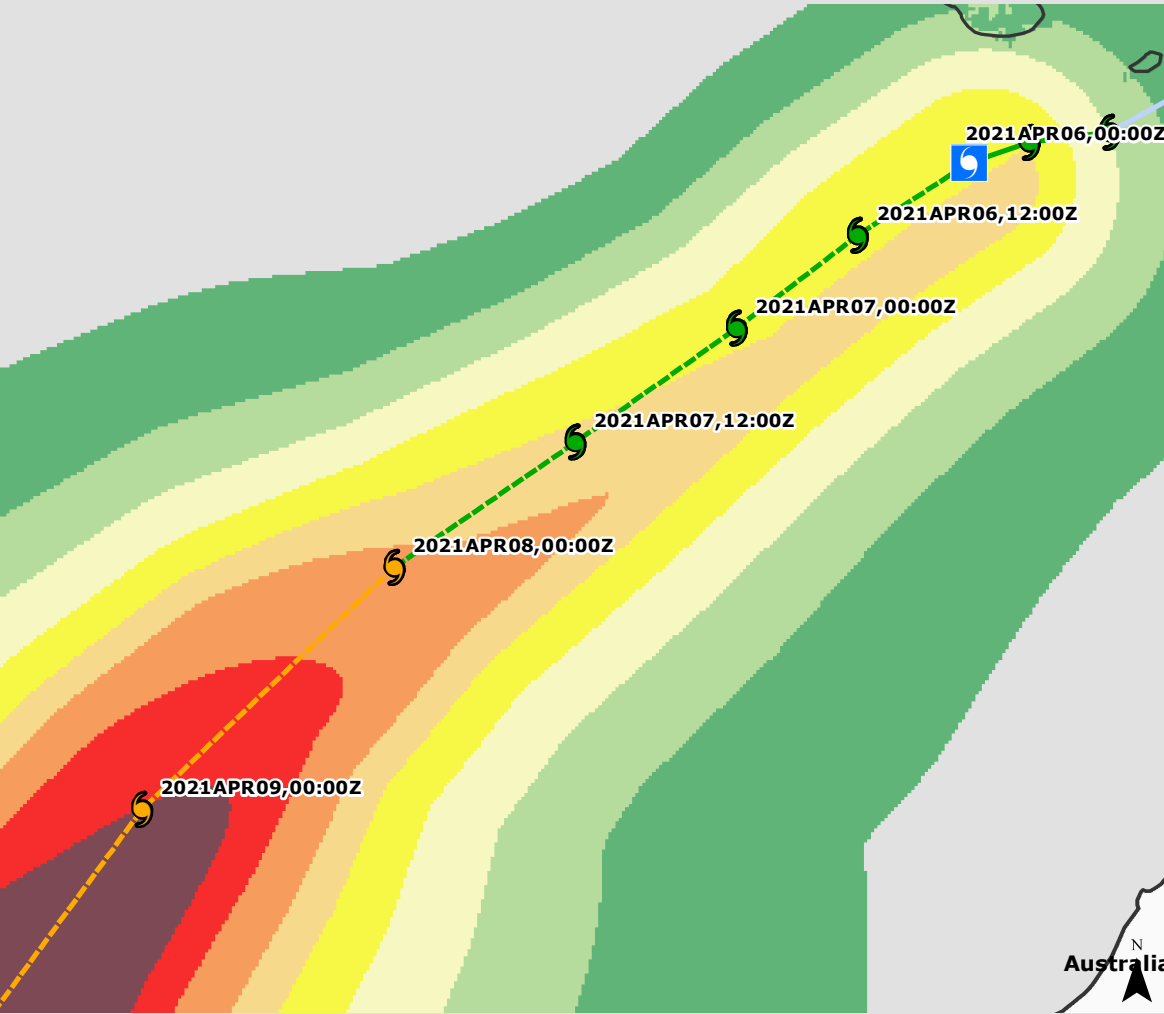
Warning 7, 06 April 2021 0300 UTC



PDC-26S-7A

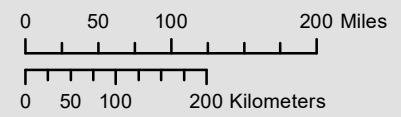
JTWC Summary: TROPICAL CYCLONE (TC) 26S (SEROJA), LOCATED APPROXIMATELY 734 NM NORTH-NORTHEAST OF LEARMONTH, AUSTRALIA, HAS TRACKED WEST-SOUTHWESTWARD AT 07 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED SATELLITE IMAGERY DEPICTS A DEVELOPING CENTRAL DENSE OVERCAST OBSCURING THE LOW-LEVEL CIRCULATION CENTER (LLCC). A 052032Z SSMIS 91GHZ COLOR COMPOSITE IMAGE SHOWS A PARTIALLY-EXPOSED LLCC WITH THE UPPER-LEVEL CIRCULATION CENTER (MI EYE FEATURE) TILTED TO THE WEST DUE TO EASTERLY VERTICAL WIND SHEAR (VWS). THE INITIAL INTENSITY IS ASSESSED AT 55 KNOTS BASED ON A PGTW DVORAK ESTIMATE OF T3.5 (55 KNOTS) AND A 06/0010Z ADT ESTIMATE OF 3.4. UPPER-LEVEL ANALYSIS REVEALS A MARGINALLY-FAVORABLE ENVIRONMENT WITH MODERATE (15-20 KNOTS) VERTICAL WIND SHEAR OFFSET BY DIFFLUENT FLOW ALOFT. TC 26S IS FORECAST TO TRACK ALONG THE NORTHWEST PERIPHERY OF THE SUBTROPICAL RIDGE POSITIONED OVER WESTERN AUSTRALIA THROUGH TAU 72 THEN TURN POLEWARD THROUGH TAU 120 AS A DEEP MIDLATITUDE TROUGH APPROACHES AUSTRALIA. NUMERICAL MODEL GUIDANCE REMAINS IN FAIR AGREEMENT LENDING MODERATE CONFIDENCE TO THE JTWC FORECAST TRACK. TC 26S IS FORECAST TO INTENSIFY STEADILY THROUGH THE FORECAST PERIOD TO A PEAK INTENSITY OF 105 KNOTS BY TAU 96 WITH GRADUAL WEAKENING ANTICIPATED BY TAU 120. MAXIMUM SIGNIFICANT WAVE HEIGHT AT 060000Z IS 21 FEET. NEXT WARNINGS AT 060900Z, 061500Z, 062100Z AND 070300Z.

Estimated Wind Impacts

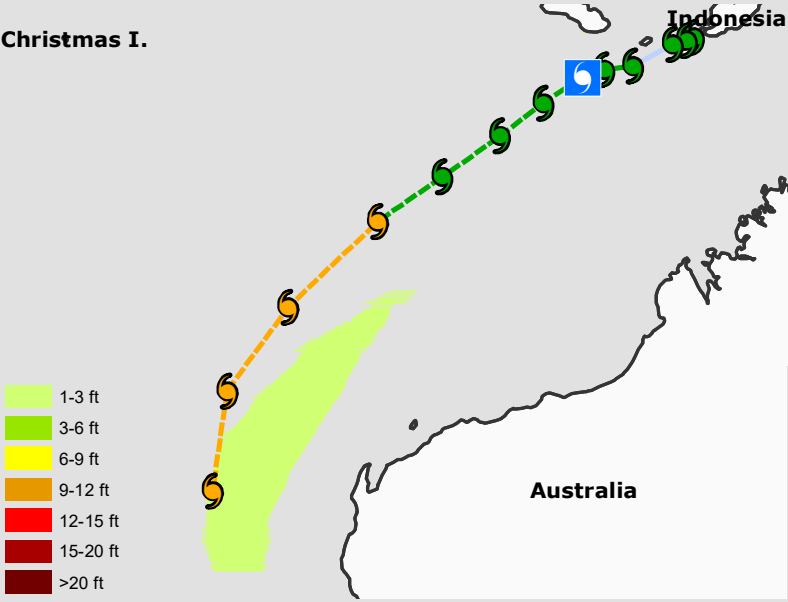


- ### Tropical Cyclone Positions
- Hurricane/Typhoon >150 mph
 - Hurricane/Typhoon > 74 mph
 - Tropical Storm: 39-73 mph
 - Tropical Depression: <39 mph
 - Current Cyclone Position

- ### Est Wind Impacts (TAOS)
- Small Trees Sway
 - Large Trees Sway
 - Branches Breaking
 - Trees Down; some power loss
 - Minor Damage; power out
 - Moderate Damage 5% of value
 - Widespread Damage
 - Severe Damage
 - Catastrophic Damage

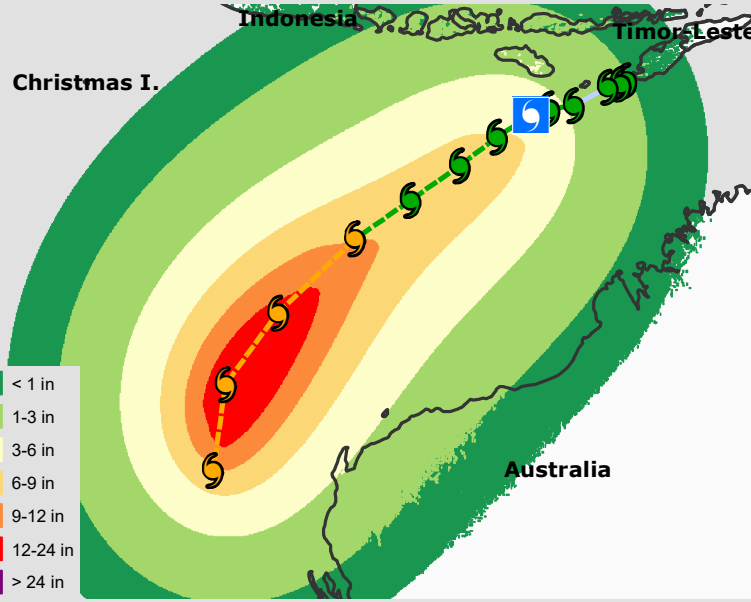


Estimated Still Water Storm Surge



- <1 ft
- 1-3 ft
- 3-6 ft
- 6-9 ft
- 9-12 ft
- 12-15 ft
- 15-20 ft
- >20 ft

Estimated Tropical Cyclone Rainfall



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in

Tropical Cyclone Seroja - Estimated Impacts

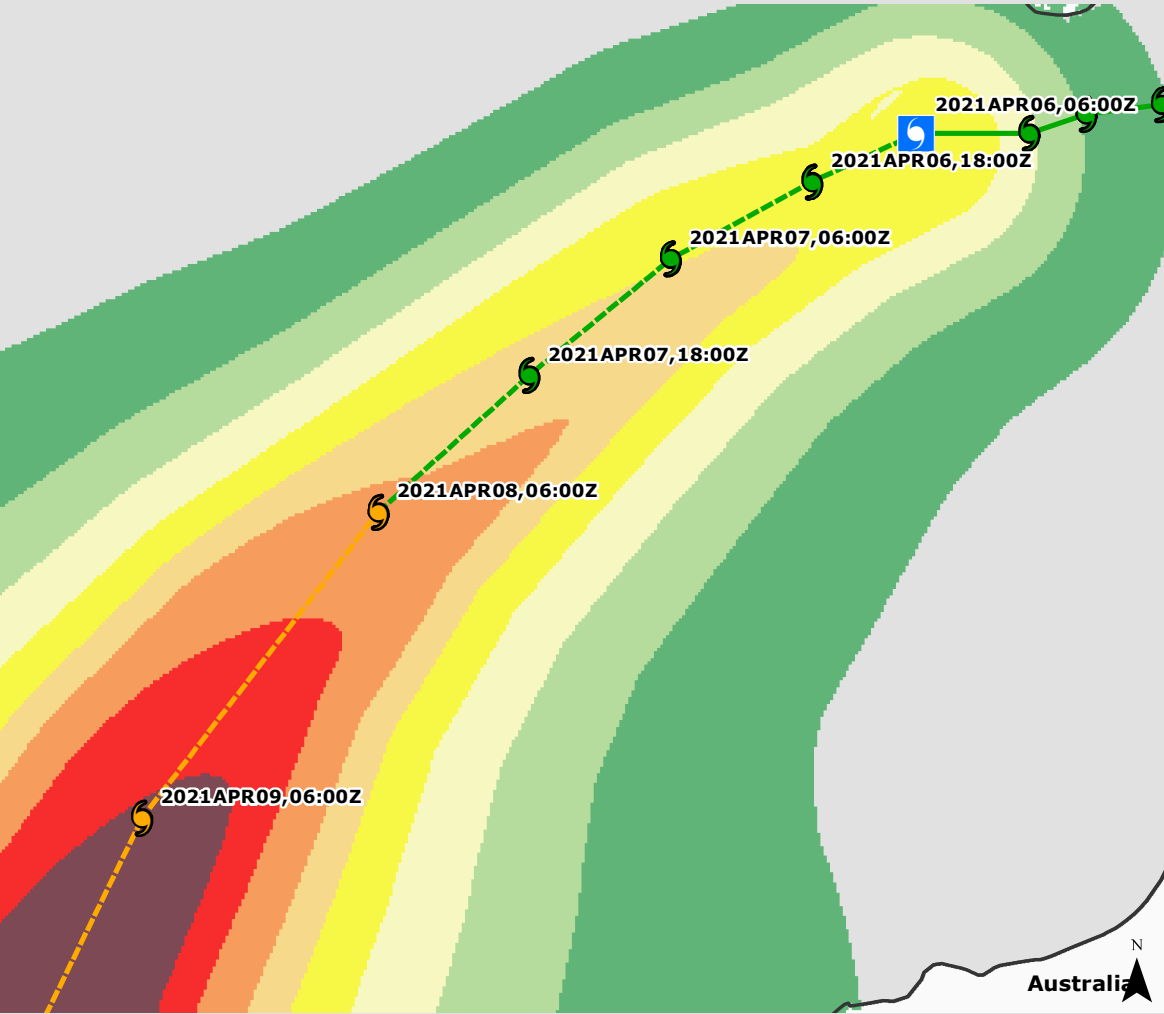
Warning 8, 06 April 2021 0900 UTC



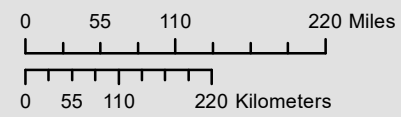
PDC-26S-8A

JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 429 NM NORTH-NORTHWEST OF BROOME, AUSTRALIA, HAS TRACKED WEST- SOUTHWESTWARD AT 09 KNOTS OVER THE PAST SIX HOURS. ANIMATED MULTISPECTRAL SATELLITE IMAGERY (MSI) DEPICTS A DISORGANIZED LOW LEVEL CIRCULATION CENTER (LLCC) WITH PULSING CONVECTION SHEARED TO THE SOUTHWEST OF THE ASSESSED LLCC. DUE TO THE LACK OF RECENT MICROWAVE IMAGERY, THE INITIAL POSITION IS SET WITH ONLY MODERATE CONFIDENCE BASED ON A BLEND OF PGTW, APRF AND KNES FIX POSITIONS AND ANALYSIS OF THE LOW-LEVEL BANDING FEATURES EXPOSED TO THE SOUTH OF THE SYSTEM IN THE ANIMATED VISIBLE IMAGERY. THE INITIAL INTENSITY IS ASSESSED AT 50 KNOTS WITH MODERATE CONFIDENCE BASED ON DVORAK CURRENT INTENSITY ESTIMATES OF T3.5 (65 KTS) FROM PGTW AND APRF. AN ADT ESTIMATE OF T3.2 AND A SATCON ESTIMATE OF 52 KTS. AN EARLIER ASCAT-B AT 060110Z INDICATED A SWATH OF 50-55 KNOT WINDS PRESENT IN THE NORTHEAST AND SOUTHWEST QUADRANTS AND PROVIDED ADDITIONAL SUPPORT TO THE INITIAL INTENSITY ASSESSMENT. ENVIRONMENTAL ANALYSIS REVEALS MARGINAL CONDITIONS, WITH MODERATE TO HIGH (20-25 KTS) EASTERLY VWS AND WEAKLY DIFFLUENT OUTFLOW OFFSET BY VERY WARM (30-31C) SSTs. THE SYSTEM IS CURRENTLY TRACKING WEST-SOUTHWESTWARD ALONG THE NORTHWESTERN PERIPHERY OF A DEEP-LAYER SUBTROPICAL RIDGE (STR) CENTERED OVER WESTERN AUSTRALIA. TC 26S IS FORECAST TO CONTINUE TRACKING SOUTHWESTWARD ALONG THE WESTERN PERIPHERY OF THE STR THROUGH TAU 72....

