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PROBABILISTIC HYDROLOGIC OUTLOOK  
NATIONAL WEATHER SERVICE DES MOINES IA  
1135 AM CST FRI JAN 29 2010

...SPRING FLOOD AND WATER RESOURCES OUTLOOK...

\*\* IMPORTANT...HIGH RISK OF SIGNIFICANT FLOODING \*\*

SPRING FLOOD AND WATER RESOURCES OUTLOOK NUMBER 1

THIS FLOOD OUTLOOK IS FOR THE NWS DES MOINES SERVICE AREA. IT COVERS THE TIME PERIOD FROM FEBRUARY THROUGH THE END OF APRIL 2010. IT INCLUDES THE FOLLOWING RIVERS AND THEIR TRIBUTARIES IN NORTH CENTRAL...CENTRAL AND SOUTH CENTRAL IOWA...

IOWA...CEDAR...SKUNK...DES MOINES...RACCOON...NISHNABOTNA...  
102...THOMPSON AND CHARITON RIVERS

...FLOOD OUTLOOK HIGHLIGHTS...

- \* THERE IS A HIGH RISK OF SIGNIFICANT FLOODING. THE RISK OF FLOODING IS ABOVE NORMAL AT MOST LOCATIONS. THE RISK IS HIGHEST...AND MUCH ABOVE NORMAL...IN THE DES MOINES...RACCOON...IOWA AND CEDAR RIVER BASINS... AND ESPECIALLY ACROSS THE NORTHWEST HALF OF THE DES MOINES SERVICE AREA.
- \* THERE IS AN ABOVE NORMAL RISK OF FLOODING FROM ICE JAMS. ANY ICE JAMS WHICH DO OCCUR MAY RESULT IN LOCALLY HIGHER RIVER STAGES...AND RAPID RIVER RISES. THIS OUTLOOK DOES NOT TAKE INTO ACCOUNT POTENTIAL FLOODING FROM ICE JAMS. ANY FLOODING FROM ICE JAMS WOULD BE ABOVE AND BEYOND THE FLOODING POTENTIAL INDICATED IN THIS OUTLOOK.
- \* HIGH SOIL MOISTURE VALUES SUGGEST A HIGHER THAN NORMAL RISK OF FLOODING ALSO IN AREAS THAT HAVE LITTLE TO NO SNOW COVER. THUS...THE ENHANCED RISK OF FLOODING IS NOT CONFINED JUST TO AREAS WITH AN ABOVE NORMAL SNOW PACK.
- \* THE FLOODING POTENTIAL WILL BE MORE SENSITIVE THAN NORMAL TO THE OCCURRENCE AND TIMING OF WEATHER EVENTS SUCH AS RAPID WARM UPS AND HEAVY PRECIPITATION. THUS...IT IS MORE IMPORTANT THAN NORMAL TO CLOSELY MONITOR THE POTENTIAL FOR THESE AND RELATED WEATHER EVENTS. THEY MAY FURTHER INCREASE THE RISK OF FLOODING...BEYOND WHAT THIS

OUTLOOK INDICATES.

TABLE 1 BELOW LISTS THE PROBABILITIES OF REACHING FLOOD STAGE /MINOR FLOODING/...AS WELL AS MODERATE AND MAJOR FLOOD LEVELS FOR EACH FORECAST POINT.

...TABLE 1...PROBABILITIES FOR MINOR...MODERATE AND MAJOR FLOODING...

