



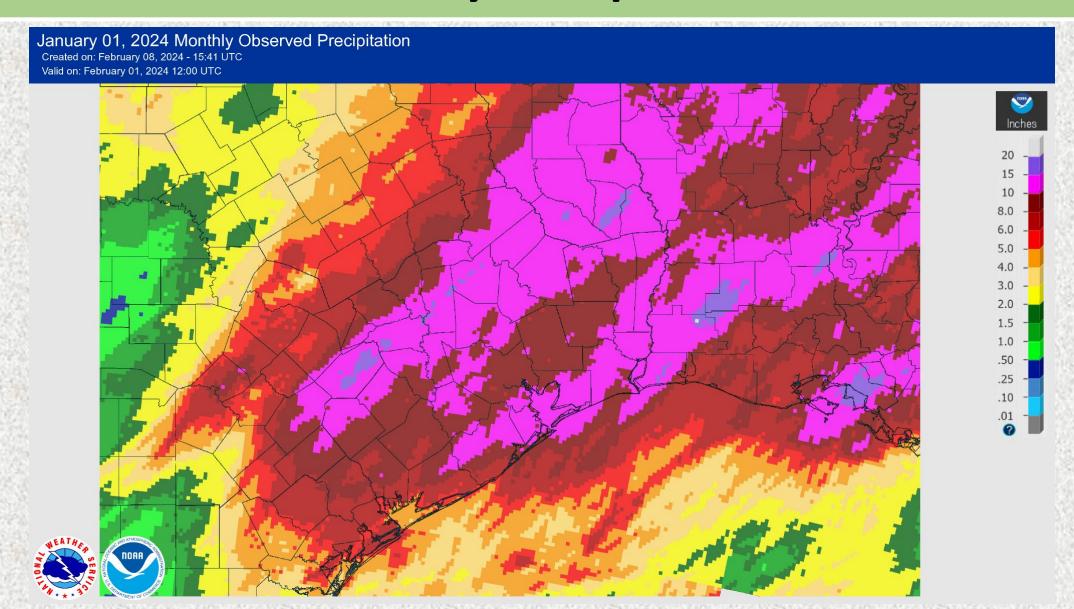
NWS Houston/Galveston Monthly Hydrologic Report January 2024

Produced by: Cameron Batiste

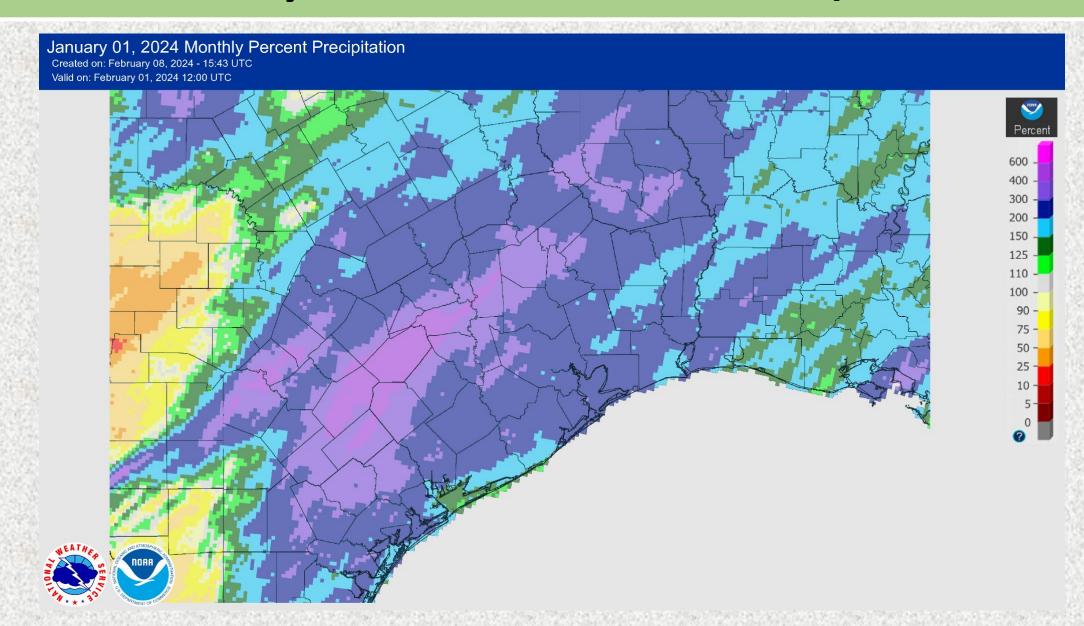
Date: 02/08/2024

January was highlighted by a significant rainfall event towards the end of the month in which 8-12" of widespread rainfall fell across Southeast Texas, and especially for areas in and around the Brazos Valley. This lead to multiple days of river flooding and road inundations and even some water rescues as well. This excessive rainfall event effectively ended the drought for Southeast Texas.