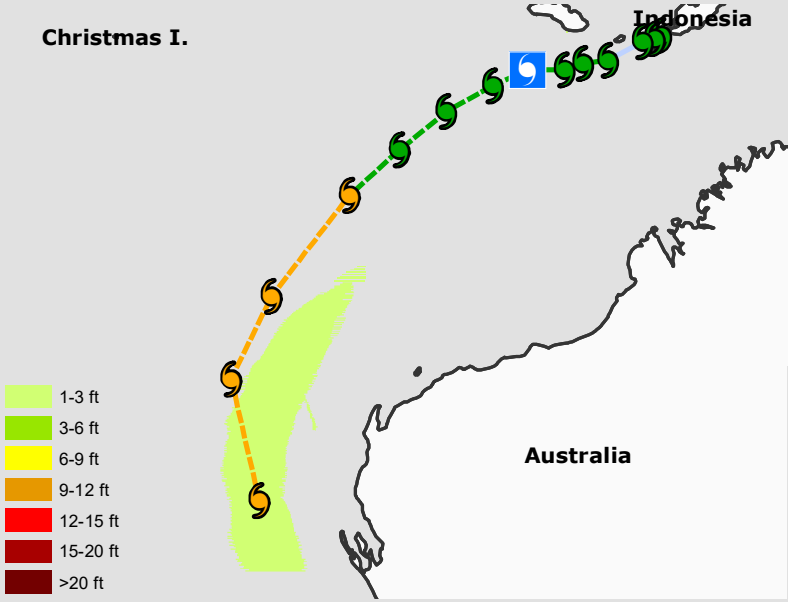
Estimated Wind Impacts



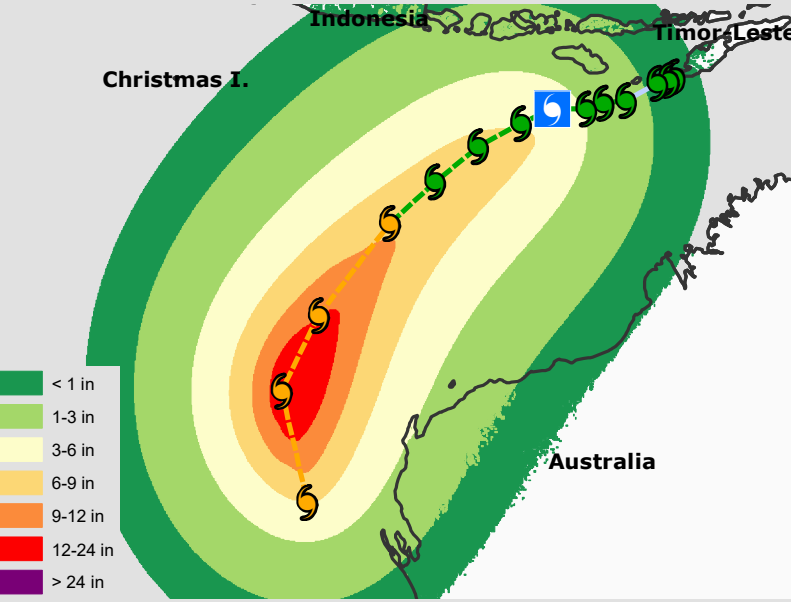
- ### Tropical Cyclone Positions
- Hurricane/Typhoon >150 mph
 - Hurricane/Typhoon > 74 mph
 - Tropical Storm: 39-73 mph
 - Tropical Depression: <39 mph
 - Current Cyclone Position
- ### Est Wind Impacts (TAOS)
- Small Trees Sway
 - Large Trees Sway
 - Branches Breaking
 - Trees Down; some power loss
 - Minor Damage; power out
 - Moderate Damage 5% of value
 - Widespread Damage
 - Severe Damage
 - Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

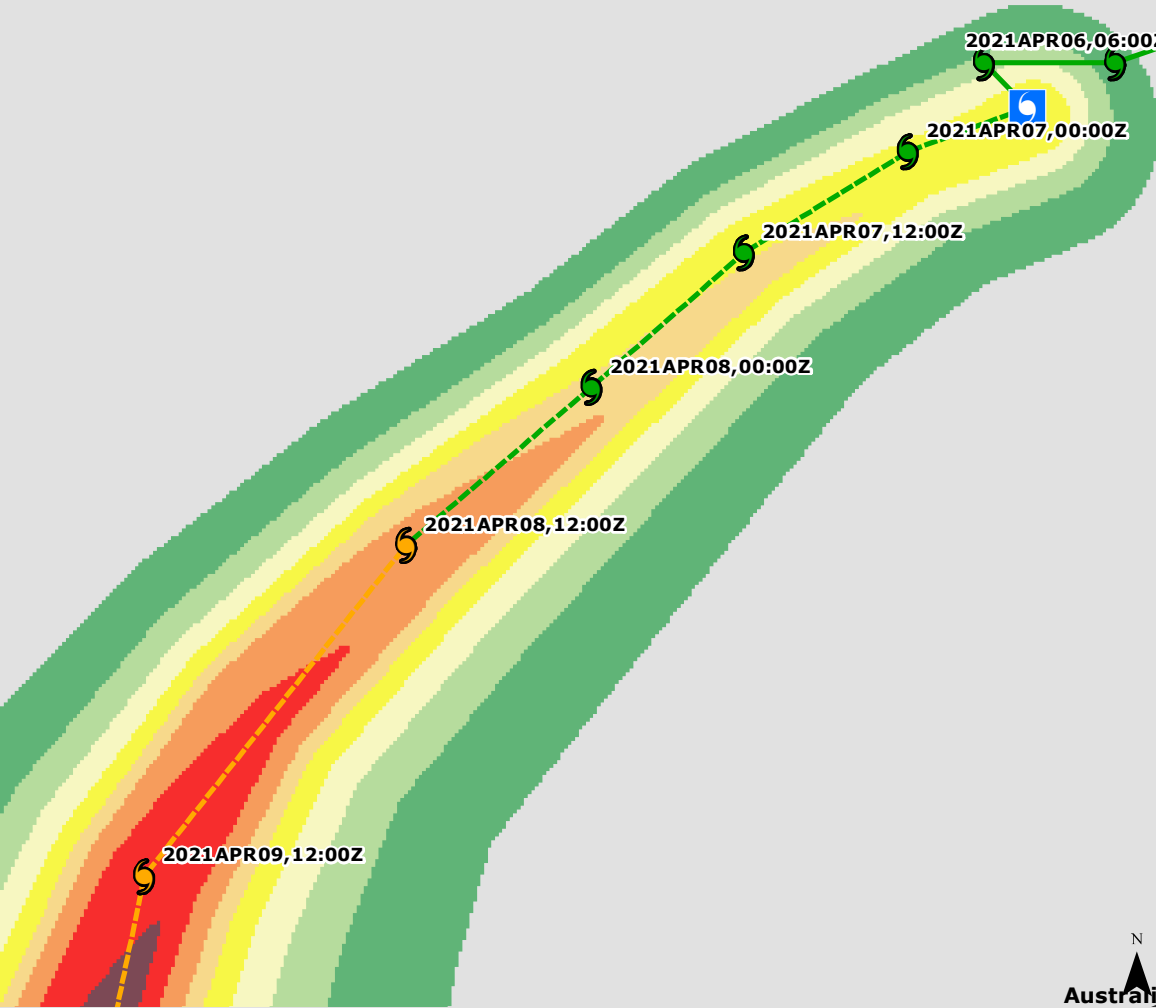
Warning 9, 06 April 2021 1500 UTC



PDC-26S-9A

JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 397 NM NORTH-NORTHWEST OF BROOME, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 05 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED SATELLITE IMAGERY (EIR) INDICATES THAT THE SYSTEM IS BEING SIGNIFICANTLY IMPACTED BY EASTERLY SHEAR, WITH WEAK FRAGMENTED CONVECTION SHEARED TO THE WEST, EXPOSING THE LOW LEVEL CIRCULATION CENTER (LLCC). THE INITIAL POSITION IS PLACED WITH HIGH CONFIDENCE BASED ON THE EXPOSED LLCC AND AN EXTRAPOLATION OF A WEAK LOW EMISSIVITY REGION EVIDENT IN A 061014Z SSMIS 37GHZ MICROWAVE IMAGE. THE INITIAL INTENSITY IS ASSESSED WITH LOW CONFIDENCE, SET AT 50 KNOTS BASED ON THE HIGHER END OF MULTI-AGENCY DVORAK CURRENT INTENSITY ESTIMATES OF T3.0 (45 KTS) TO T3.5 (55 KTS). THE SYSTEM HAS SLOWED SIGNIFICANTLY OVER THE PAST SIX HOURS, BUT IS STILL TRAVELING IN SOUTHWESTWARD, ALONG THE NORTHWEST PERIPHERY OF DEEP SUBTROPICAL RIDGE (STR) OVER WESTERN AUSTRALIA. THE OVERALL ENVIRONMENT IS MARGINAL WITH MODERATE (15-20 KTS) EASTERLY VERTICAL WIND SHEAR, WEAK OUTFLOW ALOFT AND WARM (30C) SSTs. TC 26S WILL CONTINUE TRACKING SOUTHWESTWARD ALONG THE WESTERN BOUNDARY OF THE STR THROUGH TAU 72, THEN ROUND THE RIDGE AXIS AND TURN POLEWARD, THEN SOUTHEASTWARD AHEAD OF AN APPROACHING MID-LATITUDE TROUGH BY TAU 120. TC 27S WILL APPROACH FROM THE WEST AROUND TAU 48, BUT TC 26S BEING THE DOMINANT SYSTEM, WILL EXPERIENCE LITTLE TO NO IMPACT IN OVERALL TRACK MOTION FOR THE PASSAGE OF TC 27S....

Estimated Wind Impacts

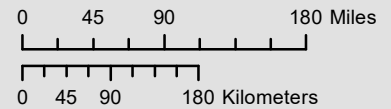


Tropical Cyclone Positions

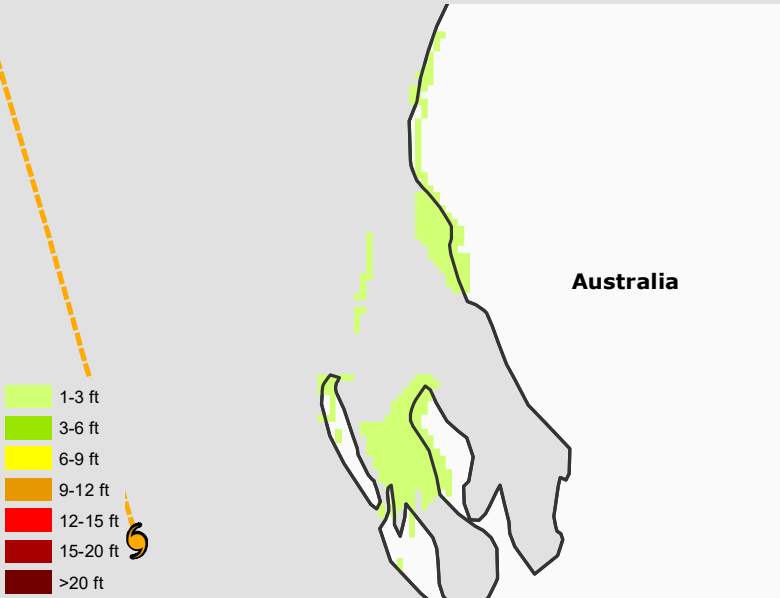
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

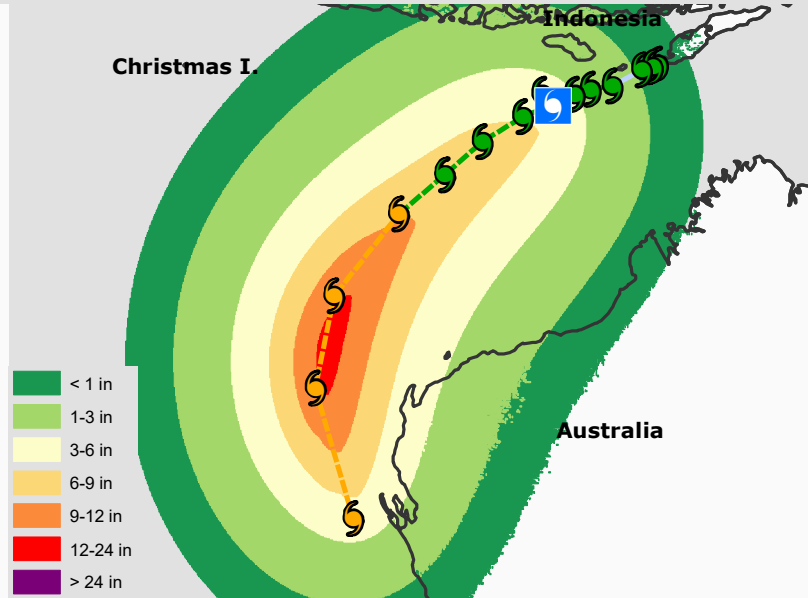
- Small Trees Sway
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- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

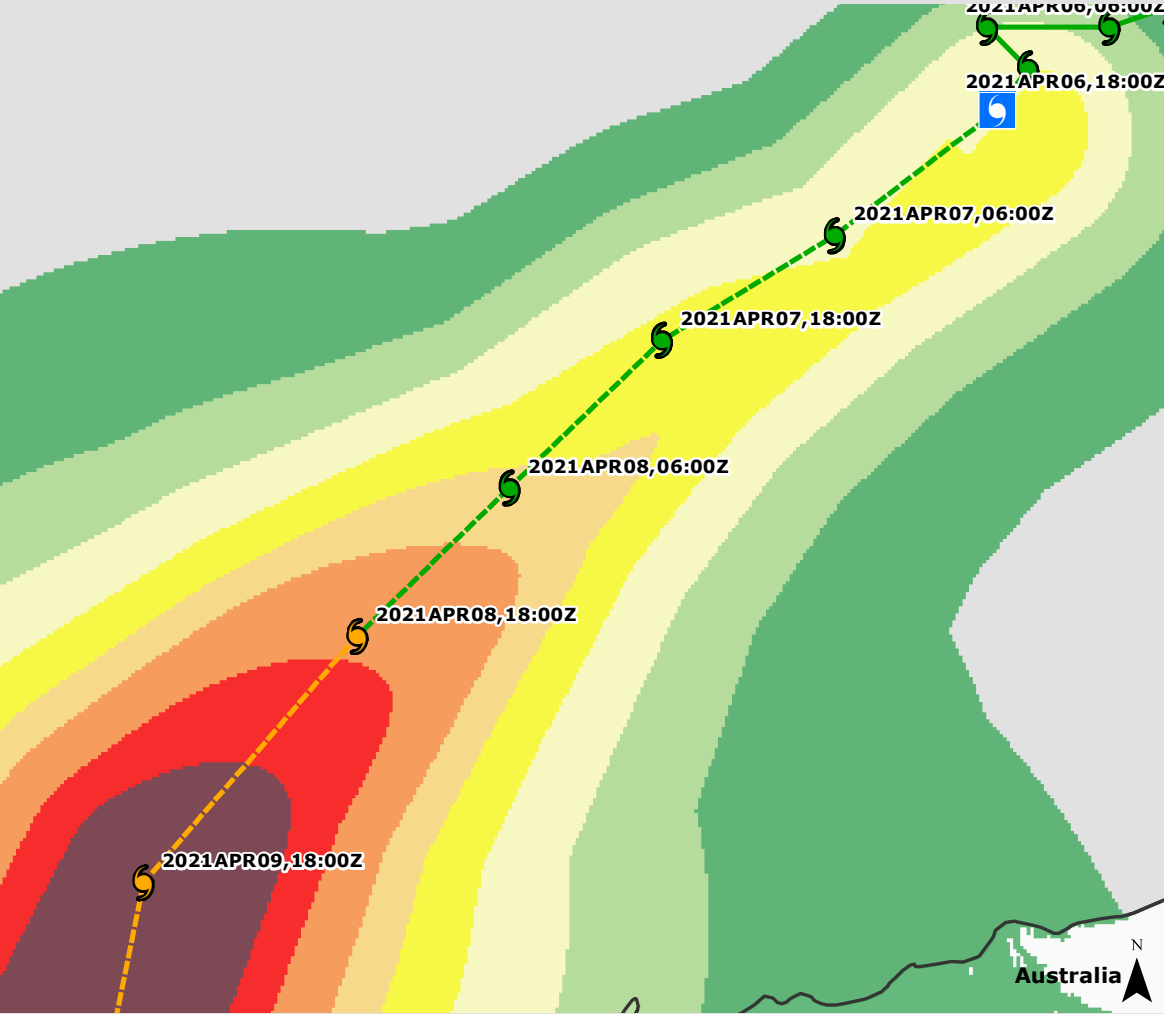
Warning 10, 06 April 2021 2100 UTC



PDC-26S-10A

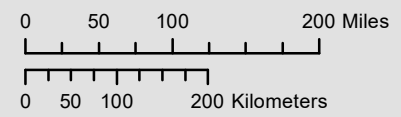
JTWC Summary: TROPICAL CYCLONE (TC) 26S (SEROJA), LOCATED APPROXIMATELY 662 NM NORTH-NORTHEAST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 05 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED SATELLITE IMAGERY DEPICTS A PARTIALLY-EXPOSED LOW-LEVEL CIRCULATION CENTER (LLCC) POSITIONED ON THE EASTERN EDGE OF FLARING DEEP CONVECTION. A 06/17 12Z AMSR2 89GHZ COLOR COMPOSITE MICROWAVE IMAGE INDICATES SHALLOW BANDING WRAPPING TIGHTLY INTO A WELL-DEFINED LLCC WITH LIMITED DEEP CONVECTION SHEARED OVER THE WESTERN QUADRANT DUE TO EASTERLY VERTICAL WIND SHEAR (VWS). THE INITIAL INTENSITY IS ASSESSED AT 45 KNOTS BASED ON A PGTW DVORAK CURRENT INTENSITY ESTIMATE OF 3.0 (45 KNOTS), HEDGED ABOVE A 06/1830Z ADT ESTIMATE OF 2.6 (37 KNOTS). UPPER-LEVEL ANALYSIS REVEALS A MARGINALLY-FAVORABLE ENVIRONMENT WITH MODERATE (15-20 KNOTS) VERTICAL WIND SHEAR OFFSET BY DIFFLUENT FLOW ALOFT. TC 26S IS FORECAST TO TRACK ALONG THE NORTHWEST PERIPHERY OF THE SUBTROPICAL RIDGE POSITIONED OVER WESTERN AUSTRALIA THROUGH TAU 72 THEN TURN POLEWARD THROUGH TAU 120 AS A DEEP MID-LATITUDE TROUGH APPROACHES AUSTRALIA. NUMERICAL MODEL GUIDANCE REMAINS IN FAIR AGREEMENT WITH A SPREAD OF 210NM AT TAU 72, LENDING MODERATE CONFIDENCE TO THE JTWC FORECAST TRACK. TC 26S IS FORECAST TO INTENSIFY SLOWLY THROUGH TAU 36 DUE TO PERSISTENT MODERATE VWS BUT IS EXPECTED TO RAPIDLY INTENSIFY AFTER TAU 48 AS VWS RELAXES AND POLEWARD OUTFLOW IMPROVES....