VALID FEB. 1 2010 - MAY 2 2010

LOCATION	-----FLOOD STAGES-----						DEP FROM NORMAL OF REACHING FLOOD STAGE
	MINOR		MODERATE		MAJOR		
	STG	PCT	STG	PCT	STG	PCT	
IOWA RIVER							
MARSHALLTOWN	18	54%	19	23%	21	6%	45% GREATER
CEDAR RIVER							
WAVERLY	11.5	9%	15	3%	17	<2%	6% GREATER
JANESVILLE	11	16%	13	6%	15	4%	6% GREATER
CEDAR FALLS	88	90%	90	67%	93	21%	42% GREATER
WATERLOO	12	82%	15	44%	19	14%	48% GREATER
W FK CEDAR RIVER							
FINCHFORD	12	91%	14	36%	16	13%	56% GREATER
WINNEBAGO RIVER							
MASON CITY	7	93%	10	19%	14	4%	54% GREATER
SHELL ROCK RIVER							
SHELL ROCK	12	80%	13	47%	15	13%	43% GREATER
BEAVER CREEK							
NEW HARTFORD	10	42%	12	11%	14	<2%	18% GREATER
S SKUNK RIVER							
AMES 3N	14	<2%	15	<2%	16	<2%	NEAR NORMAL
AMES HWY 30	20	67%	23	6%	24	4%	48% GREATER
COLFAX	17	45%	19	9%	21	4%	37% GREATER
OSKALOOSA	20	50%	21	27%	24	4%	38% GREATER
SQUAW CREEK							
AMES	9	21%	12	6%	15	3%	16% GREATER
DES MOINES RIVER							
ESTHERVILLE	7	>98%	10	86%	14	9%	50% GREATER
EMMETSBURG	10	88%	11	78%	13	11%	56% GREATER
HUMBOLDT	8	>98%	9	95%	12	42%	57% GREATER

FORT DODGE	10.5	88%	13	39%	14	27%	68%	GREATER
STRATFORD	14	>98%	18	85%	22	45%	50%	GREATER
DSM-2ND AVE	23	19%	25	18%	27	11%	18%	GREATER
DSM-SE 6TH	24	86%	26	47%	30	13%	61%	GREATER
EDDYVILLE	61	91%	66	1%	69	1%	56%	GREATER
OTTUMWA	10	75%	12	9%	15	1%	46%	GREATER
E FK DES MOINES RIVER								
ALGONA	14	>98%	17	>98%	22	11%	40%	GREATER
DAKOTA CITY	20	32%	22	9%	24	3%	29%	GREATER
BOONE RIVER								
WEBSTER CITY	12	32%	15	1%	17	1%	29%	GREATER
BEAVER CREEK								
GRIMES	12	31%	14	1%	16	<2%	22%	GREATER
N RACCOON RIVER								
JEFFERSON	19	18%	20	9%	21	3%	14%	GREATER
PERRY	15	96%	17	78%	20	39%	61%	GREATER
S RACCOON RIVER								
REDFIELD	20	<2%	24	<2%	27	<2%		NEAR NORMAL
RACCOON RIVER								
VAN METER	16	78%	19	39%	21	9%	61%	GREATER
DSM-HWY 28	32	96%	36	34%	39.5	4%	64%	GREATER
DSM-FLEUR DR	12	96%	14	77%	20	6%	64%	GREATER
NORTH RIVER								
NORWALK	18	83%	23	<2%	25	<2%	39%	GREATER
MIDDLE RIVER								
INDIANOLA	19	11%	24	1%	25	<2%		NEAR NORMAL
SOUTH RIVER								
ACKWORTH	26	<2%	29	<2%	31	<2%		NEAR NORMAL
CEDAR CREEK								
BUSSEY	18	11%	26	1%	28	<2%		NEAR NORMAL
E NISHNABOTNA RIVER								
ATLANTIC	17	15%	21	4%	22	3%	9%	GREATER
E FK 102 RIVER								
BEDFORD	21	14%	22	6%	23	5%	6%	GREATER
THOMPSON RIVER								
DAVIS CITY	9	75%	12	17%	19	<2%	41%	GREATER

CHARITON RIVER

CHARITON	18	16%	21	<2%	23	<2%	NEAR NORMAL
MOULTON	35	7%	36	<2%	37	<2%	NEAR NORMAL

S FK CHARITON RIVER

PROMISE CITY	18	51%	24	<2%	27	<2%	NEAR NORMAL
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KEY FOR THE ABOVE TABLE:

- STG = STAGE (FEET)
- PCT = PERCENT
- DEP = DEPARTURE FROM NORMAL

THE BELOW TABLES SHOW THE PERCENTAGE CHANCES OF AREA RIVERS RISING ABOVE AND FALLING BELOW VARIOUS STAGES OVER THE NEXT 90 DAYS. THESE PROBABILITIES ARE CALLED EXCEEDANCE AND NON EXCEEDANCE PROBABILITIES RESPECTIVELY.

IN TABLE 1 BELOW...THE 90 THROUGH 10 PERCENT COLUMNS INDICATE EXCEEDANCE PROBABILITIES /THE CHANCES OF THE RIVER RISING ABOVE THE LISTED STAGE LEVELS/ FOR THE NEXT 90 DAYS.