Monthly Precipitation

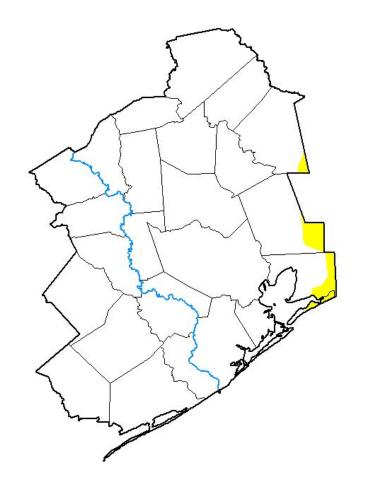


Monthly Percent of Normal Precipitation



U.S. Drought Monitor

U.S. Drought Monitor Houston/Galveston, TX WFO



January 30, 2024

(Released Thursday, Feb. 1, 2024) Valid 7 a.m. EST

Drought Conditions (Percent Area)

Î	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	98.19	1.81	0.00	0.00	0.00	0.00
Last Week 01-23-2024	68.49	31.51	1.81	0.00	0.00	0.00
3 Month s Ago 10-31-2023	2.44	97.56	89.31	58.41	11.61	0.00
Start of Calendar Year 01-02-2024	26.21	73.79	57.44	11.02	0.00	0.00
Start of Water Year 09-26-2023	0.00	100.00	100.00	100.00	99.98	55.82
One Year Ago 01-31-2023	85.69	14.31	0.00	0.00	0.00	0.00

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None	D2 Severe Drought
D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drough

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

Author:

Brian Fuchs National Drought Mitigation Center









droughtmonitor.unl.edu

River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
Brazos River at Rosharon (ROST2)	43.0	45.16	01/28 04:00Z
Brazos River at Sugar Land (SLNT2)	65.5	66.12	01/27 17:05Z
Brazos River at West Columbia (WCBT2)	23.0	24.33	01/28 11:15Z
Colorado River at Columbus (CBST2)	34.0	38.27	01/25 12:45Z
Lavaca River at Edna (EDNT2)	21.0	25.06	01/27 07:15Z
Navidad River at Strane Park (LSNT2)	24.0	28.04	01/27 10:45Z
Navidad River at Morales (MRAT2)	29.0	32.05	01/27 00:15Z
Navidad River at Sublime (SBMT2)	24.0	31.57	01/25 10:00Z
Navidad River at Speaks (SPAT2)	24.0	28.33	01/26 01:30Z
San Bernard River at Boling (BOLT2)	18.0	24.24	01/28 16:00Z
San Bernard River at East Bernard (EBBT2)	17.0	19.38	01/26 17:00Z
San Bernard River at Old Ocean (OCNT2)	7.0	11.16	01/25 19:30Z