Estimated Wind Impacts

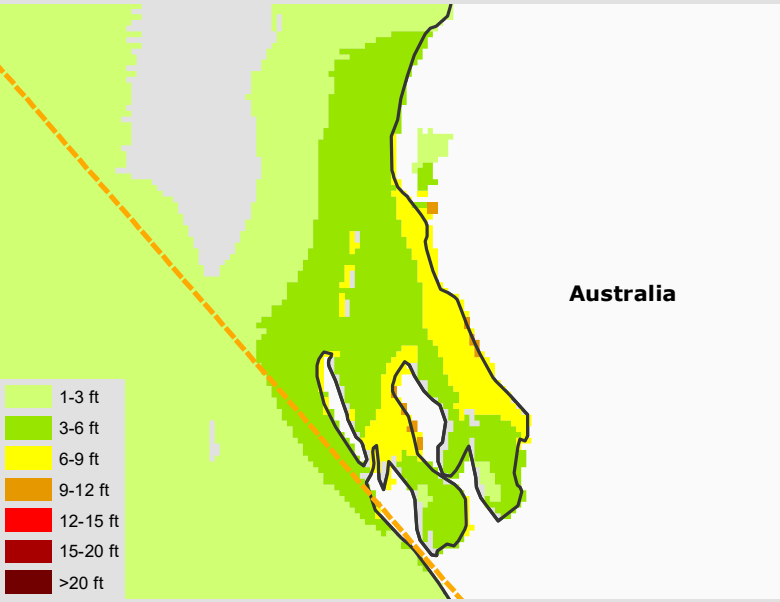


- ### Tropical Cyclone Positions
- Hurricane/Typhoon >150 mph
 - Hurricane/Typhoon > 74 mph
 - Tropical Storm: 39-73 mph
 - Tropical Depression: <39 mph
 - Current Cyclone Position

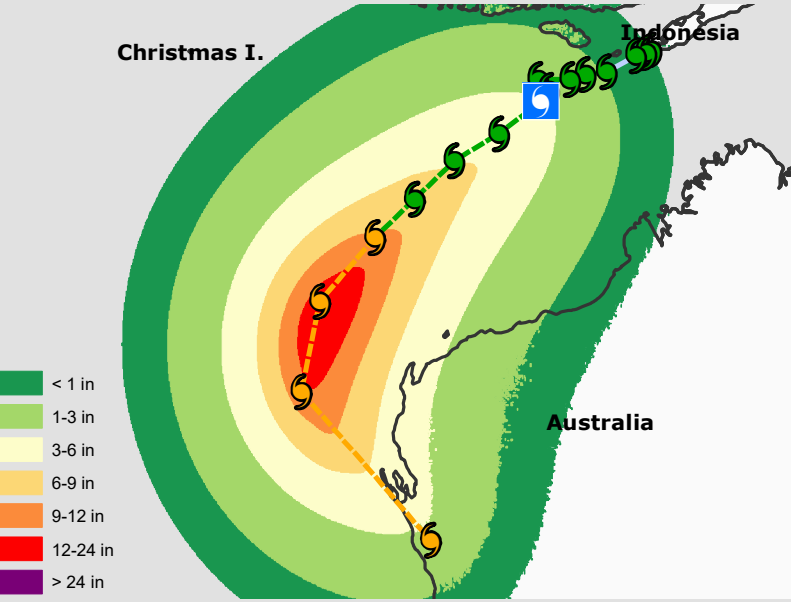
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 - Severe Damage
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Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

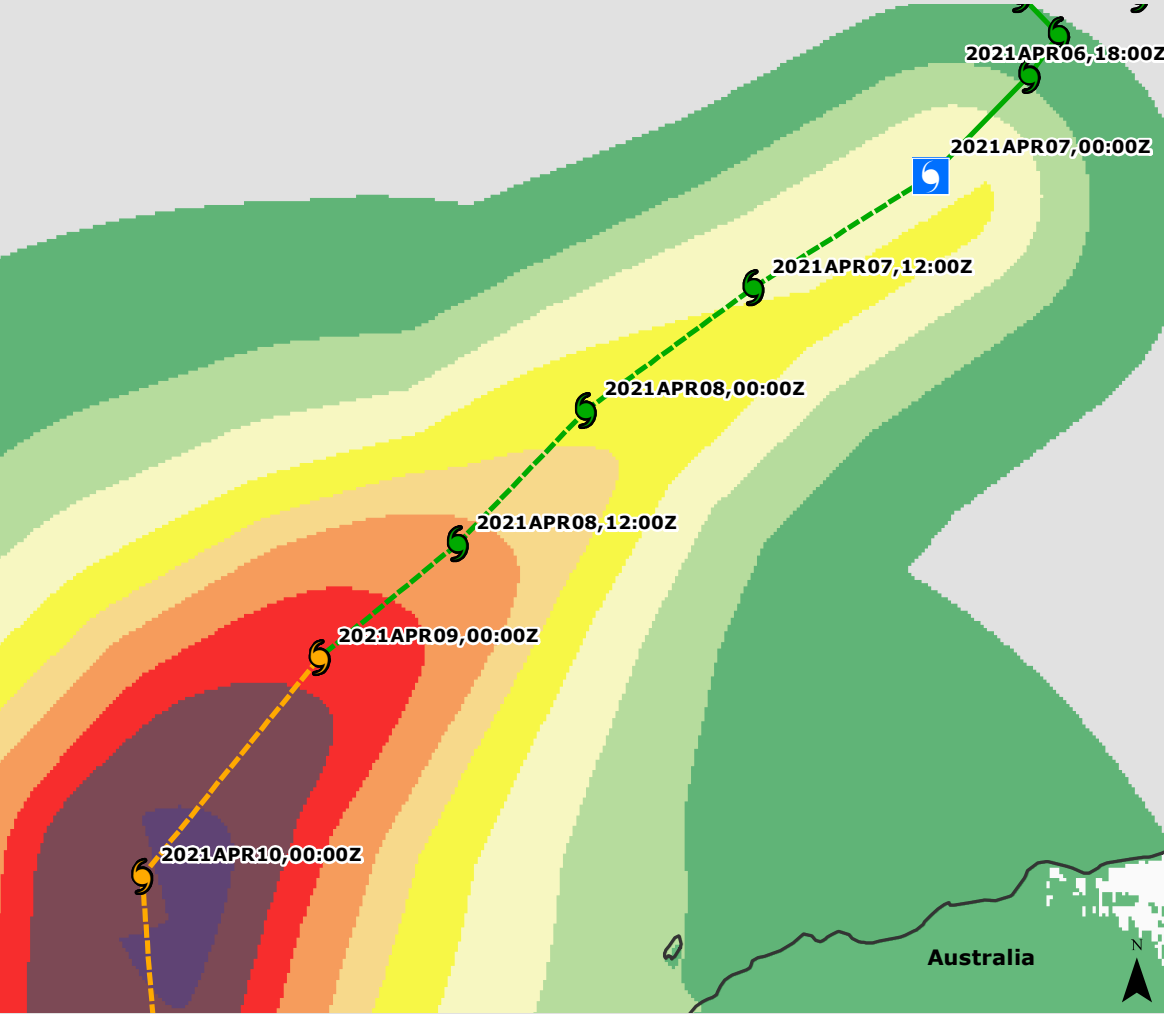
Warning 11, 07 April 2021 0300 UTC



PDC-26S-11A

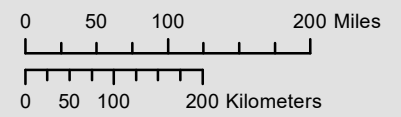
JTWC Summary: TROPICAL CYCLONE (TC) 26S (SEROJA), LOCATED APPROXIMATELY 584 NM NORTH-NORTHEAST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 13 KNOTS OVER THE PAST SIX HOURS. ANIMATED MULTISPECTRAL SATELLITE IMAGERY DEPICTS LOW-LEVEL CLOUD LINES WRAPPING TIGHTLY INTO A PARTIALLY-EXPOSED LOW-LEVEL CIRCULATION CENTER (LLCC) POSITIONED UNDER THE EASTERN EDGE OF FLARING DEEP CONVECTION. A 062304Z SSMIS 91GHZ COLOR COMPOSITE MICROWAVE IMAGE INDICATES SHALLOW BANDING WRAPPING TIGHTLY INTO A WELL-DEFINED LLCC WITH DISORGANIZED DEEP CONVECTION SHEARED OVER THE WESTERN QUADRANT DUE TO EASTERLY VERTICAL WIND SHEAR (VWS). THE INITIAL INTENSITY REMAINS ASSESSED AT 45 KNOTS, HEDGED ABOVE THE PGTW/APRF DVORAK CURRENT INTENSITY ESTIMATES OF 2.5 (35 KNOTS), BASED ON A 07/0100Z ADT ESTIMATE OF 2.8 (41 KNOTS) AND A PARTIAL 062305Z SMAP IMAGE SHOWING 48 KNOTS OVER THE WESTERN SEMICIRCLE UNDER THE DEEP CONVECTION. UPPER-LEVEL ANALYSIS REVEALS A MARGINALLY-FAVORABLE ENVIRONMENT WITH MODERATE (15-20 KNOTS) VERTICAL WIND SHEAR OFFSET BY DIFFLUENT FLOW ALOFT. TC 26S IS FORECAST TO TRACK ALONG THE NORTHWEST PERIPHERY OF THE SUBTROPICAL RIDGE POSITIONED OVER WESTERN AUSTRALIA THROUGH TAU 72 THEN RECURVE POLEWARD THROUGH TAU 120 AS A DEEP MIDLATITUDE TROUGH DIGS OVER SOUTHWESTERN AUSTRALIA. NUMERICAL MODEL GUIDANCE REMAINS IN FAIR AGREEMENT LENDING MODERATE CONFIDENCE TO THE JTWC FORECAST TRACK....

Estimated Wind Impacts

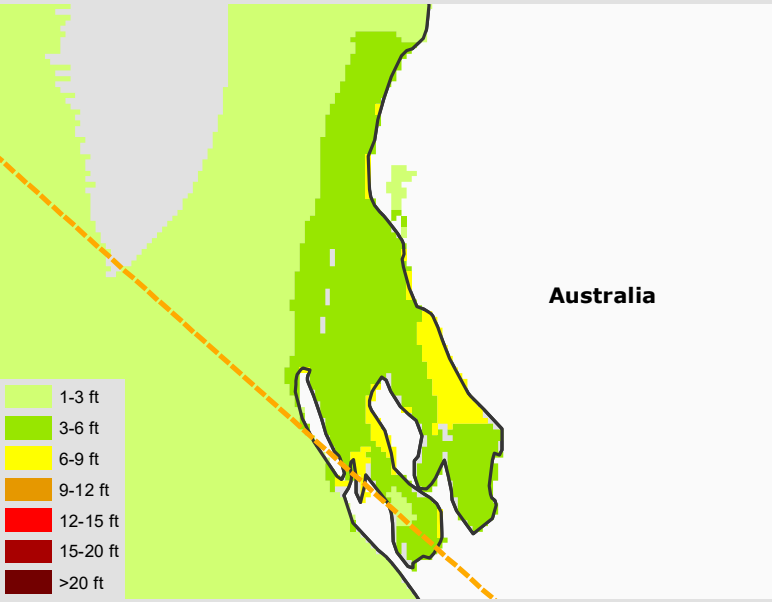


- ### Tropical Cyclone Positions
- Hurricane/Typhoon >150 mph
 - Hurricane/Typhoon > 74 mph
 - Tropical Storm: 39-73 mph
 - Tropical Depression: <39 mph
 - Current Cyclone Position

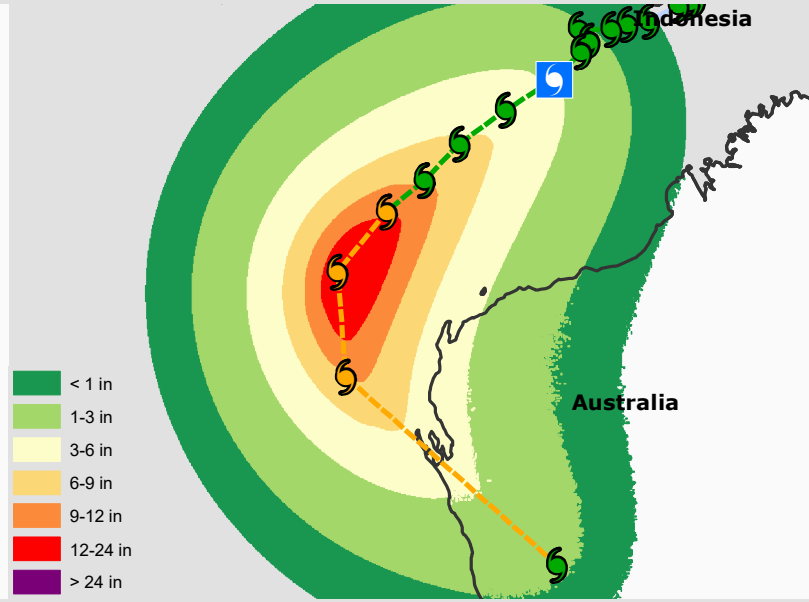
- ### Est Wind Impacts (TAOS)
- Small Trees Sway
 - Large Trees Sway
 - Branches Breaking
 - Trees Down; some power loss
 - Minor Damage; power out
 - Moderate Damage 5% of value
 - Widespread Damage
 - Severe Damage
 - Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

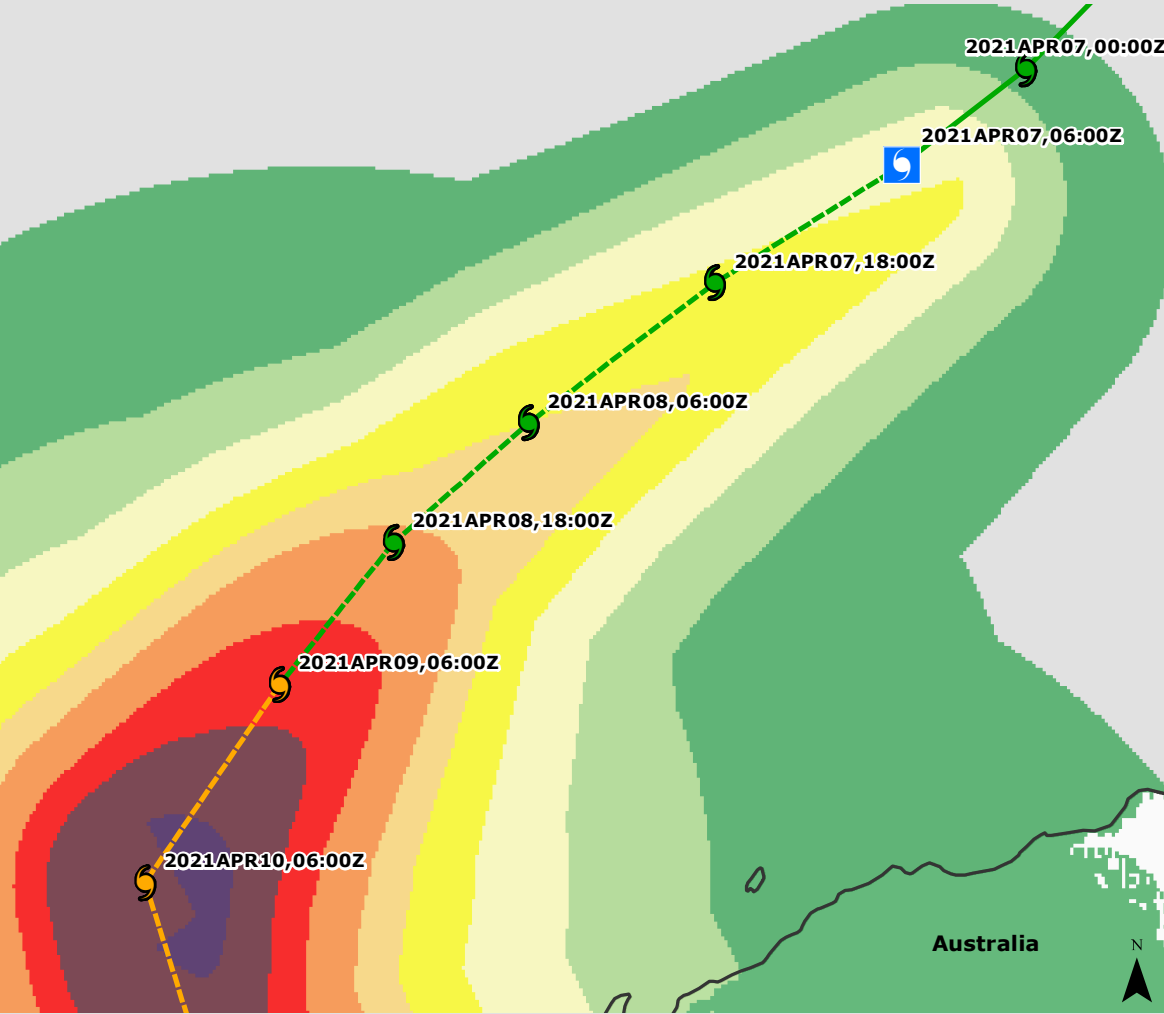
Warning 12, 07 April 2021 0900 UTC



PDC-26S-12A

JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 510 NM NORTH-NORTHEAST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 15 KNOTS OVER THE PAST SIX HOURS. ANIMATED MULTISPECTRAL SATELLITE IMAGERY (MSI) DEPICTS WELL-DEFINED LOW LEVEL CLOUD BANDS WRAPPING INTO A PARTIALLY EXPOSED LOW LEVEL CIRCULATION CENTER (LLCC) POSITIONED ON THE EASTERN EDGE OF FLARING, SHEARED CONVECTION. A 070525Z AMSR2 89GHZ COLOR COMPOSITE AND A 070645Z GMI 37GHZ MICROWAVE IMAGE SHOWED THE LOWER LEVEL CLOUD BANDS WRAPPING INTO A WELL DEFINED LLCC TO GOOD EFFECT AND LENT HIGH CONFIDENCE TO THE INITIAL POSITION. THE INITIAL INTENSITY IS ASSESSED AT 45 KNOTS WITH MODERATE CONFIDENCE BASED ON A BLEND OF MULTI-AGENCY DVORAK INTENSITY ESTIMATES BETWEEN T2.5-T3.0 (35 TO 45 KTS), AND AN ADT ESTIMATE OF T3.0. THE SYSTEM REMAINS COCOONED IN A MARGINALLY SUPPORTIVE ENVIRONMENT CHARACTERIZED BY MODERATE (15-20 KTS) EASTERLY VWS OFFSET BY DIFFLUENT FLOW ALOFT, THOUGH THERE IS NO DISTINCT OUTFLOW CHANNEL AT PRESENT. TC 26S IS FORECAST TO CONTINUE TRACKING SOUTHWESTWARD ALONG THE NORTHWEST PERIPHERY OF A DEEP-LAYER SUBTROPICAL RIDGE (STR) CENTERED OVER WESTERN AUSTRALIA THROUGH 72, BEFORE ROUNDING THE RIDGE AXIS NEAR TAU 72, AND THEN ACCELERATING SOUTHEASTWARD THROUGH TAU 120. THE SYSTEM IS EXPECTED TO MAKE LANDFALL SOUTH OF SHARK BAY NEAR TAU 108....