IN TABLE 2 BELOW...THE 90 THROUGH 10 PERCENT COLUMNS INDICATE NON EXCEEDANCE PROBABILITIES /THE CHANCES OF THE RIVER FALLING BELOW THE LISTED STAGE LEVELS/ FOR THE NEXT 90 DAYS.

HERE ARE SOME EXAMPLES USING THE TABLES BELOW...

THE DES MOINES RIVER AT FORT DODGE HAS A FLOOD STAGE OF 10.5 FEET. TABLE 2 SHOWS THAT IN THE NEXT 90 DAYS...THERE IS A 10 PERCENT CHANCE OF THE STAGE REACHING 15.6 FEET.

ALSO...THE CEDAR RIVER AT CEDAR FALLS HAS A FLOOD STAGE OF 88 FEET. TABLE 3 SHOWS THAT IN THE NEXT 90 DAYS...THERE IS A 10 PERCENT CHANCE OF THE STAGE FALLING TO 77.5 FEET.

...TABLE 2...EXCEEDANCE PROBABILITIES...

CHANCE OF EXCEEDING STAGES AT SPECIFIC LOCATIONS

VALID FEB. 1 2010 - MAY 2 2010

LOCATION	FS (FT)	90%	80%	70%	60%	50%	40%	30%	20%	10%
IOWA RIVER										
MARSHALLTOWN	18	16.8	17.3	17.6	17.9	18.3	18.6	18.9	19.3	20.1
CEDAR RIVER										
WAVERLY	11.5	7.0	7.6	8.0	8.4	8.6	8.9	9.7	10.5	11.6
JANESVILLE	11	6.0	7.0	7.5	8.1	8.4	8.8	10.1	10.9	12.6

CEDAR FALLS	88	88.1	89.5	89.9	90.2	90.7	91.2	92.1	93.2	95.0
WATERLOO	12	10.6	12.7	13.4	13.9	14.5	15.4	16.3	17.5	20.1
W FK CEDAR RIVER										
FINCHFORD	12	12.2	12.5	12.8	13.0	13.2	13.8	14.3	15.0	16.5
WINNEBAGO RIVER										
MASON CITY	7	7.3	7.9	8.2	8.6	9.0	9.2	9.5	10.0	11.6
SHELL ROCK RIVER										
SHELL ROCK	12	11.5	12.1	12.5	12.7	12.9	13.2	13.5	14.0	15.6
BEAVER CREEK										
NEW HARTFORD	10	7.6	8.0	8.9	9.3	9.7	10.1	10.6	11.2	12.4
S SKUNK RIVER										
AMES 3N	14	7.6	8.1	8.6	8.9	9.3	9.5	9.9	10.1	11.1
AMES HWY 30	20	18.0	18.7	19.7	20.4	20.9	21.4	21.8	22.0	22.6
COLFAX	17	14.7	15.2	16.2	16.4	16.7	17.3	17.8	18.2	19.0
OSKALOOSA	20	18.3	19.0	19.1	19.7	20.1	20.5	21.0	21.9	23.0
SQUAW CREEK										
AMES	9	5.3	5.9	6.3	6.9	7.3	7.9	8.6	9.4	11.6
DES MOINES RIVER										
ESTHERVILLE	7	9.7	11.0	11.4	11.8	12.0	12.3	12.6	13.4	14.0
EMMETSBURG	10	10.0	11.0	11.4	11.7	12.0	12.2	12.4	12.8	13.2
HUMBOLDT	8	9.7	10.2	10.9	11.4	11.6	12.2	13.0	13.9	14.4
FORT DODGE	10.5	10.5	10.9	11.5	12.0	12.4	13.1	13.8	14.7	15.6
STRATFORD	14	17.4	18.9	20.0	20.8	21.2	22.4	23.6	24.8	26.0
DSM-2ND AVE	23	19.7	19.9	20.0	20.4	20.8	21.2	21.5	23.2	27.2
DSM-SE 6TH	24	23.9	24.3	24.4	25.0	25.8	26.3	27.2	28.5	30.4
EDDYVILLE	61	61.1	61.2	61.3	61.6	61.7	62.0	62.2	62.5	63.4
OTTUMWA	11	9.7	9.9	10.1	10.4	10.7	10.8	11.0	11.5	12.3
E FK DES MOINES RIVER										
ALGONA	14	18.4	18.8	19.2	19.9	20.4	20.7	21.1	21.7	22.2
DAKOTA CITY	20	16.5	16.9	17.4	18.4	19.1	19.6	20.3	20.7	22.2
BOONE RIVER										
WEBSTER CITY	12	8.7	9.1	9.8	10.4	11.0	11.5	12.2	12.6	13.8
BEAVER CREEK										
GRIMES	12	10.6	11.2	11.3	11.4	11.6	11.9	12.2	12.4	13.1
N RACCOON RIVER										
JEFFERSON	19	13.3	14.3	15.4	15.7	16.0	17.0	17.8	18.9	20.1
PERRY	15	16.3	16.8	18.1	18.5	18.9	19.9	21.0	22.3	24.6
S RACCOON RIVER										