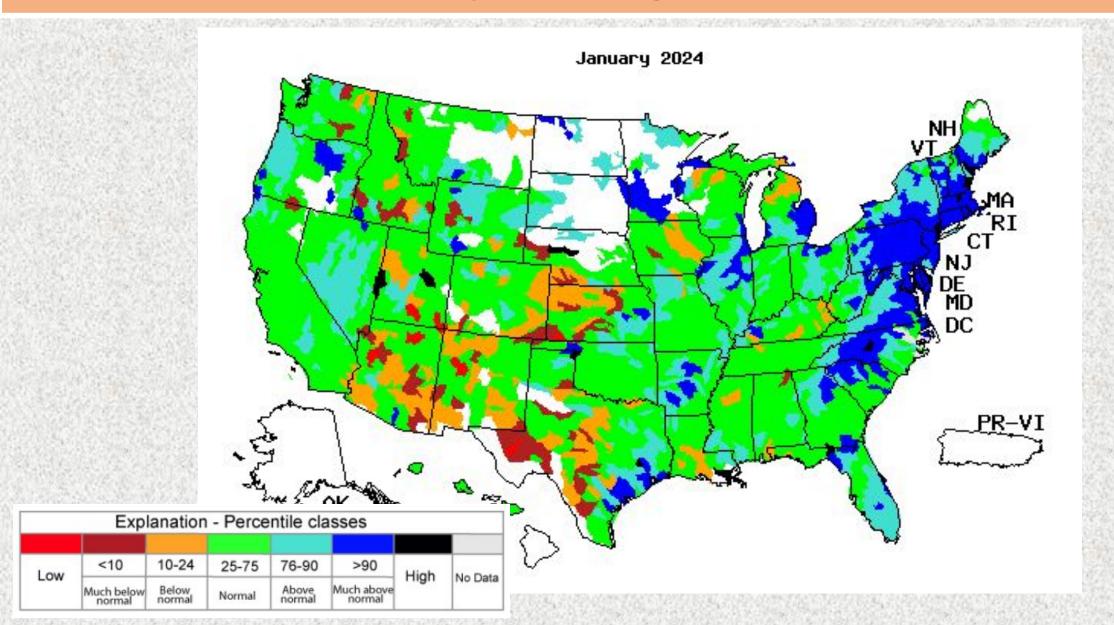
River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
San Jacinto River at New Caney (NCET2)	58.0	68.44	01/26 18:30Z
San Jacinto River at The Woodlands [Lake Creek] (FCWT2)	138.0	144.46	01/25 13:45Z
San Jacinto River at Sheldon (SHLT2)	10.0	13.45	01/27 18:00Z
San Jacinto River at Conroe (CFKT2)	115.8	118.59	01/26 00:30Z
San Jacinto River at Humble (HMMT2)	49.3	53.71	01/27 11:45Z
San Jacinto River at Porter (POET2)	81.0	82.01	01/26 19:20Z
Tres Palacios River at Midfield (MTPT2)	24.0	26.32	01/25 17:45Z
Trinity River at Madisonville [Bedias Creek] (MDST2)	19.0	19.81	01/25 17:45Z
Trinity River at Livingston [Long King Creek] (LIVT2)	19.0	22.19	01/24 19:00Z
Trinity River at Rye [Menard Creek] (RYET2)	20.0	20.70	01/26 21:30Z
Trinity River at Goodrich (GRIT2)	36.0	39.36	01/25 22:45Z
Trinity River at Liberty (LBYT2)	26.0	29.88	01/28 23:15Z