Estimated Wind Impacts



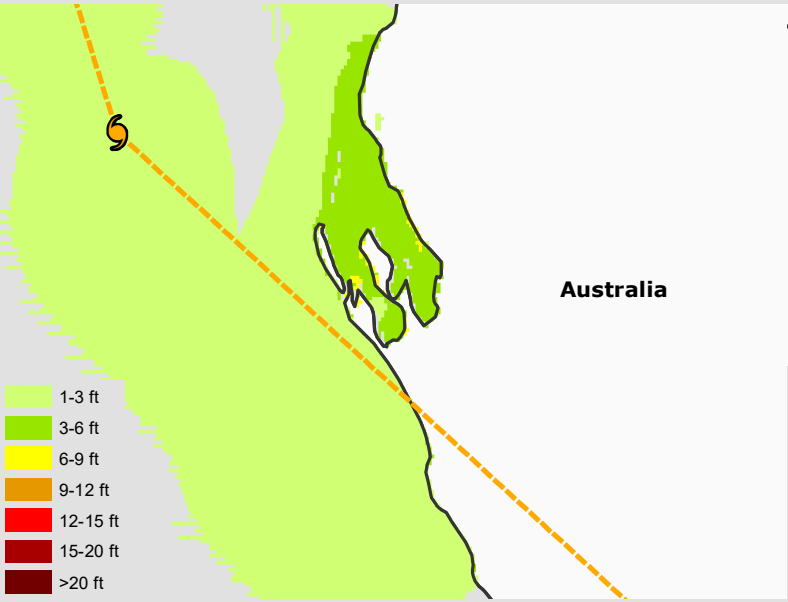
Tropical Cyclone Positions

- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

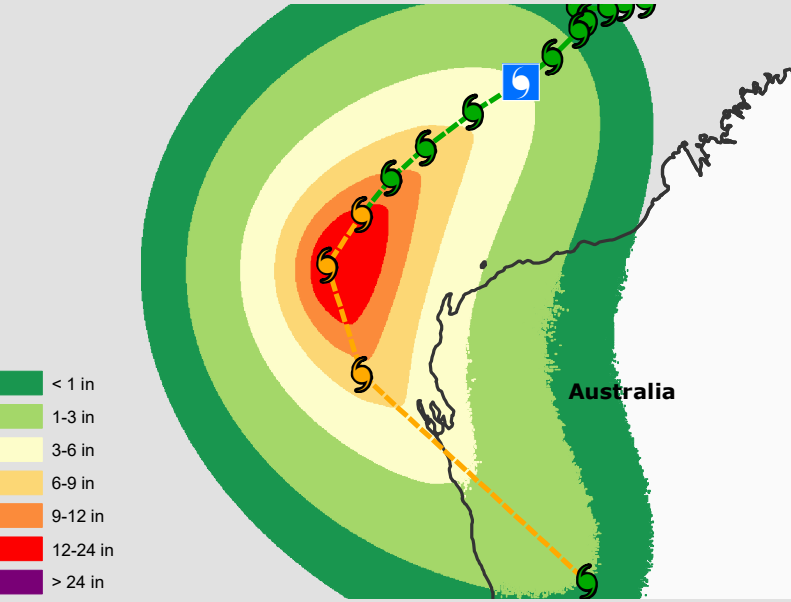
Est Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

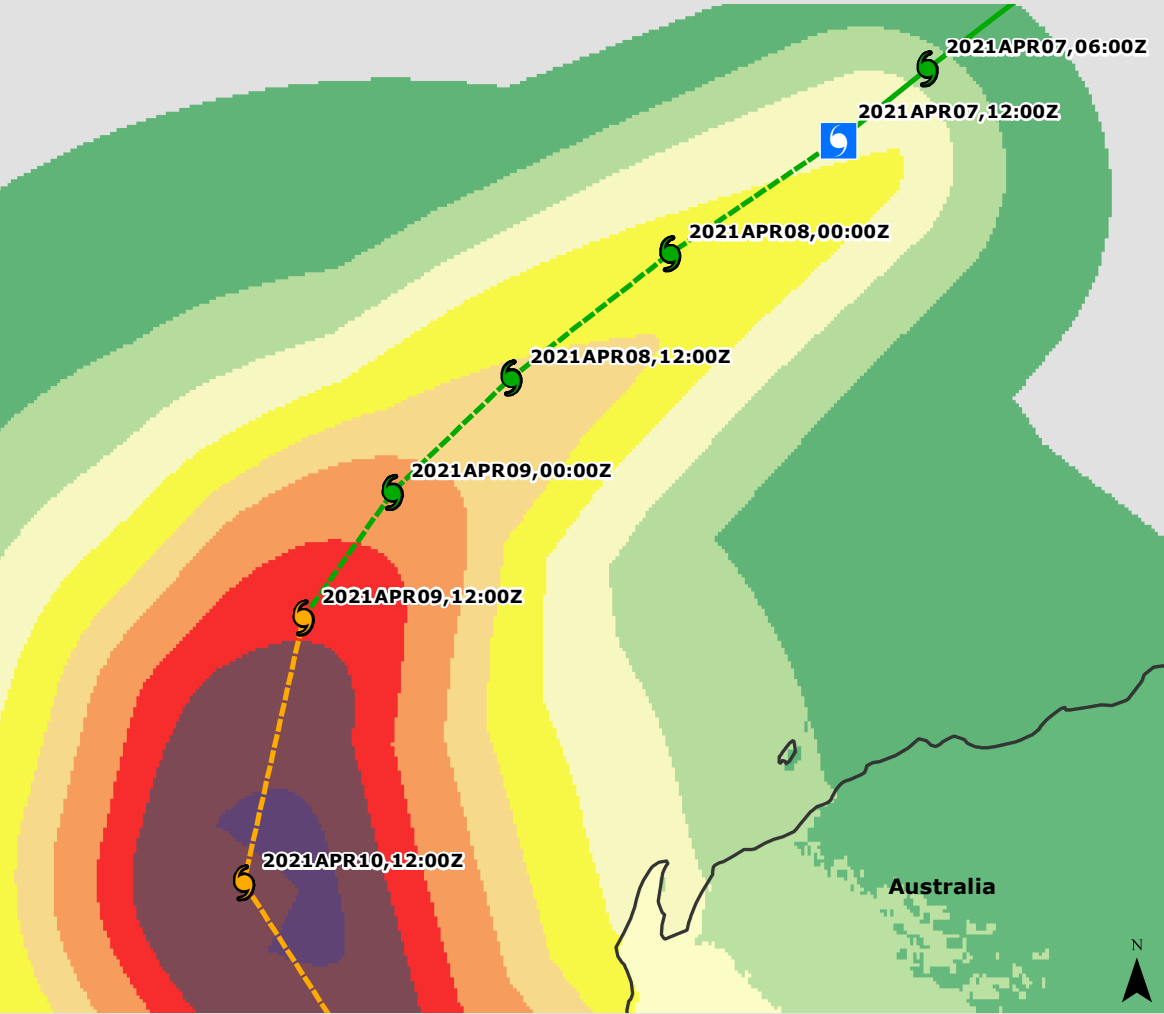
Warning 13, 07 April 2021 1500 UTC



PDC-26S-13A

JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 456 NM NORTH-NORTHEAST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 11 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED (EIR) SATELLITE IMAGERY SHOWS DISORGANIZED AND FRAGMENTED CONVECTION FLARING JUST WEST OF THE ASSESSED CORE OF TC 26S, INDICATIVE OF THE PERSISTENT EASTERLY VERTICAL WIND SHEAR (VWS). THE INITIAL POSITION IS ASSESSED WITH MODERATE CONFIDENCE BASED ON AN ANALYSIS OF THE LOW LEVEL SPIRAL BANDS EVIDENT ON THE EASTERN HALF OF THE LOW LEVEL CIRCULATION (LLC), SUPPORTED BY AN EXTRAPOLATION OF A WEAKLY DEFINED LLC IN A 070856Z SSMIS 91GHZ MICROWAVE IMAGE. THE INITIAL INTENSITY REMAINS SET AT 45 KNOTS WITH HIGH CONFIDENCE BASED ON MULTI-AGENCY DVORAK CURRENT INTENSITY ESTIMATES OF T3.0 (45 KTS) FROM BOTH PGTW AND APRF AND AN ADT ESTIMATE OF T3.1. WHILE STILL MARGINAL, ENVIRONMENTAL CONDITIONS HAVE IMPROVED SLIGHTLY, WITH CIMSS SHEAR ESTIMATES NOW BELOW 15 KNOTS AND WATER VAPOR IMAGERY STARTING SHOW SOME HINTS OF IMPROVED OUTFLOW ALOFT. TC 26S IS FORECAST TO CONTINUE TRACKING SOUTHWESTWARD ALONG THE NORTHWEST PERIPHERY OF A DEEP-LAYER SUBTROPICAL RIDGE (STR) OVER WESTERN AUSTRALIA THROUGH TAU 48, ROUND THE RIDGE AXIS NEAR TAU 72 AND THEN ACCELERATE SOUTHEASTWARD THROUGH TAU 120 AHEAD OF AN APPROACHING MID-LATITUDE TROUGH....

Estimated Wind Impacts

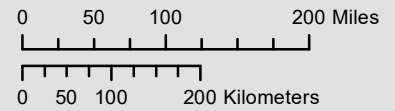


Tropical Cyclone Positions

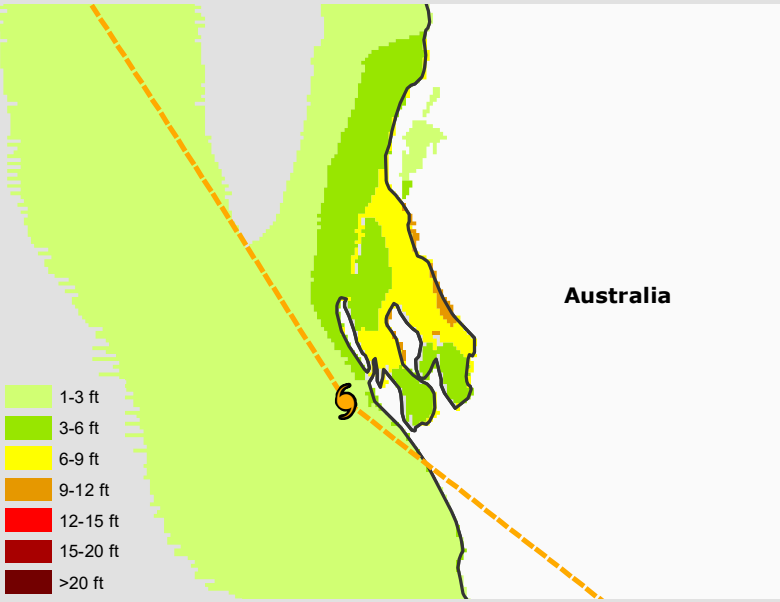
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

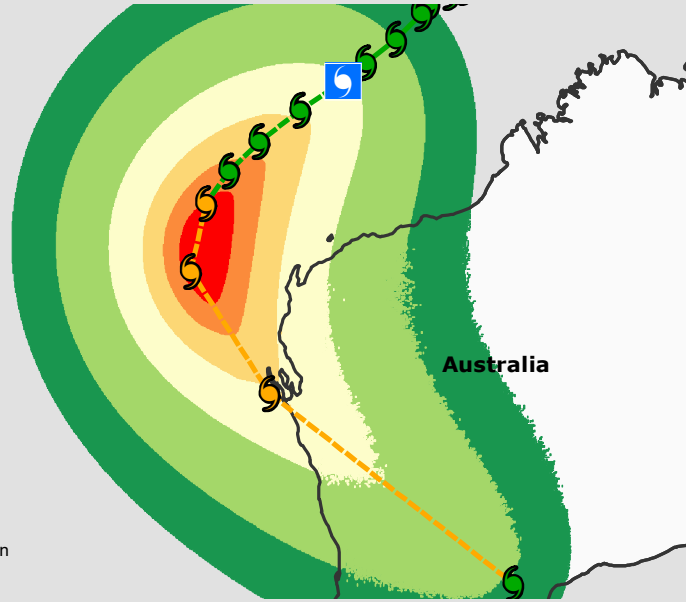


Estimated Still Water Storm Surge



- 1-3 ft
- 3-6 ft
- 6-9 ft
- 9-12 ft
- 12-15 ft
- 15-20 ft
- >20 ft

Estimated Tropical Cyclone Rainfall



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in

Tropical Cyclone Seroja - Estimated Impacts

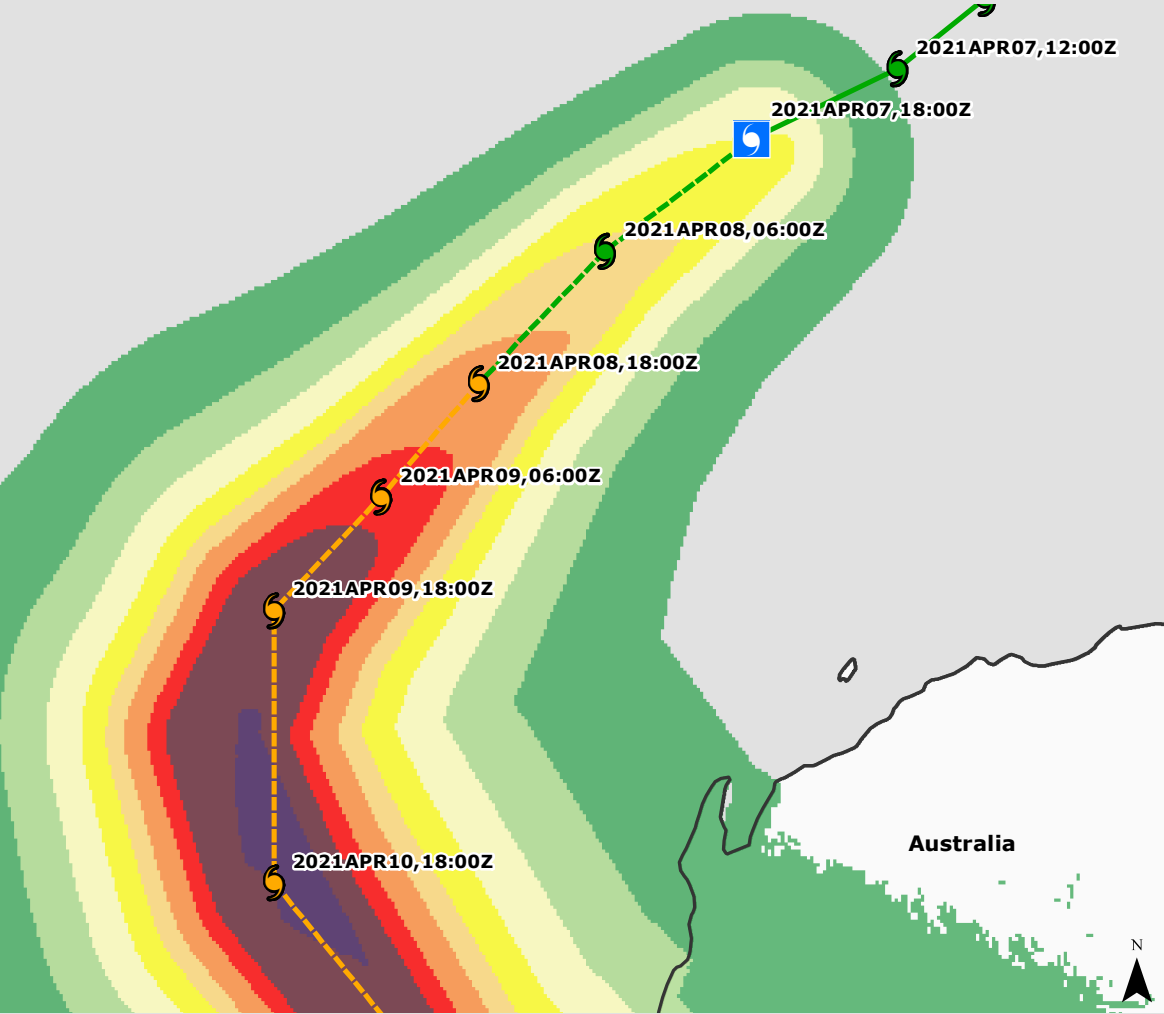
Warning 14, 07 April 2021 2100 UTC



PDC-26S-14A

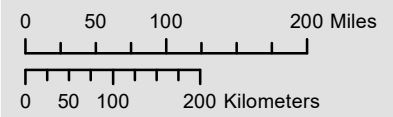
JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 402 NM NORTH OF LEARMONTH, AUSTRALIA, HAS TRACKED WEST-SOUTHWESTWARD AT 13 KNOTS OVER THE PAST SIX HOURS. ENHANCED INFRARED SATELLITE IMAGERY CONTINUES TO INDICATE A SHEARED TC, WITH DEEP CONVECTION CONFINED TO THE WESTERN SEMICIRCLE. HOWEVER, CURVED BANDING HAS BEEN IMPROVING IN COVERAGE ON THE SOUTH SIDE IN RECENT HOURS. THE CURRENT INTENSITY IS SET AT 45 KT BASED ON A BLEND OF DVORAK ESTIMATES OF T2.9 FROM ADT AND T3.5 FROM PGTW, AS WELL AS A SATCON ESTIMATE OF 46 KT. THE ENVIRONMENT AROUND TC 26S IS EXPECTED TO IMPROVE AS THE CYCLONE BEGINS TO ROUND THE WEAKER WESTERN PERIPHERY OF THE DEEP-LAYER RIDGE OVER WESTERN AUSTRALIA, WHICH WILL RESULT IN DECREASING VERTICAL SHEAR TO 5-10 KT DURING THE NEXT 24 HOURS. SIMULTANEOUSLY, A POCKET OF DEEP-LAYER MOISTURE IN THE CYCLONE'S NORTHEAST QUADRANT IS EXPECTED TO ADVECT INTO THE SOUTHEAST QUADRANT, WHICH IN COMBINATION WITH LOWER SHEAR SHOULD FACILITATE EXPANSION OF DEEP CONVECTION INTO THE EASTERN SEMICIRCLE. THIS EVOLUTION IS EXPECTED TO RESULT IN RAPID INTENSIFICATION BETWEEN 24 AND 48 HOURS. THEREAFTER, 26S WILL MOVE OVER COOLER SEA SURFACE TEMPERATURES OF 27-28C, COMPARED TO CURRENT VALUES OF 30C, AND VERTICAL SHEAR MAY INCREASE SLIGHTLY AS A MID-LATITUDE TROUGH APPROACHES FROM THE SOUTH. THUS, PEAK INTENSITY OF 110 KT IS EXPECTED AT 72 HOURS, FOLLOWED BY STEADY WEAKENING PRIOR TO LANDFALL IN WESTERN AUSTRALIA....

Estimated Wind Impacts

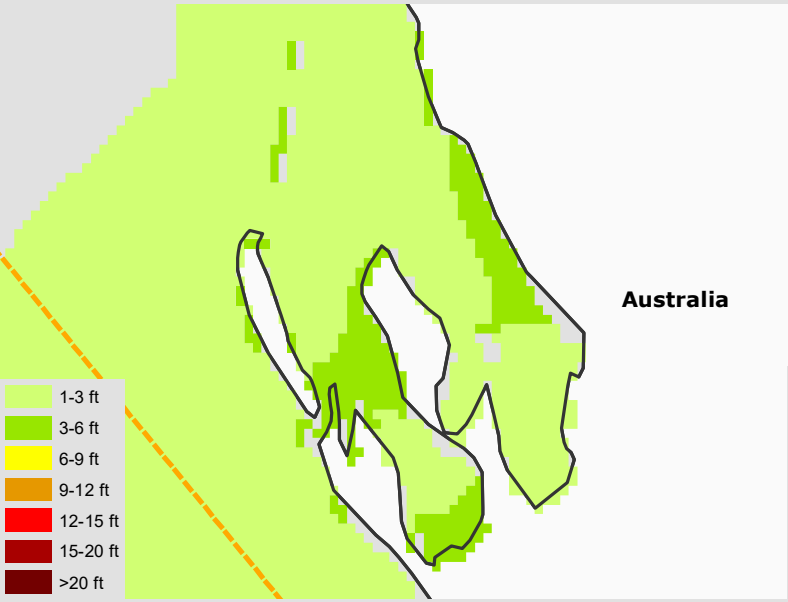


- ### Tropical Cyclone Positions
- Hurricane/Typhoon >150 mph
 - Hurricane/Typhoon > 74 mph
 - Tropical Storm: 39-73 mph
 - Tropical Depression: <39 mph
 - Current Cyclone Position

- ### Est Wind Impacts (TAOS)
- Small Trees Sway
 - Large Trees Sway
 - Branches Breaking
 - Trees Down; some power loss
 - Minor Damage; power out
 - Moderate Damage 5% of value
 - Widespread Damage
 - Severe Damage
 - Catastrophic Damage