REDFIELD	20	9.4	10.0	10.1	10.6	10.8	11.1	12.0	12.7	13.9
RACCOON RIVER										
VAN METER	16	15.4	16.0	16.9	17.3	17.9	18.9	19.6	20.3	21.0
DSM-HWY 28	32	33.4	33.8	34.1	34.4	34.6	35.5	36.4	37.2	38.1
DSM-FLEUR DR	12	13.4	13.9	14.4	14.7	15.0	16.3	17.5	18.4	19.7
NORTH RIVER										
NORWALK	18	17.0	18.5	19.8	20.7	21.2	21.3	21.6	21.8	22.1
MIDDLE RIVER										
INDIANOLA	19	13.2	14.5	15.4	15.6	16.1	16.4	16.9	18.1	20.0
SOUTH RIVER										
ACKWORTH	26	11.8	12.7	13.1	13.4	13.7	14.2	14.6	15.8	18.3
CEDAR CREEK										
BUSSEY	18	11.7	12.9	13.3	14.0	14.7	15.5	16.0	16.6	18.3
E NISHNABOTNA RIVER										
ATLANTIC	17	9.0	11.6	12.7	13.9	14.6	15.1	15.6	16.7	17.7
E FK 102 RIVER										
BEDFORD	21	17.2	17.8	18.4	18.7	19.0	19.5	19.9	20.5	21.2
THOMPSON RIVER										
DAVIS CITY	9	7.2	8.6	9.2	9.8	10.3	10.5	11.1	11.7	14.2
CHARITON RIVER										
CHARITON	18	15.4	16.0	16.3	16.5	16.8	17.0	17.4	17.6	18.3
MOULTON	35	25.8	26.6	27.4	28.3	29.4	31.0	32.6	34.2	34.7
S FK CHARITON RIVER										
PROMISE CITY	18	11.0	14.6	15.4	17.6	18.0	19.1	19.6	19.8	21.7

...TABLE 3...NON EXCEEDANCE PROBABILITIES...

CHANCE OF FALLING BELOW STAGES AT SPECIFIC LOCATIONS  
VALID FEB. 1 2010 - MAY 2 2010

LOCATION	FS (FT)	90%	80%	70%	60%	50%	40%	30%	20%	10%
IOWA RIVER										
MARSHALLTOWN	18	10.2	10.2	10.1	10.0	9.9	9.9	9.8	9.8	9.7
CEDAR RIVER										
WAVERLY	11.5	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7
JANESVILLE	11	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3
CEDAR FALLS	88	78.0	77.9	77.9	77.8	77.7	77.7	77.6	77.6	77.5