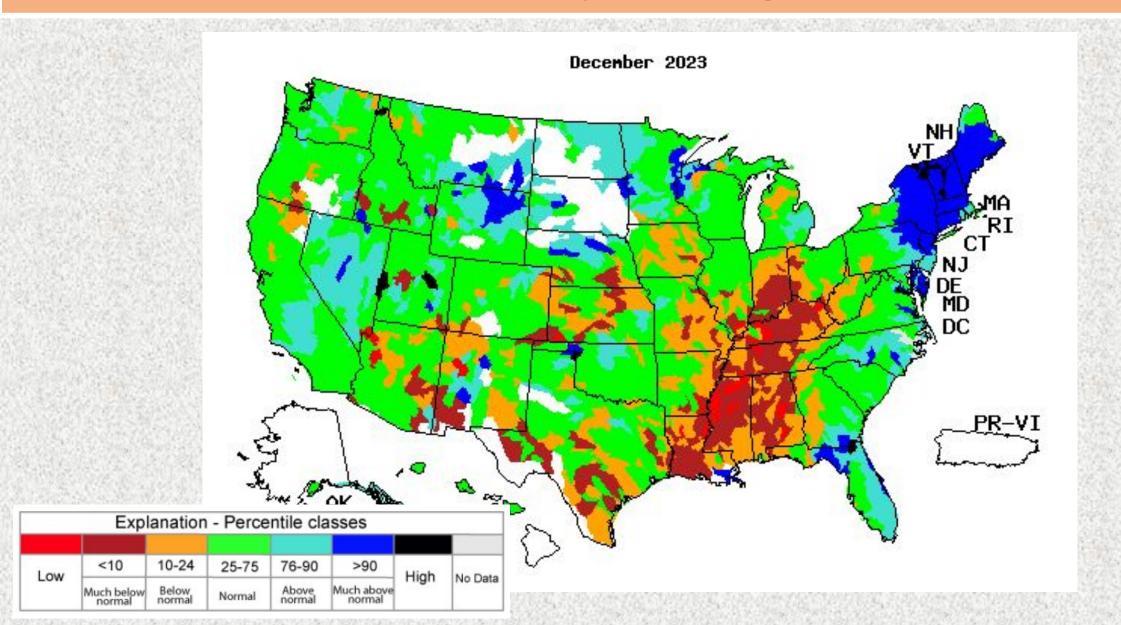
River Flooding

River and Station	Flood Stage (feet)	Crest Stage (feet)	Crest Date
Trinity River at Moss Bluff (MBFT2)	12.2	15.25	01/31 04:30Z
Trinity River at Riverside (RVRT2)	133.5	136.34	01/26 01:00Z