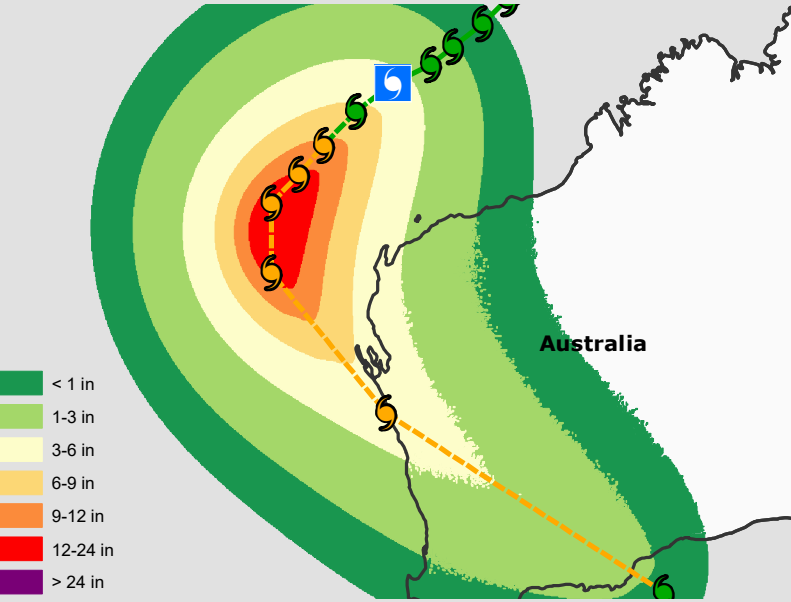


Estimated Still Water Storm Surge



- 1-3 ft
- 3-6 ft
- 6-9 ft
- 9-12 ft
- 12-15 ft
- 15-20 ft
- >20 ft

Estimated Tropical Cyclone Rainfall



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in

Tropical Cyclone Seroja - Estimated Impacts

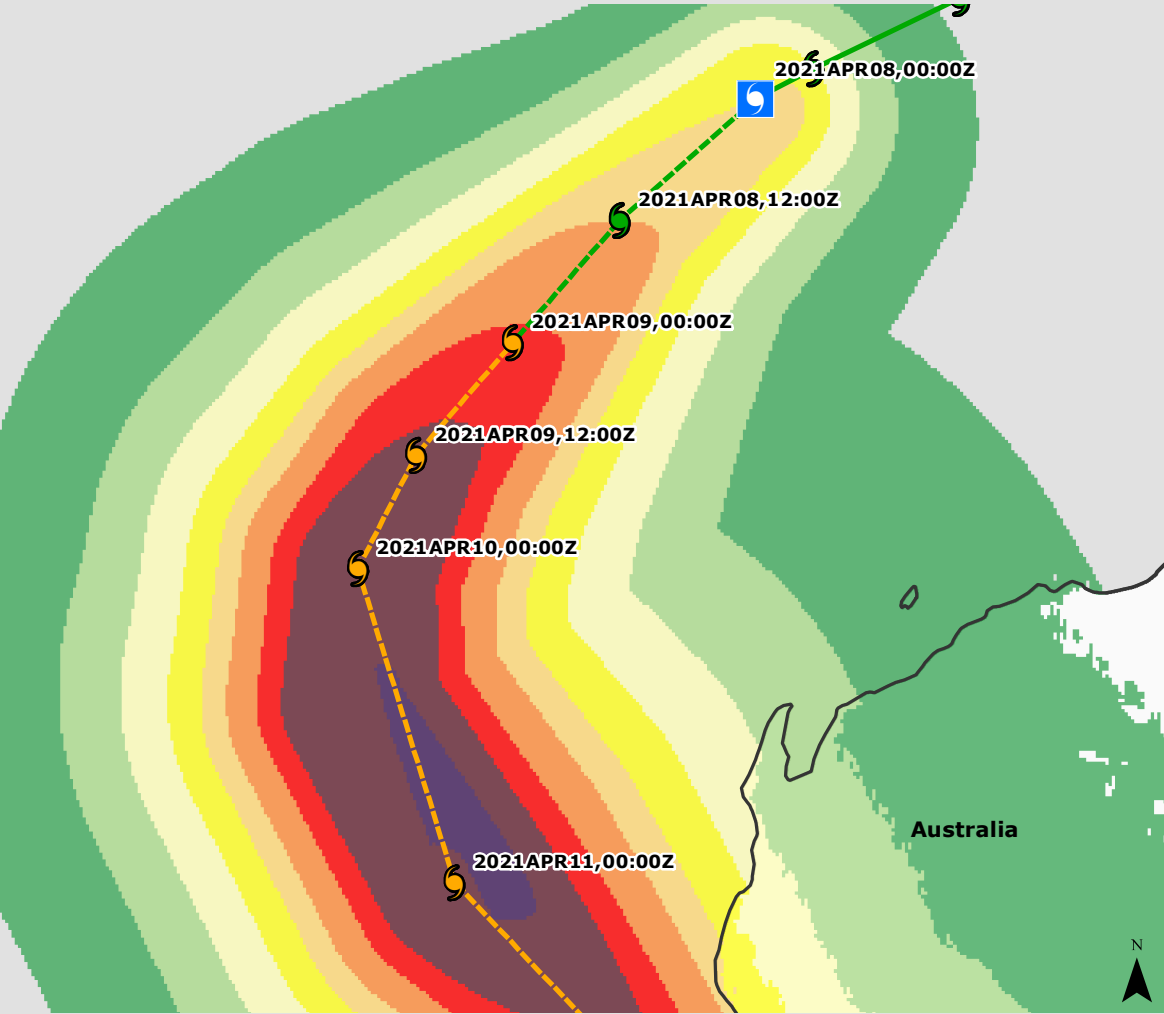
Warning 15, 08 April 2021 0300 UTC



PDC-26S-15A

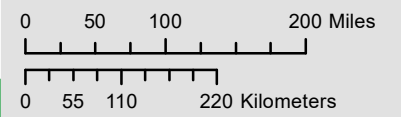
JTWC Summary: TROPICAL CYCLONE (TC) 26S (SEROJA), LOCATED APPROXIMATELY 384 NM NORTH OF LEARMONTH, AUSTRALIA, HAS TRACKED WEST-SOUTHWESTWARD AT 07 KNOTS OVER THE PAST SIX HOURS. ANIMATED 6-HOUR MULTISPECTRAL SATELLITE IMAGERY (MSI) SHOWS THE SYSTEM HAS FURTHER CONSOLIDATED WITH A DEEPEMED CENTRAL CONVECTION, ALBEIT REMAINING SHEARED SOUTHWESTWARD FROM THE LOW LEVEL CIRCULATION (LLC). THE INITIAL POSITION IS PLACED WITH FAIR CONFIDENCE AIDED BY LOW-CLOUD TRACING IN THE MSI LOOP INTO THE OBLSCURED LLC AND LINED UP WITH A DEFINED MICROWAVE LLC FEATURE IN THE 072005Z SSMIS 37GHZ. THE INITIAL INTENSITY OF 55KTS IS BASED ON THE DVORAK ESTIMATES OF T3.5/55KTS FROM PGTW AND KNES AND REFLECTS THE IMPROVED STATE OF THE SYSTEM. ANALYSIS INDICATES A FAVORABLE ENVIRONMENT WITH VERY WARM (30-31C) SEA SURFACE TEMPERATURE (SST) AND GOOD RADIAL OUTFLOW ALOFT SLIGHTLY OFFSET BY 10-15KT NORTHEASTERLY VERTICAL WIND SHEAR. TC 26S IS EXPECTED TO TRACK MORE SOUTHWESTWARD ALONG THE NORTHWEST PERIPHERY OF THE DEEP-LAYERED SUBTROPICAL RIDGE (STR) ANCHORED OVER WESTERN AUSTRALIA. AFTER TAU 24 AND UP TO TAU 48, THE CYCLONE MAY UNDERGO A SLIGHT PULL TO THE RIGHT AND/OR MINOR WOBBLING AS A RESULT OF BINARY INTERACTION WITH TC 27S THAT WILL APPROACH TC 26S TO WITHIN 250NM. AFTER TAU 48, A MID-LATITUDE SHORTWAVE TROUGH APPROACHING FROM THE SOUTHWEST WILL WEAKEN THE STR; IN RESPONSE, THE TC WILL BEGIN TO ROUND THE STR AXIS AND TRACK MORE SOUTHWARD THEN ACCELERATE SOUTHEASTWARD TOWARD THE GREAT AUSTRALIAN BIGHT....

Estimated Wind Impacts

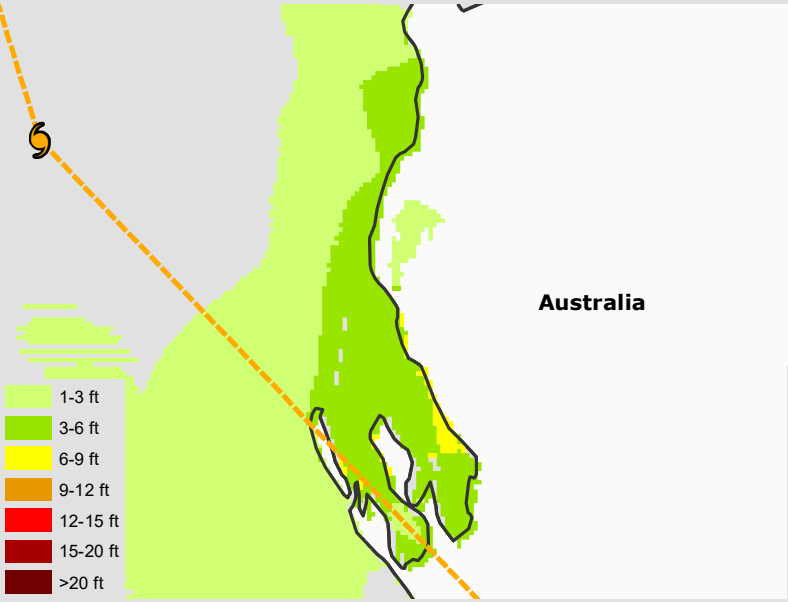


- ### Tropical Cyclone Positions
- Hurricane/Typhoon >150 mph
 - Hurricane/Typhoon > 74 mph
 - Tropical Storm: 39-73 mph
 - Tropical Depression: <39 mph
 - Current Cyclone Position

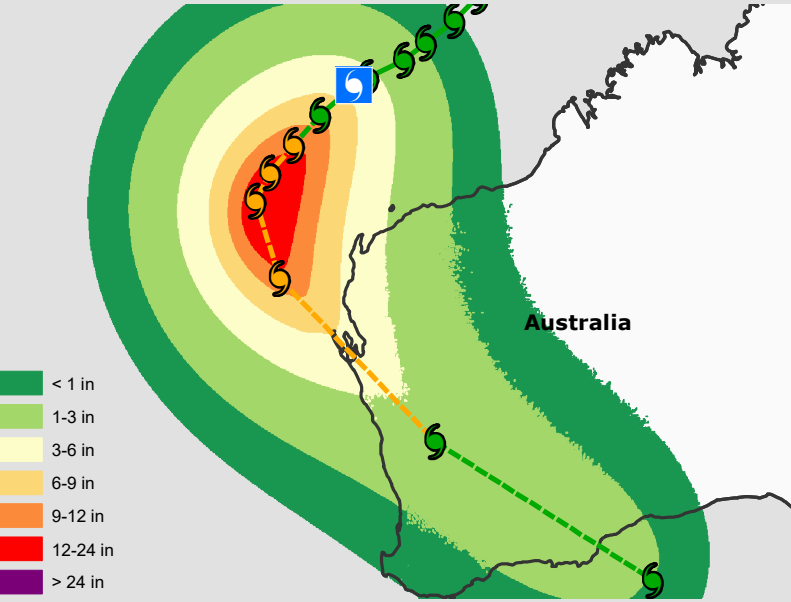
- ### Est Wind Impacts (TAOS)
- Small Trees Sway
 - Large Trees Sway
 - Branches Breaking
 - Trees Down; some power loss
 - Minor Damage; power out
 - Moderate Damage 5% of value
 - Widespread Damage
 - Severe Damage
 - Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

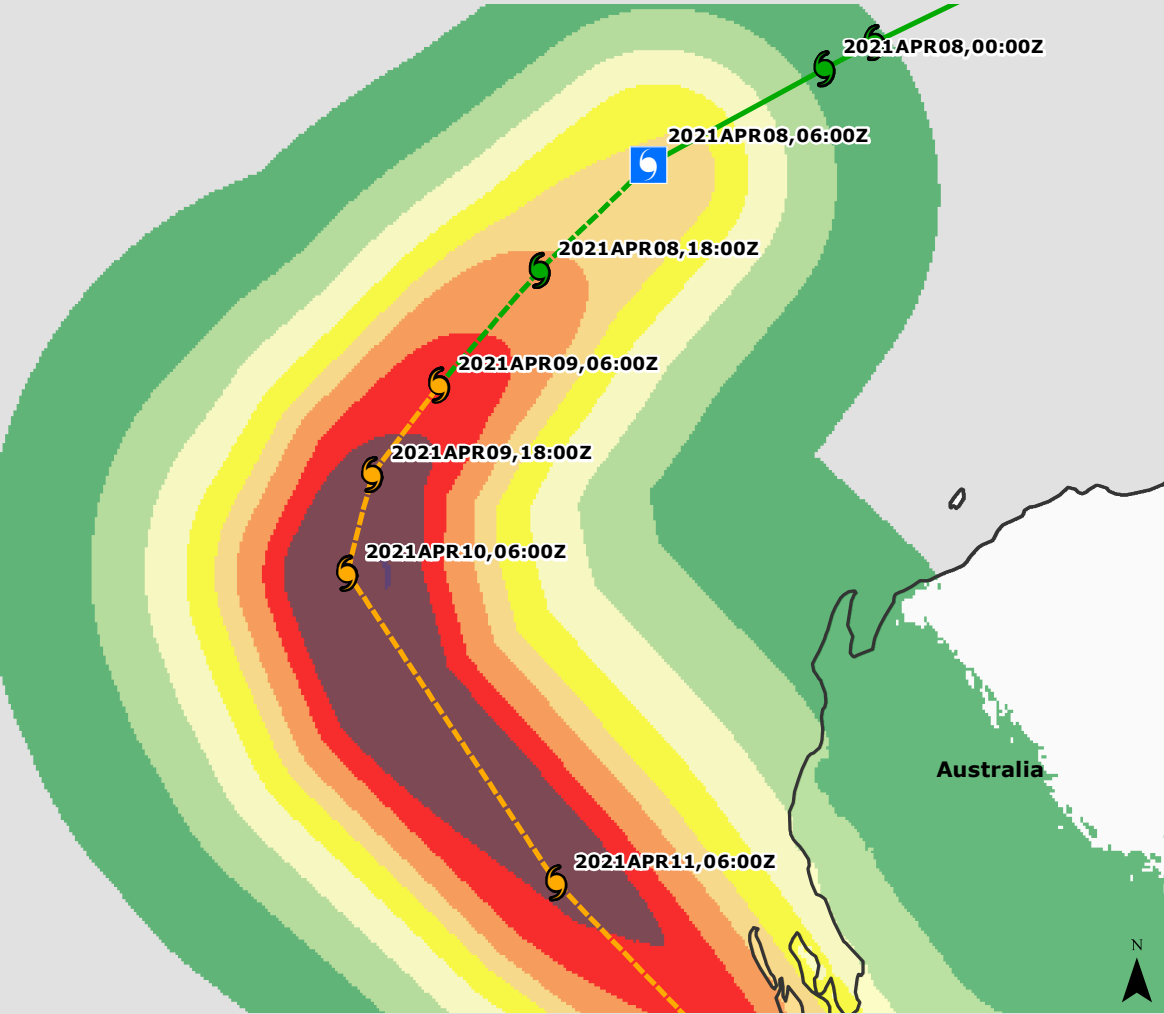
Warning 16, 08 April 2021 0900 UTC



PDC-26S-16A

JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 346 NM NORTH-NORTHWEST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 09 KNOTS OVER THE PAST SIX HOURS. ANIMATED MULTISPECTRAL SATELLITE IMAGERY (MSI) SHOWS THAT THE SYSTEM HAS BEEN SHEARED ON THE EASTERN SIDE PARTIALLY EXPOSING THE LOW LEVEL CIRCULATION (LLC). THE INITIAL POSITION IS PLACED WITH HIGH CONFIDENCE AIDED BY THE MSI LOOP AND LINED UP WITH A WELL-DEFINED MICROWAVE LLC FEATURE IN THE 080609Z AMSR2 36GHZ. THE INITIAL INTENSITY OF 55KTS IS HEDGED HIGHER THAN THE DVORAK ESTIMATES OF T3.0/45KTS FROM PGTW, KNES, T2.5/35KTS APRF AND THE ADVANCED DVORAK TECHNIQUE (ADT) OF T2.7(41KTS). ANALYSIS INDICATES A MARGINALLY FAVORABLE ENVIRONMENT WITH VERY WARM (30-31C) SEA SURFACE TEMPERATURE (SST) AND FAIR EASTERLY OUTFLOW ALOFT SLIGHTLY OFFSET BY 15-20KTS OF EASTERLY VERTICAL WIND SHEAR. TC 26S IS EXPECTED TO TRACK MORE SOUTHWESTWARD ALONG THE NORTHWEST PERIPHERY OF THE DEEP-LAYERED SUBTROPICAL RIDGE (STR) ANCHORED OVER WESTERN AUSTRALIA. AFTER TAU 12 AND UP TO TAU 24, THE CYCLONE MAY UNDERGO A SLIGHT PULL TO THE RIGHT WITH MINOR WOBBLING AS A RESULT OF BINARY INTERACTION WITH TC 27S THAT WILL APPROACH TC 26S WITHIN 230NM. AFTER TAU 36, A MID-LATITUDE SHORTWAVE TROUGH APPROACHING FROM THE SOUTHWEST WILL WEAKEN THE STR CAUSING THE TC TO BEGIN ROUNDING THE STR AXIS AND TO TRACK MORE SOUTHWARD BEFORE ACCELERATING SOUTHEASTWARD TOWARD THE GREAT AUSTRALIAN BIGHT....