WATERLOO	12	6.4	6.4	6.4	6.4	6.3	6.3	6.3	6.3	6.2
W FK CEDAR RIVER										
FINCHFORD	12	6.5	6.4	6.4	6.4	6.3	6.3	6.3	6.2	6.2
WINNEBAGO RIVER										
MASON CITY	7	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
SHELL ROCK RIVER										
SHELL ROCK	12	7.9	7.9	7.9	7.9	7.9	7.8	7.8	7.8	7.8
BEAVER CREEK										
NEW HARTFORD	10	4.3	4.1	4.0	3.9	3.8	3.8	3.8	3.7	3.6
S SKUNK RIVER										
AMES 3N	14	2.9	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7
AMES HWY 30	20	9.4	9.4	9.4	9.3	9.3	9.3	9.2	9.2	9.1
COLFAX	17	7.8	7.8	7.7	7.7	7.6	7.6	7.5	7.5	7.5
OSKALOOSA	20	9.8	9.6	9.5	9.3	9.1	8.9	8.8	8.7	8.5
SQUAW CREEK										
AMES	9	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4
DES MOINES RIVER										
ESTHERVILLE	7	2.5	2.5	2.4	2.4	2.4	2.3	2.3	2.3	2.2
EMMETSBURG	10	1.3	1.3	1.2	1.1	1.0	1.0	0.9	0.9	0.8
HUMBOLDT	8	3.1	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.6
FORT DODGE	10.5	4.3	4.2	4.2	4.1	4.0	4.0	4.0	3.9	3.9
STRATFORD	14	5.3	5.2	5.1	5.0	4.8	4.7	4.7	4.6	4.5
DSM-2ND AVE	23	13.7	13.6	13.5	13.5	13.4	13.3	13.3	13.2	13.2
DSM-SE 6TH	24	11.0	10.9	10.8	10.6	10.4	10.2	10.1	10.1	10.0
EDDYVILLE	61	51.0	50.9	50.5	50.4	50.1	49.7	49.5	49.3	49.1
OTTUMWA	11	3.5	3.4	3.1	3.0	2.8	2.4	2.2	1.9	1.8
E FK DES MOINES RIVER										
ALGONA	14	7.2	7.2	7.1	7.1	7.1	7.1	7.0	7.0	7.0
DAKOTA CITY	20	8.2	8.2	8.2	8.1	8.1	8.1	8.0	8.0	8.0
BOONE RIVER										
WEBSTER CITY	12	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
BEAVER CREEK										
GRIMES	12	3.7	3.7	3.6	3.6	3.6	3.5	3.5	3.4	3.3
N RACCOON RIVER										
JEFFERSON	19	5.4	5.4	5.4	5.3	5.3	5.3	5.2	5.2	5.2
PERRY	15	4.9	4.8	4.8	4.7	4.6	4.5	4.5	4.4	4.4
S RACCOON RIVER										
REDFIELD	20	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1

RACCOON RIVER

VAN METER	16	3.5	3.5	3.4	3.3	3.3	3.2	3.1	3.1	3.0
DSM-HWY 28	32	23.1	23.1	23.0	22.9	22.9	22.8	22.7	22.7	22.6
DSM-FLEUR DR	12	1.1	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5

NORTH RIVER

NORWALK	18	7.7	7.2	6.9	6.6	6.5	6.3	6.1	6.0	5.8
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MIDDLE RIVER

INDIANOLA	19	7.3	7.2	7.1	7.0	6.9	6.8	6.7	6.7	6.5
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SOUTH RIVER

ACKWORTH	26	7.0	6.8	6.7	6.5	6.4	6.3	6.3	6.2	6.2
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CEDAR CREEK

BUSSEY	18	6.0	5.9	5.9	5.8	5.8	5.7	5.7	5.7	5.6
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THESE NUMBERS ARE CALCULATED USING MULTIPLE SPRING SEASON SCENARIOS FROM 30 OR MORE YEARS OF CLIMATOLOGICAL DATA. THESE NUMBERS ALSO TAKE INTO ACCOUNT CURRENT CONDITIONS OF THE RIVER...SNOW COVER AND SOIL MOISTURE...AS WELL AS 30 TO 90 DAY OUTLOOKS OF TEMPERATURE AND PRECIPITATION. BY PROVIDING THE COMPLETE RANGE OF PROBABILISTIC NUMBERS...THE LEVEL OF RISK ASSOCIATED WITH LONG-RANGE PLANNING DECISIONS CAN BE DETERMINED.

...CURRENT CONDITIONS AS OF JANUARY 28 2010...