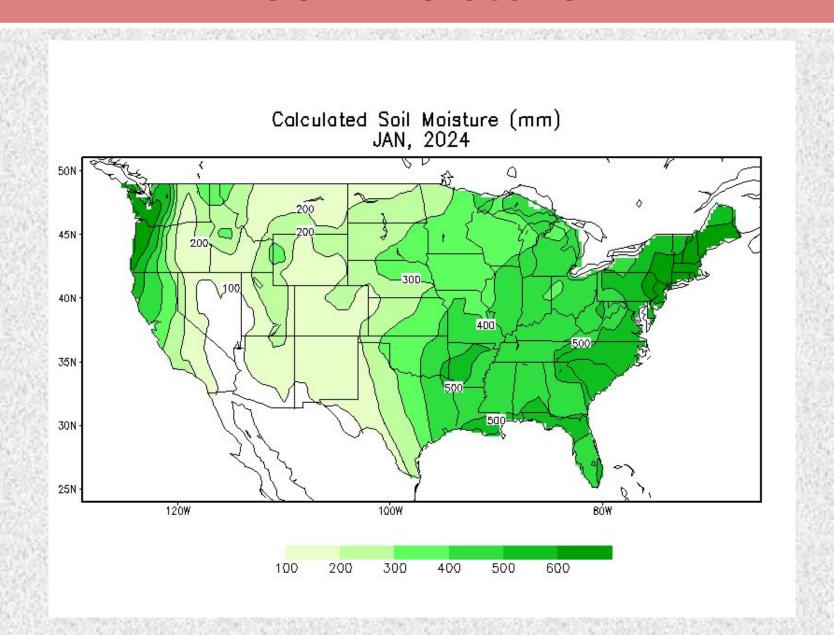
Monthly Average Streamflow



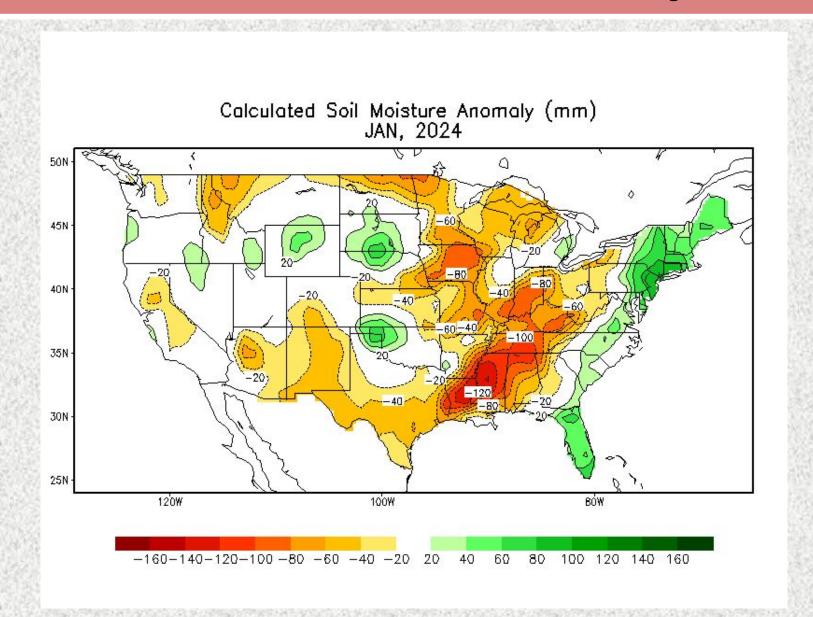
Previous Monthly Average Streamflow



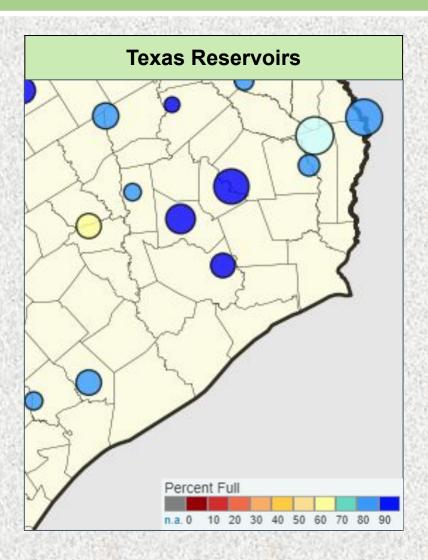
Soil Moisture



Soil Moisture Anomaly



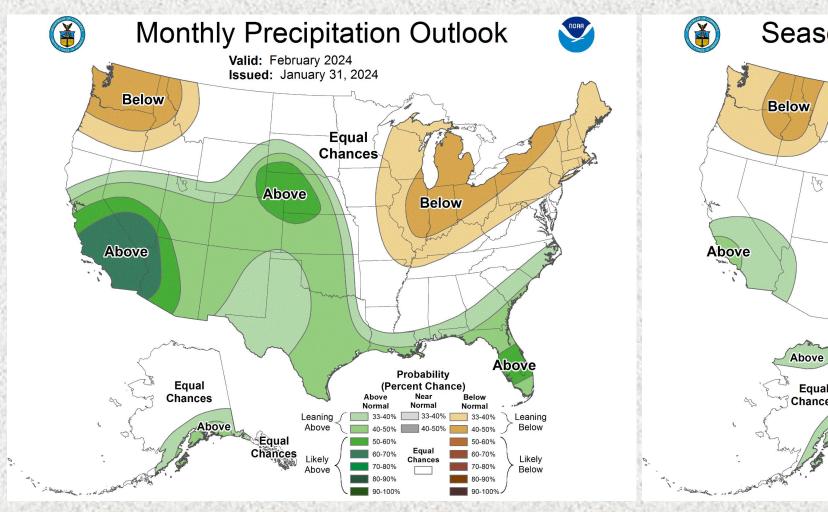
Reservoir Status

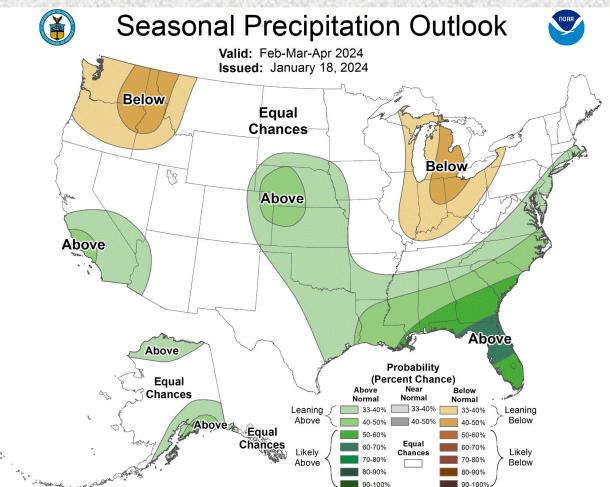


Reservoir	Percent Full Conservation Storage
Houston County Lake	100.0%
Lake Livingston	100.0%
Lake Conroe	100.0%
Lake Houston	100.0%
Gibbons Creek Reservoir	92.4%
Lake Somerville	97.7%
Lake Texana	100.0%

Data added on: February 8, 2024 at 10:00 am CST

Precipitation Outlooks





Flood Products Issued

Product	Number Issued
Flash Flood Watch (FFA)	1 (ETN: 001)
Flash Flood Warning (FFW)	7 (ETN: 001-007)
Flash Flood Statement (FFS)	4
Areal Flood Warning	8 (ETN: 001-008)
River Flood Warnings (FLW)	33 (ETN: 001-033)
River Flood Statements	125
Flood Advisories (FLS)	16 (ETN: 001-016)
Probabilistic Hydrologic Outlook (ESF)	6