

Ann's Notes

STATE OF NEBRASKA

DEPARTMENT OF NATURAL RESOURCES

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29-01-00

Previous mem 5-9" below current alloc basin wid
 => 3-4" all - 7-8" alloc ~~F~~-dry

RR #s 6/18/07
 Precip % 1918-2005
 LR 32
 MR 34 due to area
 UR 28

Average conditions 2012

Allowable Depletion		Evap	25,000	
26%	41,000	Sw	60,000	mo other
30%	48,000	FWS	10,000	or =0
44%	70,000			

160,000 - GW
 $\frac{60}{160} = 37\%$ SW after evap
 72% GW Based on 98-02.

Projected Depletions

LR	48,000	4
MR	41,000	0
UR	73,000	5

Average rainfall
 at every gauge
 4" reduction
 0"
 5" reduction

Based on precip
 100% reduction in UR URD - won't be free by
 2012 to make up 28,000 AF

CIR	LR	22.5	7-8" reduction ³⁸
	MR	29.0	OK
	UR	48.5	O.K

Assume pump still
 allocation

If experience

No allocation to SW - =sw buyout
would be in compact compliance
except for low - need 2"

Under 7 conditions
cuts showing for 2012 good enough for long term
except for LRNRD.

later part 16
26

available	<u>Hand ats</u> pumpage graph	volumes NRD depletion	# wells irrigates	g dependent + independent impacts
Reduction	47% - 30 - 26	<u>dry</u>	Precipitation	CIR
L	4	0	7	33 = across
M	50 $\frac{1}{2}$	0	0	0
U	5 $\frac{1}{2}$	13.5	0	13.5 credit

within allocation by 2012

Dry Year Run -

TriBasin - 4-6% g depletions + 0 compound credit from TB

new % - would reduce everyone's but TB would have to reduce

% TB	24	28	41	5	2
L		M	U	T	0

Change depletions by NRD

Average + Dry Year

HO
Depletions Projection \bar{x} - dry assure current allocation apply reductions

(Chart allotment & depletions) \rightarrow when SW buyout

Pumping vs impacts - unrelated

MRRRD O reduction - 301,000 - 279,000
- 260,000 - 312,000

Total Vol Pump, 2006

U 443,282

M 248,515

L 195,745

- 45

meter 10% Lower
meter 20% Lower
Power

13" line area \Rightarrow 11" / cent acre

MR - largest - smallest # Cent

Precip 39%

1.5 mill acres Lower

2.4 " middle

1.7 " upper

Precip

32

50%

28%

Average

at 7 or 8

on 11

L 4 6.5
M 0 \Rightarrow 11
U 5 8.5

22%

36%

41%

pumping

Sustainability - MSL OK - Upper needs
to 100% increase

Short term cuts in all
 over time M+L inc, U cuts more

	Average		Dry	
RR	8.5	46%	5.5	48%
M	8	29%	5.0	30
LP	6.5	25%	3.5	22%
		5" cut		8" cut

8.5" across basin 3.5 across pas

SW to = issue 2006 AL+CU

7/27/07

URR

Greg Pelster

Tom T

Dean Lar

Key Bernhart

Mick Strand

Tim Shelle

Tom Goshler

Terry Martin

Jeff Wustner

Don Ge

Mike Mosel

Jasper

Deb Hayes

Joel AHY

Purpose what changes need to make in Tmt
to "assist state in compact compliance."

Review Last

Purpose - if plan under \bar{x} but get dry
year - would there be SW available?

- \bar{x} - median precip dry 35%
- includes CREP & EQIP program
- everyone pumps full allocation on
every certified.

Stat 962 - didn't address conflicts of
past pumping.

URURD - been contacted by SW - Rim + R
have 4000 af available. —

Sasper Actual use = about 3" below allocation
& ∴ only 1000 of under 7 conditions.

To Do

would need to know 44% - 30 - 26% of allocation.

Have been running 7-8% reduction in last few years.

Told Sasper - need to couch language when set allocation so that optics

Tom Terryberg - can't set low alloc - economically devastating ∴ not viable.

∴ most go to

Letter request participation in NET grant.