Estimated Wind Impacts

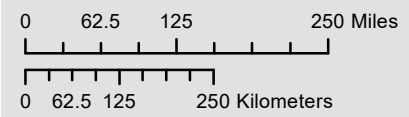


Tropical Cyclone Positions

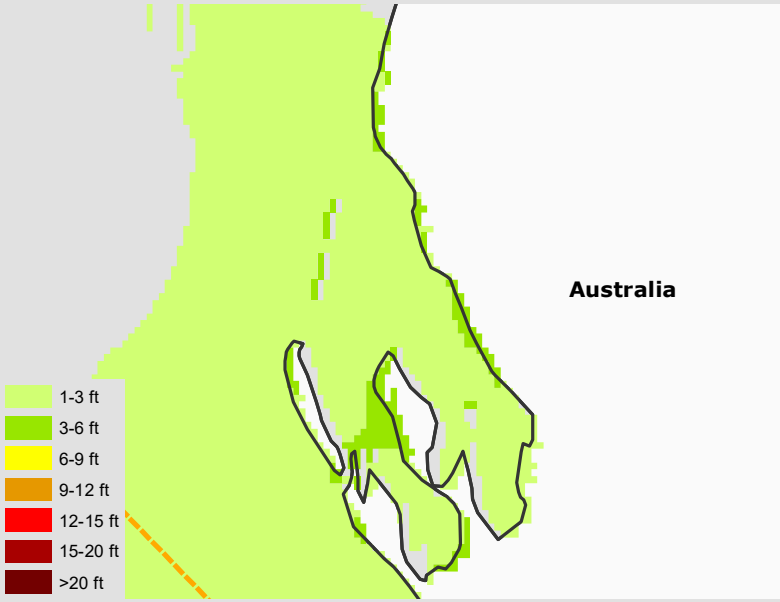
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

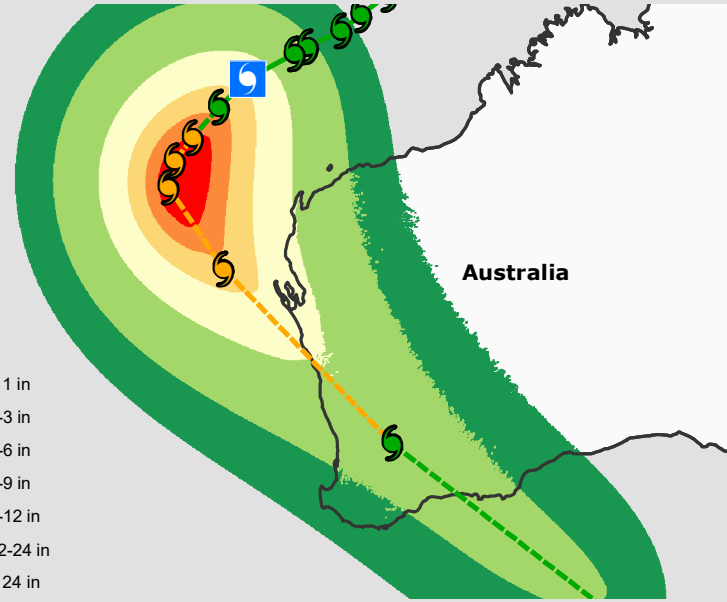


Estimated Still Water Storm Surge



- 1-3 ft
- 3-6 ft
- 6-9 ft
- 9-12 ft
- 12-15 ft
- 15-20 ft
- >20 ft

Estimated Tropical Cyclone Rainfall



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in

Tropical Cyclone Seroja - Estimated Impacts

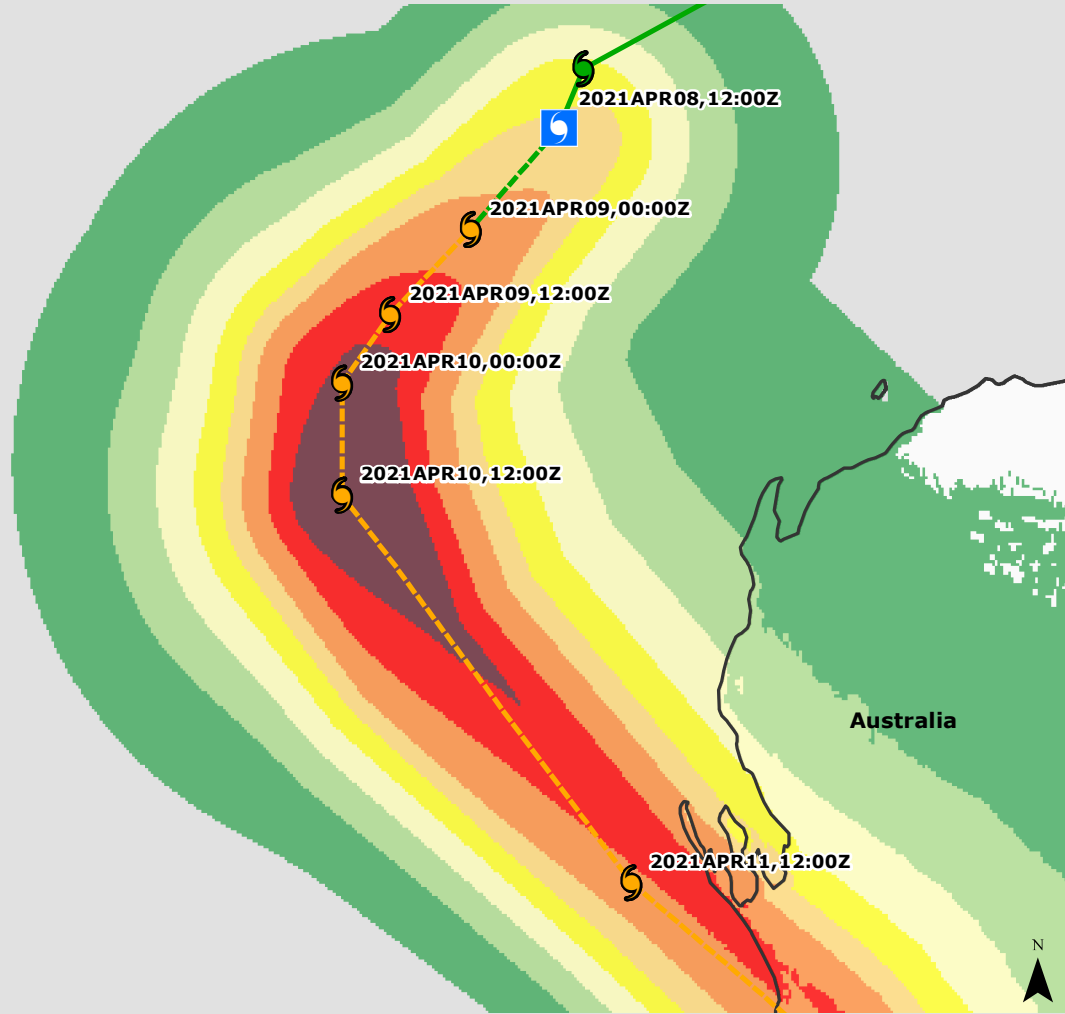
Warning 17, 08 April 2021 1500 UTC



PDC-26S-17A

JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 315 NM NORTH-NORTHWEST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTH-SOUTHWESTWARD AT 09 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED SATELLITE IMAGERY (EIR) INDICATES THE SYSTEM HAS CONTINUED TO BE BATTERED BY EASTERLY SHEAR. THE INITIAL POSITION IS PLACED WITH HIGH CONFIDENCE BASED UPON A 081127Z SSMIS 37GHZ IMAGE. THE INITIAL INTENSITY OF 55KTS IS HEDGED HIGHER THAN THE DVORAK ESTIMATES OF T2.5/35KTS FROM MULTIPLE DVORAK INTENSITY ESTIMATES FROM PGTW, KNES, AND APRF, AND HEDGED ABOVE SATELLITE CONSENSUS (SATCON) 44KTS AND THE ADVANCED DVORAK TECHNIQUE (ADT) OF T2.7 (41KTS). ANALYSIS INDICATES AN IMPROVING ENVIRONMENT WITH VERY WARM (30-31C) SEA SURFACE TEMPERATURE (SST), SLIGHT RADIAL OUTFLOW ALOFT, AND IMPROVING LIGHT TO MODERATE (10-15 KTS) EASTERLY VERTICAL WIND SHEAR. TC 26S IS EXPECTED TO TRACK SOUTHWESTWARD ALONG THE NORTHWEST PERIPHERY OF THE DEEP-LAYERED SUBTROPICAL RIDGE (STR) ANCHORED OVER WESTERN AUSTRALIA. THE CYCLONE IS EXPECTED TO SLIGHTLY WOBBLE AND PULL TO THE RIGHT AS A RESULT OF BINARY INTERACTION WITH TC 27S THAT WILL APPROACH TC 26S TO WITHIN 250NM. BETWEEN TAU 24 AND 36, A MID-LATITUDE SHORTWAVE TROUGH APPROACHING FROM THE SOUTHWEST WILL WEAKEN THE STR. IN RESPONSE, THE TC WILL BEGIN TO ROUND THE STR AXIS AND TRACK MORE SOUTHWARD THEN ACCELERATE SOUTHEASTWARD TOWARD THE AUSTRALIAN BIGHT....

Estimated Wind Impacts

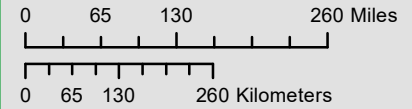


Tropical Cyclone Positions

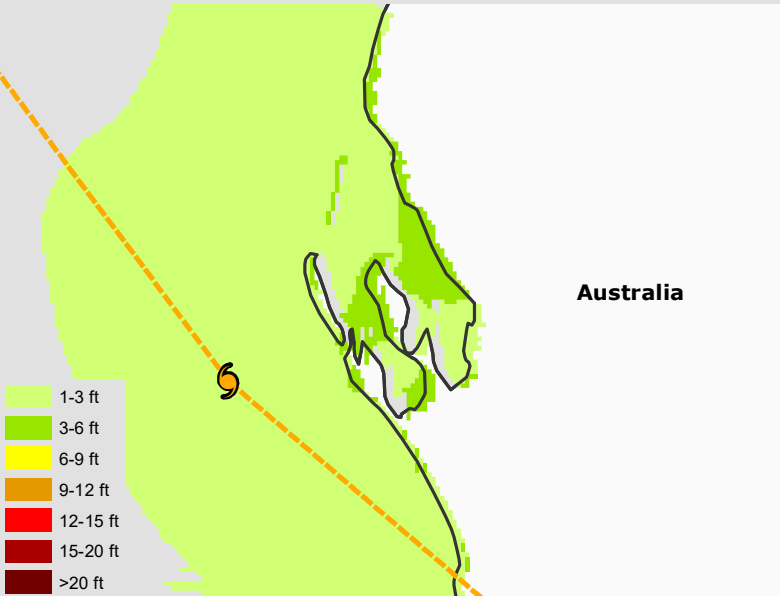
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

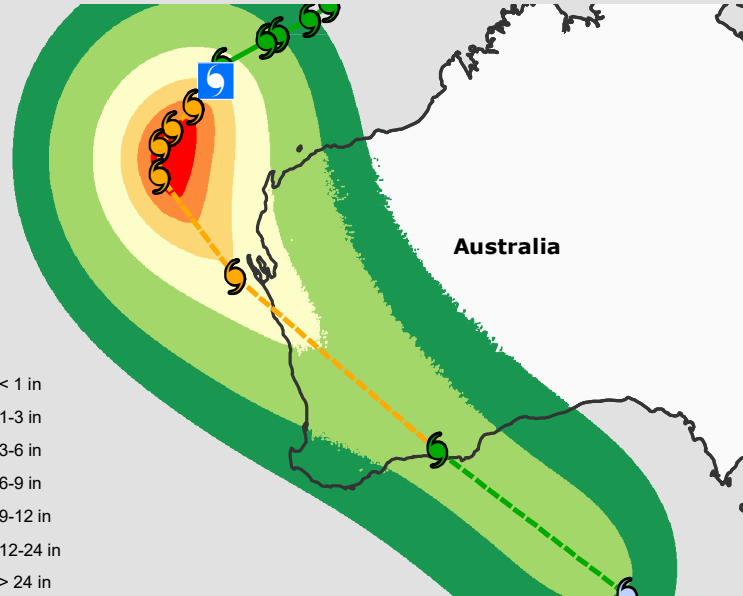


Estimated Still Water Storm Surge



- 1-3 ft
- 3-6 ft
- 6-9 ft
- 9-12 ft
- 12-15 ft
- 15-20 ft
- >20 ft

Estimated Tropical Cyclone Rainfall



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in

Tropical Cyclone Seroja - Estimated Impacts

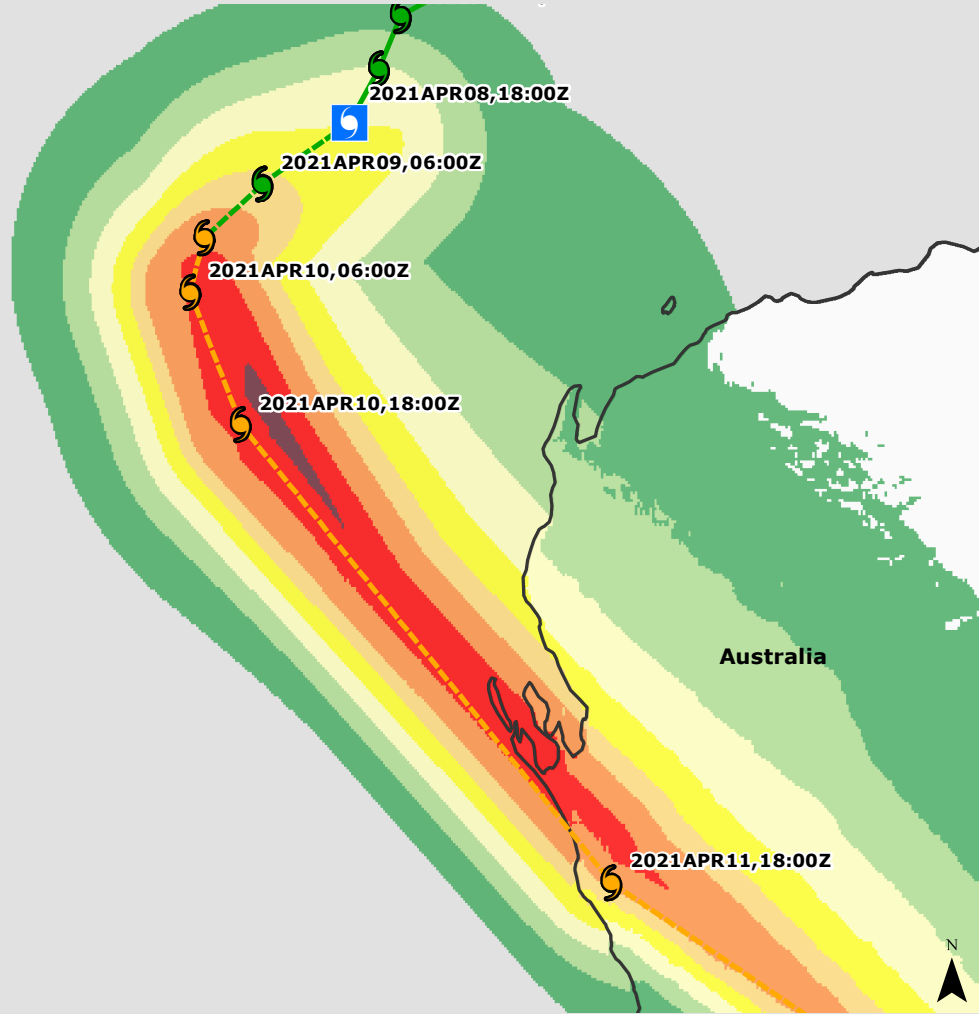
Warning 18, 08 April 2021 2100 UTC



PDC-26S-18A

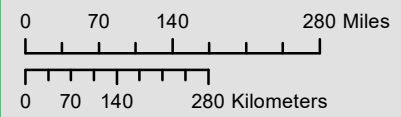
JTWC Summary: TROPICAL CYCLONE (TC) 26S (SEROJA), LOCATED APPROXIMATELY 292 NM NORTHWEST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTH- SOUTHWESTWARD AT 10 KTS OVER THE PAST SIX HOURS. THE CYCLONE HAS ATTAINED A MORE SYMMETRICAL APPEARANCE ON ENHANCED INFRARED SATELLITE IMAGERY TODAY, AS VERTICAL SHEAR HAS LESSENED SIGNIFICANTLY, AND CONVECTIVE BANDING HAS EXPANDED INTO THE EASTERN SEMICIRCLE, AS ANTICIPATED YESTERDAY. THE CONVECTIVE MODE HAS EVOLVED FROM THE LARGE BLOB ON THE WEST SIDE YESTERDAY TO A SYMMETRICAL BANDING PATTERN TODAY, WITH A TREND TOWARD INCREASING CONVECTIVE COVERAGE OVER THE INNER CORE DURING THE LAST 3 HOURS. THE CYCLONE HAS NOT YET INTENSIFIED, AND IN FACT MAX WINDS HAVE DECREASED TO 45 KT BASED ON AN 081141Z ASCAT PASS AND SATELLITE ESTIMATES OF 43 KT FROM SATCON AND A 081800Z T3.0 FIX FROM PGTW. THE SURROUNDING ENVIRONMENT IS HIGHLY FAVORABLE WITH SEA SURFACE TEMPERATURES OF 30C AND VERTICAL SHEAR LESS THAN 10 KT. HEALTHY RADIAL CIRRUS OUTFLOW IS OBSERVED IN ALL QUADRANTS EXCEPT SOUTHEAST. TC 26S IS EXPECTED TO CONTINUE TRACKING SOUTHWESTWARD DURING THE NEXT 24 HOURS AS IT ROUNDS THE PERIPHERY OF A DEEP-LAYER RIDGE OVER WESTERN AUSTRALIA. THE FORECAST HAS BEEN ADJUSTED A BIT WESTWARD AND SLOWER THROUGH 36 HOURS ALONG THE WESTERN SIDE OF THE MODEL GUIDANCE ENVELOPE. THIS IS DUE TO BINARY INTERACTION WITH TC 27S THAT APPEARS TO BE TUGGING TC 26S A BIT MORE TO THE WEST THAN RECENT MODEL RUNS ANTICIPATED, POSSIBLY DUE TO TC 26S BEING WEAKER THAN EXPECTED TODAY....