.SNOW DEPTH...SNOW DEPTH IS ABOVE NORMAL ACROSS ALL BUT THE EXTREME SOUTHEAST PART OF THE DES MOINES SERVICE AREA. THE SNOW DEPTH DEPARTURES FROM NORMAL INCREASE TOWARD THE NORTHWEST. THEY ARE MUCH ABOVE NORMAL ALONG AND NORTH OF U.S. HWY 20...ESPECIALLY IN THE DES MOINES...RACCOON...CEDAR AND IOWA RIVER BASINS. DEPARTURES FROM NORMAL RANGE FROM AS MUCH AS 15 TO 20 INCHES ABOVE NORMAL IN THE NORTHWEST...TO NEAR NORMAL IN THE EXTREME SOUTHEAST. ACTUAL SNOW DEPTHS RANGE FROM AROUND 30 INCHES IN THE NORTHWEST...TO LESS THAN AN INCH IN THE EXTREME SOUTHEAST.

.SNOW WATER EQUIVALENT...VALUES RANGE FROM LITTLE IF ANY IN THE EXTREME SOUTHEAST...TO VERY HIGH VALUES OF BETWEEN 4 AND 5 INCHES IN THE NORTHWEST. THE HIGH VALUES HAVE BEEN CONFIRMED BY BOTH COOPERATIVE WEATHER OBSERVERS...AND ALSO BY GAMMA RADIATION REMOTE SENSING FROM AIRBORNE SNOW SURVEYS.

.STREAM LEVELS...VALUES ARE MUCH ABOVE NORMAL AT MOST LOCATIONS...WITH MANY LOCATIONS REPORTING RECORD HIGH VALUES FOR THIS TIME OF YEAR. STREAM LEVELS HAVE BEEN ABOVE NORMAL ALL WINTER AT MOST LOCATIONS.



.SOIL MOISTURE...VALUES ARE MUCH ABOVE NORMAL AT MOST LOCATIONS. THE GREATEST DEPARTURES FROM NORMAL EXTEND FROM THE NORTHWEST THROUGH NORTH CENTRAL...NORTHEAST...EAST CENTRAL AND SOUTHEAST PARTS OF THE DES MOINES SERVICE AREA. THERE HAS BEEN LITTLE CHANGE IN THE SOIL MOISTURE SINCE LATE DECEMBER.

.DROUGHT CONDITIONS...DROUGHT CONDITIONS WERE NOT INDICATED.

.FROST DEPTH...THERE IS LITTLE IF ANY FROST IN THE GROUND. THE DEEPEST VALUES ARE AROUND 4 INCHES...MAINLY ACROSS THE NORTHWEST.

.WINTER PRECIPITATION...VALUES HAVE BEEN ABOVE TO MUCH ABOVE NORMAL. THEY RANGE FROM 150 PERCENT OF NORMAL ACROSS THE EXTREME SOUTHEAST...TO 200 PERCENT OR MORE OF NORMAL ACROSS MUCH OF THE NORTHWEST TWO THIRDS.

.WINTER TEMPERATURES...VALUES HAVE BEEN BELOW NORMAL. THEY RANGE FROM AROUND 2.5 DEGREES ABOVE NORMAL IN THE NORTHEAST...TO AROUND 5.5 DEGREES BELOW NORMAL ACROSS THE SOUTHWEST.

...WEATHER FORECAST AND OUTLOOK...

.ONE MONTH OUTLOOK /FOR THE MONTH OF FEBRUARY/...EQUAL CHANCES FOR ABOVE...BELOW...AND NEAR NORMAL...FOR BOTH TEMPERATURES AND PRECIPITATION. EQUAL CHANCES MEANS THAT THERE ARE NO STRONG INDICATORS OF ABOVE...BELOW OR NEAR NORMAL CONDITIONS. LOCAL TOOLS HAVE NO STRONG INDICATION OF TEMPERATURE OR PRECIPITATION TENDENCY.

.THREE MONTH OUTLOOK /FOR FEBRUARY THROUGH APRIL/...ABOVE NORMAL TEMPERATURES...AND EQUAL CHANCES FOR ABOVE...BELOW...AND NEAR NORMAL PRECIPITATION. LOCAL TOOLS SUGGEST NEAR TO ABOVE NORMAL TEMPERATURES WITH NO STRONG INDICATION OF PRECIPITATION TENDENCY.

...ADDITIONAL INFORMATION...

THE NEXT OUTLOOK WILL BE ISSUED ON FRIDAY...FEBRUARY 19 2010.

ADDITIONAL INFORMATION IS AVAILABLE AT OUR WEB SITE...

[HTTP://WWW.WEATHER.GOV/DESMOINES](http://www.weather.gov/desmoines) .

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