Borlon Beard) Champion Lake
Charlie Beard)
15 A spur go straight

left
27-2831

Goal EU alloc
by 2012 + after

12/15/06 3 years Allocation < 200 AF
SW supply = 0 (Evap =)
GW 185

Upland -15% reduction pumping
Distributed based on = reductions from amount
required to meet full irrigation demand in each
area

GIR
URNRD 18-20
MRNRD 10-12
LRNRD 8-10

	Upland	QR
URNRD	11.3 10.2-10.6	2.8-5.7
MRNRD	9.0 7-7.9	2.7-5.3
LRNRD	9.6 6.5-7.5	2.4-4.8

Depends on # acres use to allocate

6/22/07 + 10,000 AF md
25,000 AF SW Evap
Based 98-2002 27.5% SW
72.5% GW

GW = 159 KAF \bar{x}
134 KAF dry
Based 44-30-26%

	LRNRD	MRNRD	URNRD
50% \bar{x}	41,300	47,600	69,900
35% dry	34,800	40,200	58,900

Proposed allocations

	L	M	U
\bar{x}	6.5	8	8.5
dry	3.5	5	5.5
%			
Pumping %	22-25%	30-29%	48-46%

Reduce 5" \bar{x} to provide full SW no buy out
dry

5/31 98-2002 split
60 KAF SW \bar{x}
51 KAF Dry
25 KAF Evap
159 KAF GW \bar{x}
134 KAF GW Dry
Reduced pumping
5" \bar{x}
9" dry
 \bar{x} basin wide
3-4" dry
7-8" \bar{x}

RR Mgt - Reg

7/18/07

No changes to Agenda

(1)

Lee Orton Report

Projects not for sale

Plan to deliver irr water No FCI/D

Compact compliance must take precedent

Sustain \neq compact compliance

~~How~~

How does compact compliance law take precedence?

Additional \$ for modeling

Who is at meeting?

Use gsw as tool - yes, maybe, but we are not there to give up water every year.

ST How much water can we count on from Veg mgt in next 3 years.

There is at least in ball park 15-30 KAF

Jesper - as go forward - if doesn't prove up - will have to adapt.

ST \approx 98% landowners signed agreements on vegetation participation upstream is very high

Mike Clements CREP / EQIP

No problem \bar{c} having additional incen

No amendment required.

Need CREP advisory group O.K.

Probably would have to double payment to get more sign-up.

Don't know about permanent retirement

Mike DeLKa - Can we open up to hel

Retiring ir acres must be in mix

- rules crop so many years before
- sw contracts -
- clean some of the rules

Jim Williams - Reservoirs

John T - Do targeted dam removals above Hanlan
Are farmers willing to get rid of reservoir.
JT - look at

MRNRD 12" for 5 years leaving date set
LRNRD 11" district wide - wanted an equal
allocation across district

Having carry forward mitigates variability

Point out that we are using less than allocated
Don't want to take away that incentive

Jasper - we need to be able to adapt?

Does everyone agree to Jasper? - No response

Leo Orton - sw would be more willing to contribute
if you would show some flexibility.

sw adjusts - we would like you to be flexible
also.

LB 701 puts constraints on sw/gw acres
need to be connected.

Jasper - could make it more clear in plan that
we can change allocations

TB - will allow interbasin transfers.
Continuing dedicated allocation obs well
in each township.

? (Jim - pumping - Jasper. allocation same
or just capped)
Full certification -

115,000 | 49,000

180 acres URURD.

Conference - call augmentation Model.

AB what are we looking at to put in IMP next
3-5 yrs.

Ordon - SW - yes & maybe - talking
organizations are talking 5 SW.

IF will
Vegetation mgt -
how is it split?

MD until get compliance + equity

Need to know what process

S H - SW ^{until} = to gw - no discussion - need to
give walk to SW

Incentive dig

Augmentation

education on water eff.
billet 201 taxing
Future dec. allocations

Vegetation

Impact Presentations
Present- weed Vegt (ST)
SW - purchase.

Marty Schurr
Mike Chen
I? (not Josh = young guy)
SW
SW leasing
Augmentation.

Allocations -
CREP / EQIP

Put pieces together & see where we are

Self allocation for GW mgt
Net + IMP.

Aug 6 or 26
10:00 H/d/roge.