Estimated Wind Impacts

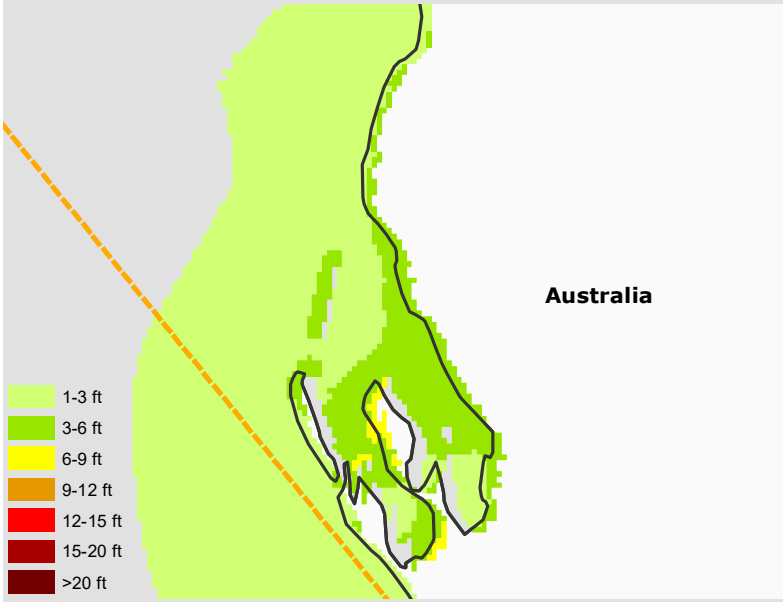


- ### Tropical Cyclone Positions
- Hurricane/Typhoon >150 mph
 - Hurricane/Typhoon > 74 mph
 - Tropical Storm: 39-73 mph
 - Tropical Depression: <39 mph
 - Current Cyclone Position

- ### Est Wind Impacts (TAOS)
- Small Trees Sway
 - Large Trees Sway
 - Branches Breaking
 - Trees Down; some power loss
 - Minor Damage; power out
 - Moderate Damage 5% of value
 - Widespread Damage
 - Severe Damage
 - Catastrophic Damage

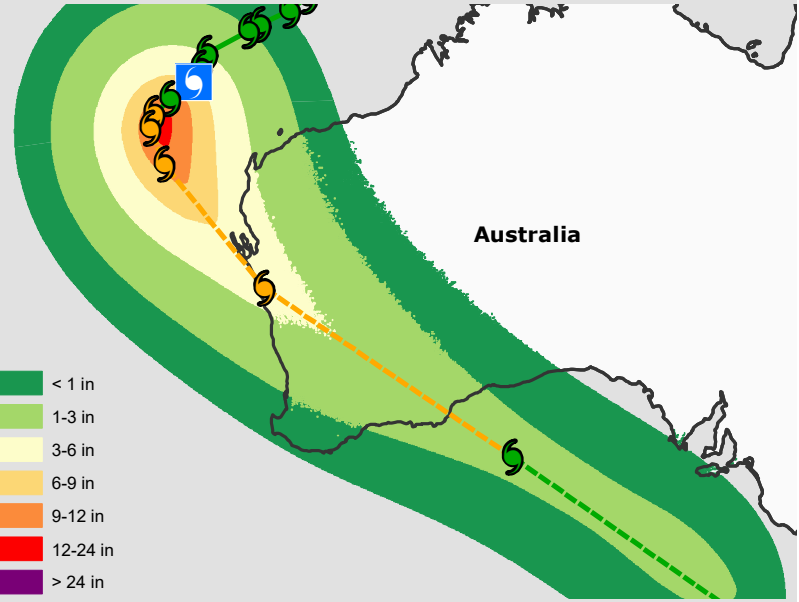


Estimated Still Water Storm Surge



- 1-3 ft
- 3-6 ft
- 6-9 ft
- 9-12 ft
- 12-15 ft
- 15-20 ft
- >20 ft

Estimated Tropical Cyclone Rainfall



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in

Tropical Cyclone Seroja - Estimated Impacts

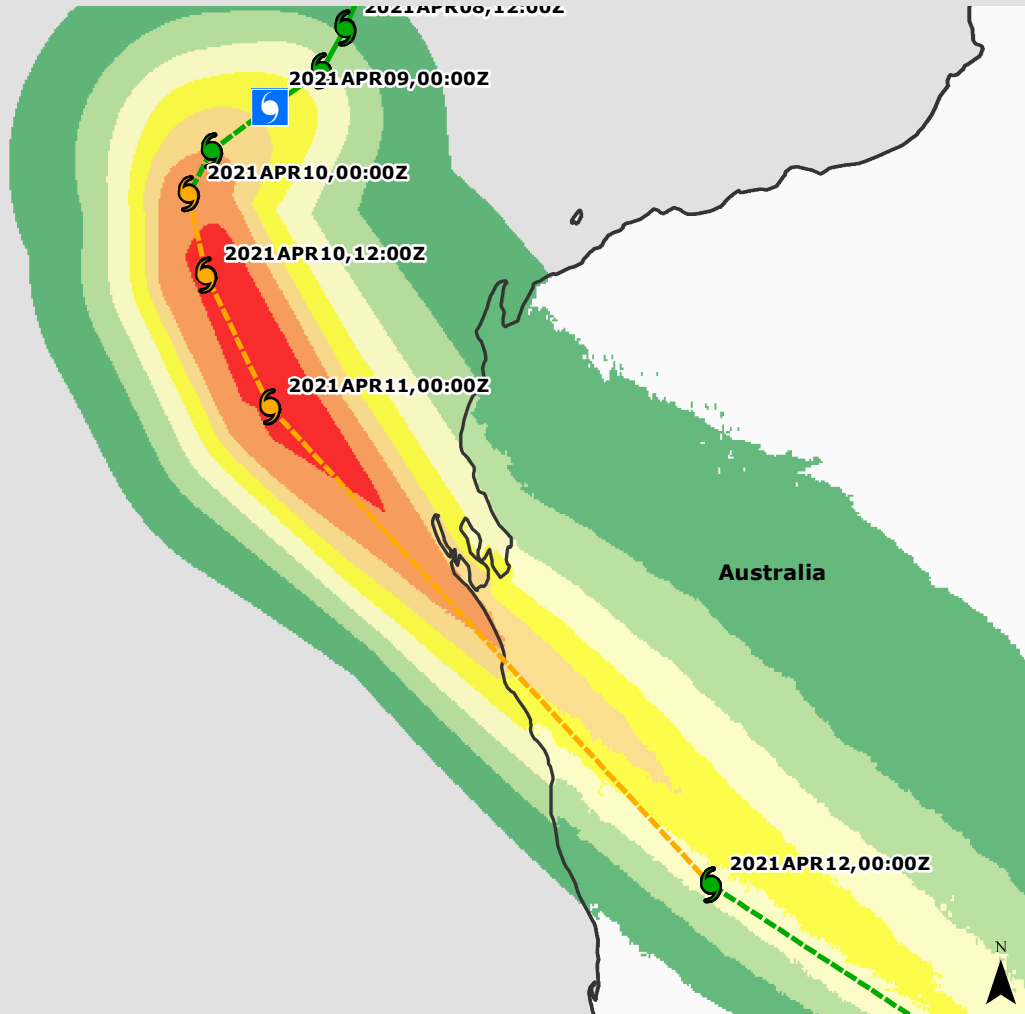
Warning 19, 09 April 2021 0300 UTC



PDC-26S-19A

JTWC Summary: TROPICAL CYCLONE (TC) 26S (SEROJA), LOCATED APPROXIMATELY 299 NM NORTHWEST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 10 KNOTS OVER THE PAST SIX HOURS. MULTISPECTRAL SATELLITE IMAGERY SHOWS A GRADUALLY ORGANIZING CYCLONE, WITH DEEP CONVECTIVE COVERAGE INCREASING DURING THE LAST 6 HOURS. A 082240Z SSMIS MICROWAVE IMAGE SHOWED TWO PRIMARY BANDS IN THE NORTHERN AND SOUTHERN SEMICIRCLES WRAPPING INTO THE LOW LEVEL CENTER (LLC). FULL AZIMUTHAL COVERAGE OF DEEP CONVECTION AROUND THE LLC HAS NOT YET COMPLETED, INDICATING THAT THE PERIOD OF QUICKEST INTENSIFICATION HAS LIKELY NOT BEGUN YET. THE CURRENT INTENSITY IS HELD AT 45 KTS BASED ON A PGTW DVORAK ESTIMATE OF T3.0 AND A SATCON ESTIMATE OF 44 KTS. THE LARGE-SCALE ENVIRONMENT REMAINS FAVORABLE, WITH LOW SHEAR AND EXPANSIVE UPPER-LEVEL OUTFLOW. SEROJA AND TC 27S (ODETTE) ARE NOW CLOSELY INTERTWINED, SEPARATED BY ONLY 320 NM. ODETTE IS THE SMALLER CYCLONE, AND IS NOT EXPECTED TO PREVENT SEROJA FROM INTENSIFYING, BUT ITS PRESENCE MAY CAUSE SOME DISRUPTION. ARC CLOUDS EMANATING FROM THE EASTERN SIDE OF ODETTE ARE SEEN JUST TO THE NORTH OF SEROJA, INDICATING A DRIER, COOLER AIR MASS MODIFIED BY DOWNDRAFTS THAT MAY FOLLOW THE LOW-LEVEL FLOW INTO SEROJA'S CIRCULATION AND PERIODICALLY INTERRUPT CONVECTION. HOWEVER, A PERIOD OF SWIFT INTENSIFICATION REMAINS EXPECTED BETWEEN 12 AND 36 HOURS ONCE SEROJA COMPLETES FORMATION OF AN INNER CORE....

Estimated Wind Impacts

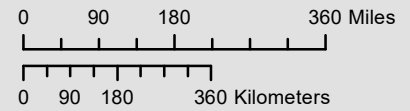


Tropical Cyclone Positions

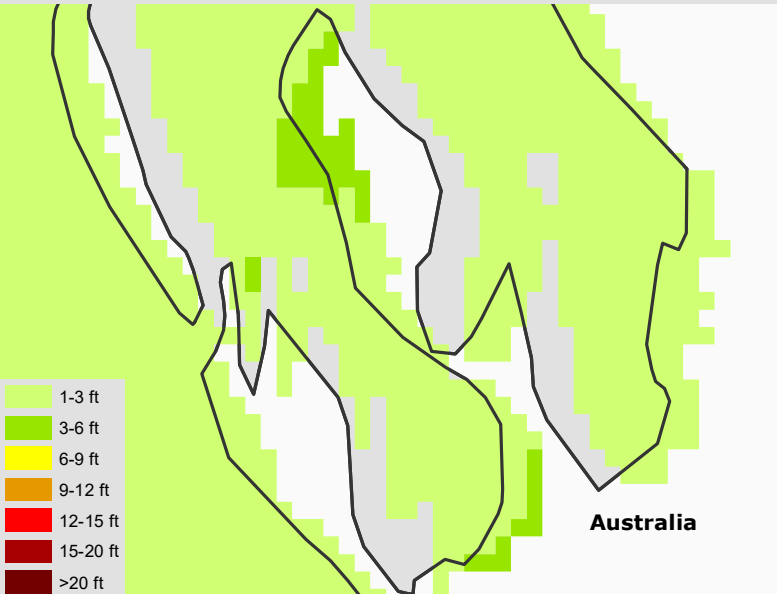
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

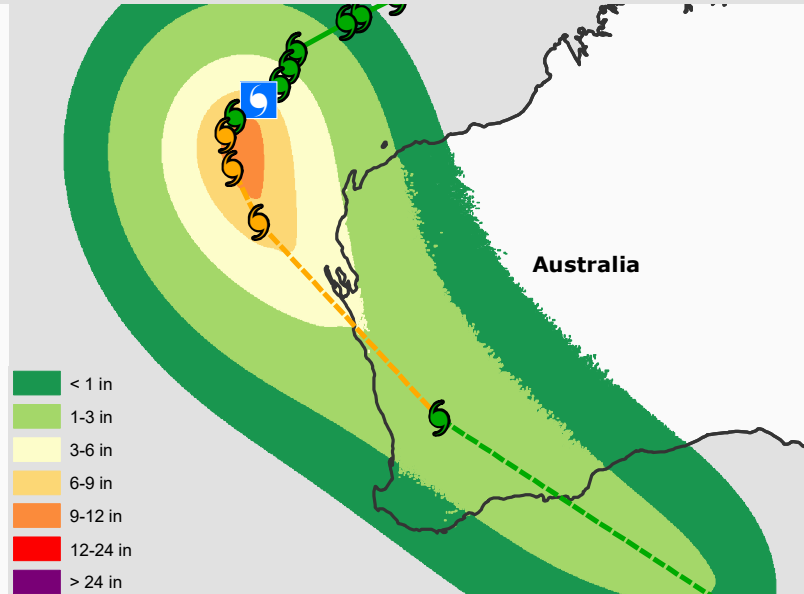
- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

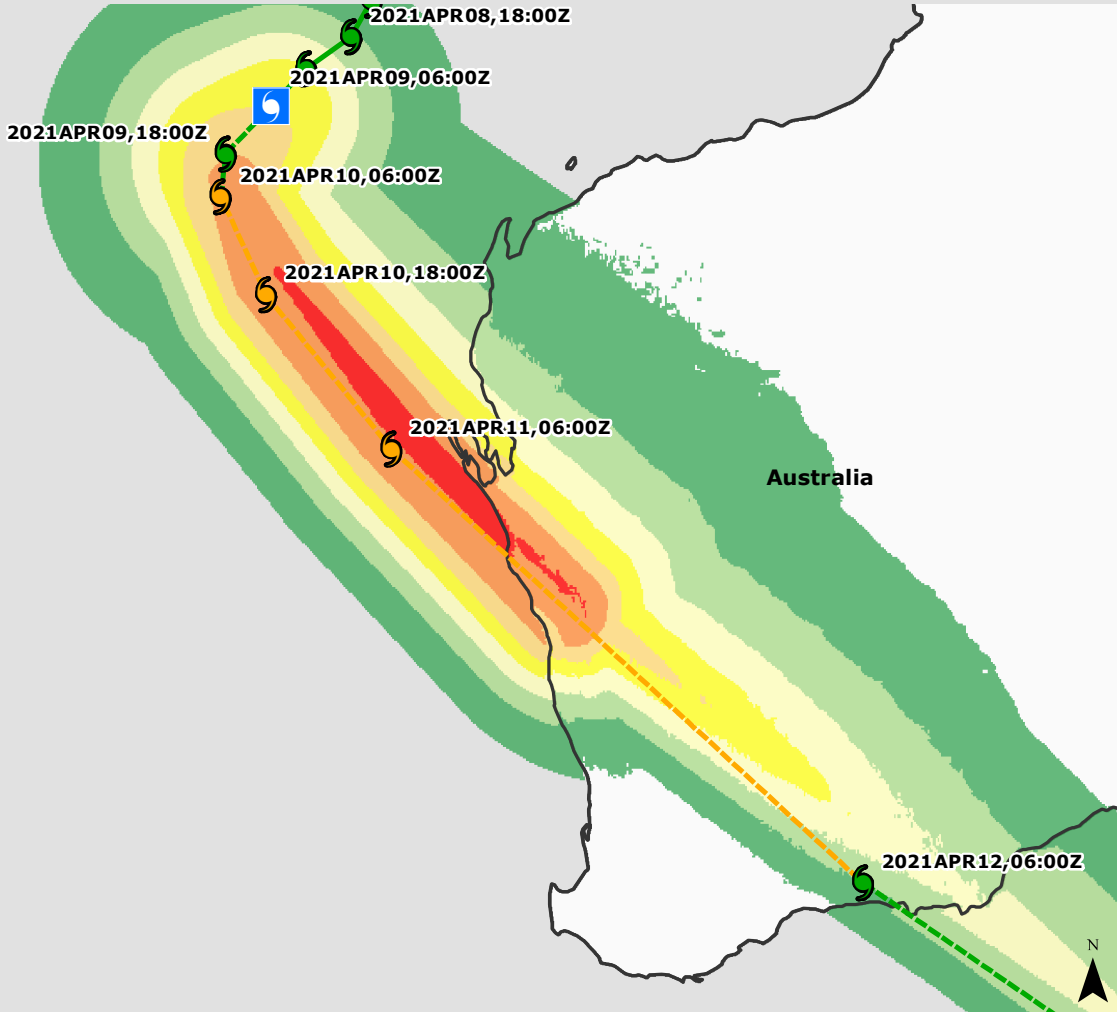
Warning 20, 09 April 2021 0900 UTC



PDC-26S-20A

JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 306 NM WEST-NORTHWEST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 10 KNOTS OVER THE PAST SIX HOURS. MULTISPECTRAL SATELLITE IMAGERY (MSI) SHOWS DEEP CONVECTION WRAPPING AROUND A LOW LEVEL CIRCULATION CENTER. THE INITIAL POSITION IS PLACED WITH HIGH CONFIDENCE BASED UPON THE MSI LOOP AND MULTIPLE DVORAK AGENCY FIX POSITIONS AND A TIMELY 090556Z ATMS MICROWAVE IMAGE WHICH INDICATES TWO PRIMARY BANDS IN THE NORTHERN AND SOUTHERN SEMICIRCLES WRAPPING ALMOST COMPLETELY AROUND THE LOW LEVEL CENTER (LLC). THE CURRENT INTENSITY OF 50 KNOTS IS ADJUSTED SLIGHTLY HIGHER THAN MULTIPLE DVORAK AGENCY ESTIMATES FROM PGTW AND APRF WITH DVORAK ESTIMATES OF T3.0. THE ADVANCED DVORAK TECHNIQUE (ADT) T2.9 (43KTS), A SATELLITE CONSENSUS (SATCON) ESTIMATE OF 48KTS, AND SLIGHTLY LOWER THAN KNES T3.5 (55KTS). THE ENVIRONMENT REMAINS FAVORABLE, WITH LOW TO MODERATE (10- 15KTS) VERTICAL WIND SHEAR AND DECENT RADIAL OUTFLOW FROM A POINT SOURCE ALOFT. TC26S (SEROJA) AND TC 27S (ODETTE) ARE NOW INTERACTING AS THEY ARE ONLY SEPARATED BY AN ESTIMATED 290NM. ODETTE REMAINS THE SMALLER CYCLONE OF THE TWO AND IS NOT EXPECTED TO PREVENT SEROJA FROM INTENSIFYING AS ODETTE IS NOW DECOUPLING FROM THE UPPER LEVEL OUTFLOW. THE PRESENCE OF TC 27S HAS CAUSED SOME SLIGHT DISRUPTION AND PULLED SEROJA SLIGHTLY TO THE NORTH OF ITS ORIGINAL TRACK....

Estimated Wind Impacts

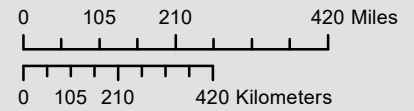


Tropical Cyclone Positions

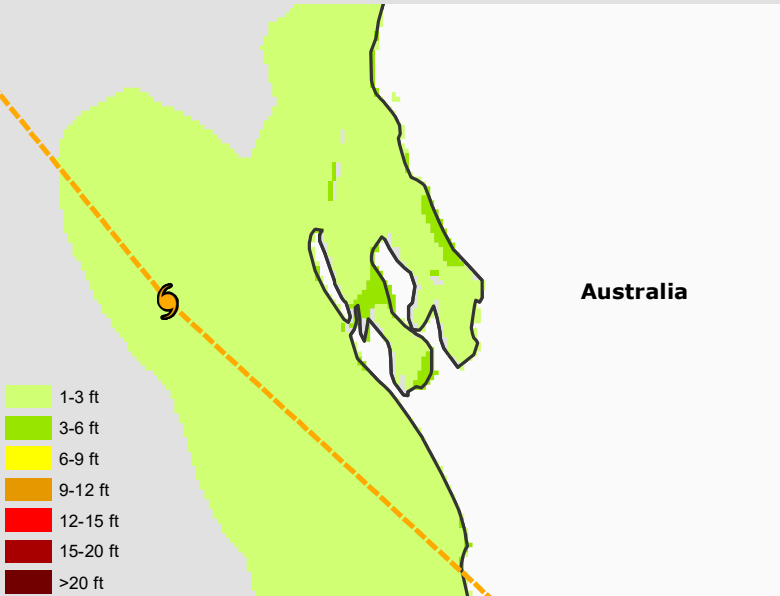
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

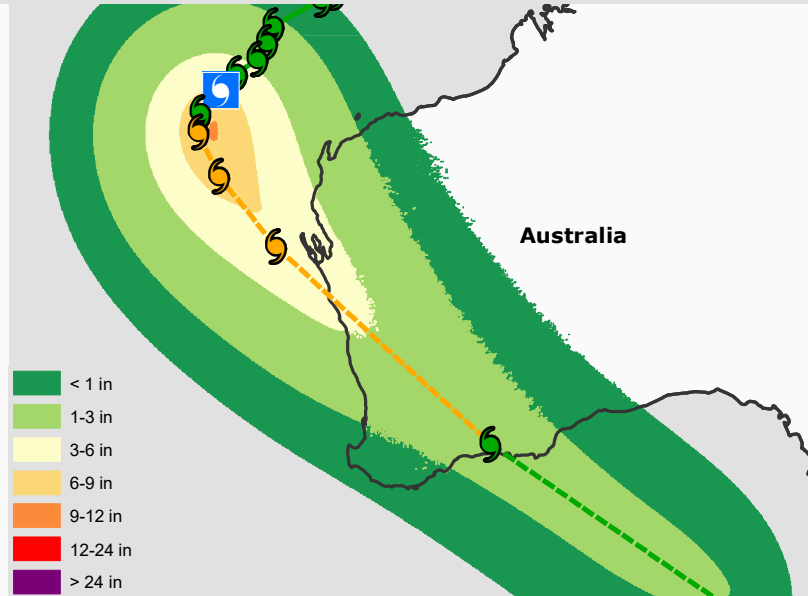
- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

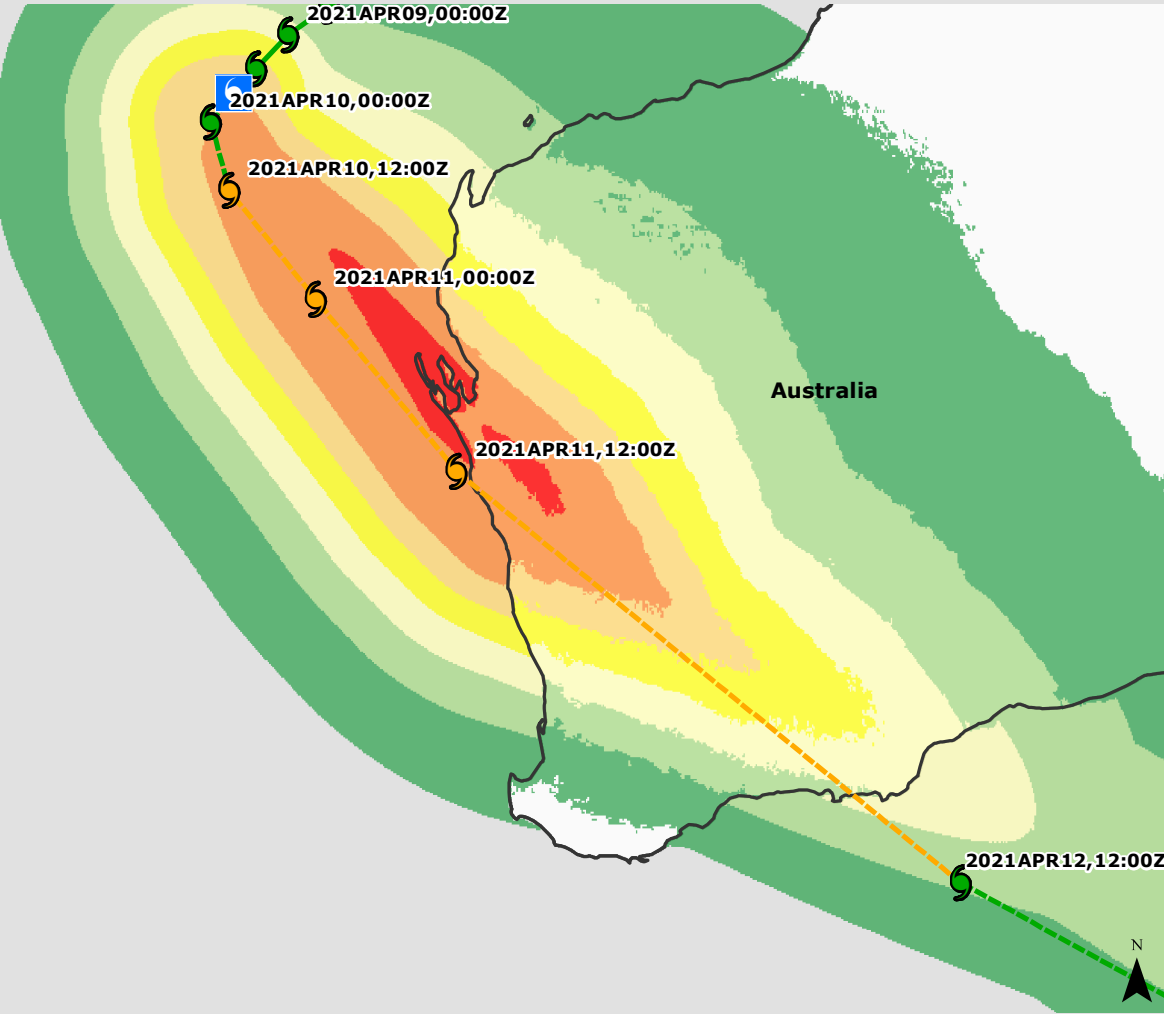
Warning 21, 09 April 2021 1500 UTC



PDC-26S-21A

JTWC Summary: TROPICAL CYCLONE 26S (SEROJA), LOCATED APPROXIMATELY 317 NM WEST-NORTHWEST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 07 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED SATELLITE IMAGERY (EIR) SHOWS DEEP CONVECTION COMPLETELY WRAPPING AROUND A COMPACT LOW LEVEL CIRCULATION (LLC). THE INITIAL POSITION IS PLACED WITH HIGH CONFIDENCE BASED UPON THE EIR LOOP AND MULTIPLE DVORAK AGENCY FIX POSITIONS AND A MICROWAVE EYE OBSERVED ON THE 091113Z SSMIS 37GHZ IMAGE. THE CURRENT INTENSITY OF 55 KNOTS IS SUPPORTED WITH MULTIPLE DVORAK AGENCY ESTIMATES FROM PGTW AND APRF WITH DVORAK ESTIMATES OF T3.5(55KTS). KNES IS MARKED SLIGHTLY HIGHER AT T4.0(65KTS), WHILE THE ADVANCED DVORAK TECHNIQUE (ADT) IS LOWER AT T3.0(45KTS). THE ENVIRONMENT REMAINS FAVORABLE, WITH LOW TO MODERATE (10-15KTS) VERTICAL WIND SHEAR AND STRONG POLEWARD OUTFLOW ALOFT. TC26S (SEROJA) AND TC 27S (ODETTE) ARE CONTINUING TO INTERACT AS THEY ARE ONLY SEPARATED BY AN ESTIMATED 295NM. ODETTE REMAINS THE SMALLER CYCLONE OF THE TWO AND IS NOT EXPECTED TO PREVENT SEROJA FROM INTENSIFYING AS ODETTE HAS DECOUPLED AND BECOME PARTLY EXPOSED. A PERIOD OF SWIFT INTENSIFICATION REMAINS POSSIBLE AS SEROJA COMPLETES FORMATION OF AN INNER CORE AND ROUNDS THE RIDGE AXIS TO THE WEST THROUGH TAU 36....

Estimated Wind Impacts



Tropical Cyclone Positions

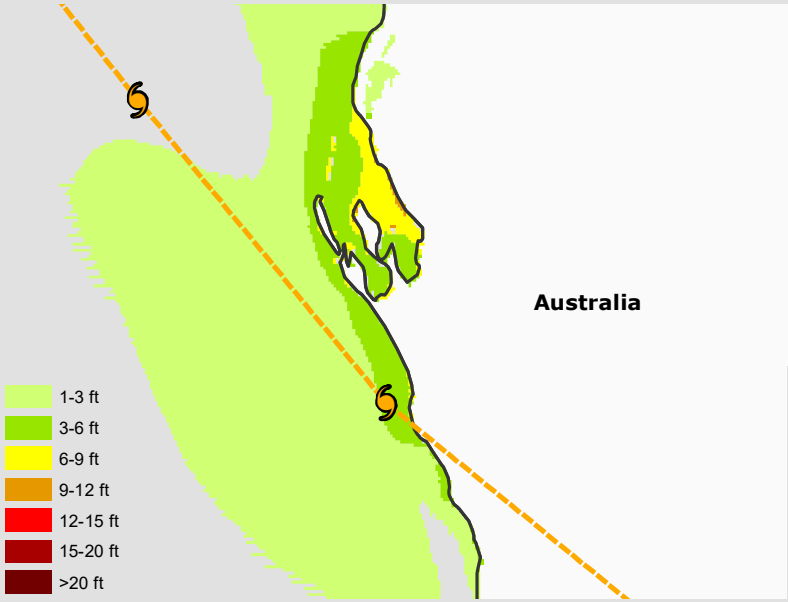
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

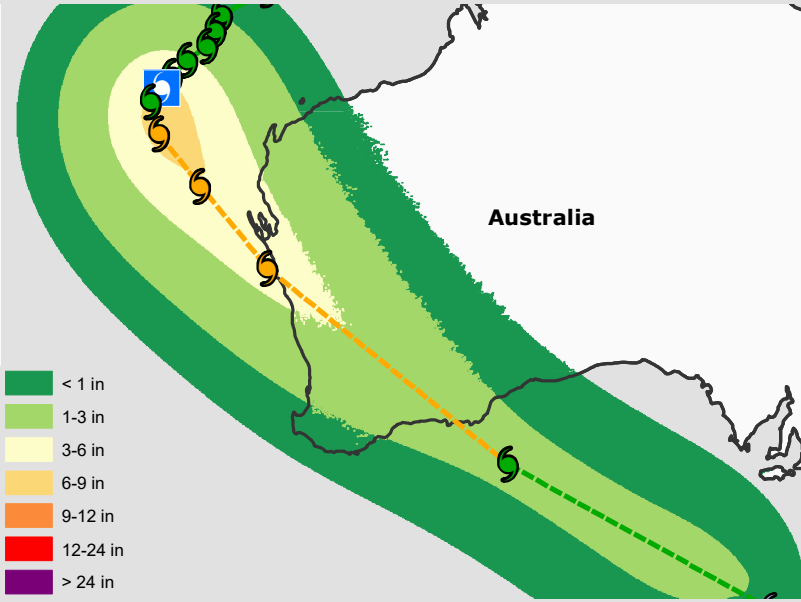
- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage



Estimated Still Water Storm Surge



Estimated Tropical Cyclone Rainfall



Tropical Cyclone Seroja - Estimated Impacts

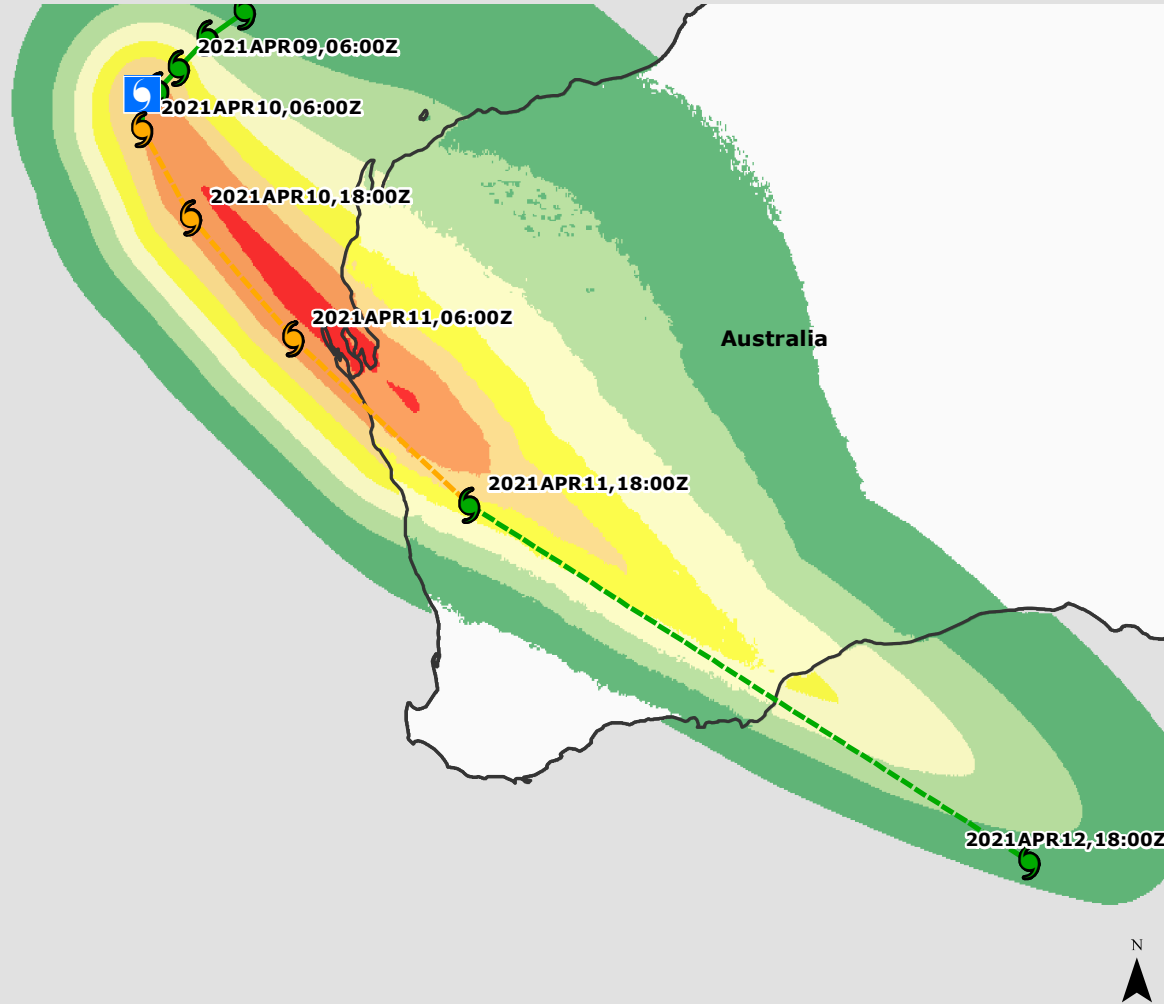
Warning 22, 09 April 2021 2100 UTC



PDC-26S-22A

JTWC Summary: TROPICAL CYCLONE (TC) 26S (SEROJA), LOCATED APPROXIMATELY 335 NM WEST-NORTHWEST OF LEARMONTH, AUSTRALIA, HAS TRACKED SOUTHWESTWARD AT 05 KNOTS OVER THE PAST SIX HOURS. ANIMATED ENHANCED INFRARED SATELLITE IMAGERY DEPICTS TIGHTLY-CURVED BANDING WRAPPING INTO A DEFINED LOW-LEVEL CIRCULATION CENTER (LLCC). A 091800Z GMI 89GHZ IMAGE REVEALS IMPROVED CONVECTIVE STRUCTURE WITH DEEP CONVECTIVE BANDING OVER THE WESTERN SEMICIRCLE WRAPPING INTO A MICROWAVE EYE FEATURE, WHICH SUPPORTS THE INITIAL POSITION WITH HIGH CONFIDENCE. ENVIRONMENTAL ANALYSIS INDICATES FAVORABLE CONDITIONS WITH LOW VERTICAL WIND SHEAR (VWS), ROBUST POLEWARD OUTFLOW INTO THE WESTERLIES AND WARM SST (29C) VALUES. THE INITIAL INTENSITY IS ASSESSED AT 60 KNOTS BASED ON AN AVERAGE OF DVORAK INTENSITY ESTIMATES FROM PGTW, KNES AND APRF RANGING FROM T3.5-4.0 (55-65 KNOTS). ADDITIONALLY, THE INITIAL INTENSITY IS SUPPORTED BY A 091416Z SATCON ESTIMATE OF 58 KNOTS. TC 26S IS EXPECTED TO RECURVE AFTER TAU 12 AND ACCELERATE SOUTH-SOUTHEASTWARD, WITH EXTRA-TROPICAL TRANSITION (ETT) COMMENCING AT TAU 36 WHEN THE SYSTEM BEGINS TO INTERACT WITH THE BAROCLINIC ZONE AND WESTERLIES. AFTER TAU 36, TC 26S WILL TURN SOUTHEASTWARD OVER SOUTHWEST AUSTRALIA. TRACKING WITHIN THE MIDLITUDE WESTERLIES, THE SYSTEM WILL COMPLETE ETT BETWEEN TAU 60 TO TAU 72 AS IT BECOMES EMBEDDED WITHIN THE JET REGION AND GAINS FRONTAL CHARACTERISTICS. TC 26S WILL WEAKEN BY TAU 48 AS IT ENCOUNTERS STRONG VWS AND INTERACTS WITH LAND....

Estimated Wind Impacts

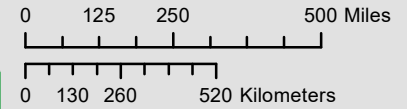


Tropical Cyclone Positions

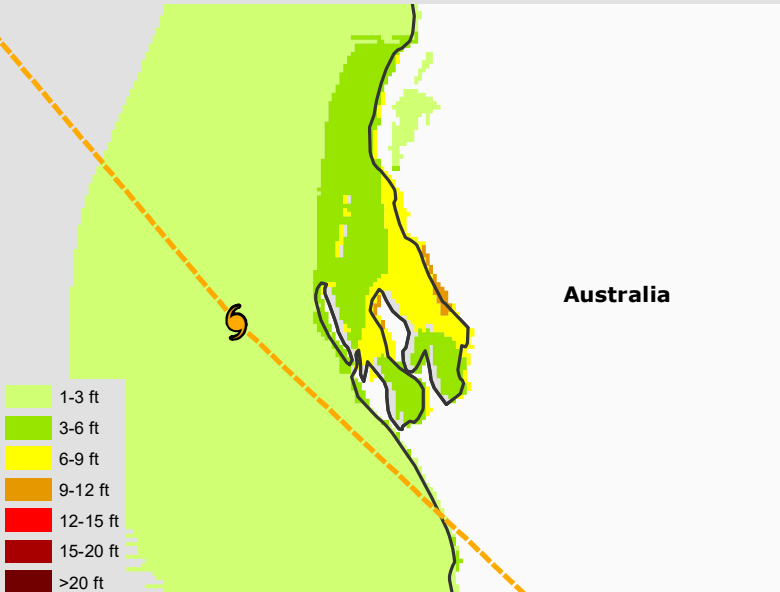
- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Cyclone Position

Est Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage

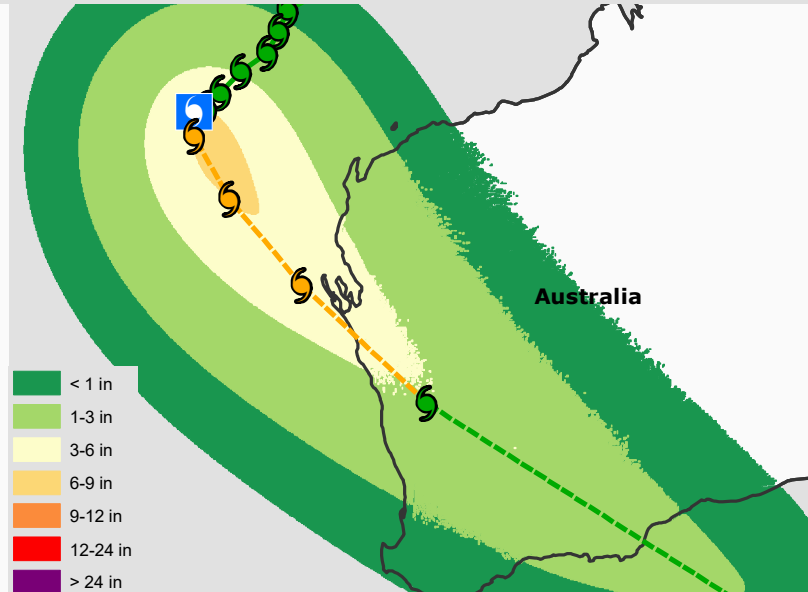


Estimated Still Water Storm Surge



- 1-3 ft
- 3-6 ft
- 6-9 ft
- 9-12 ft
- 12-15 ft
- 15-20 ft
- >20 ft

Estimated Tropical Cyclone Rainfall



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in