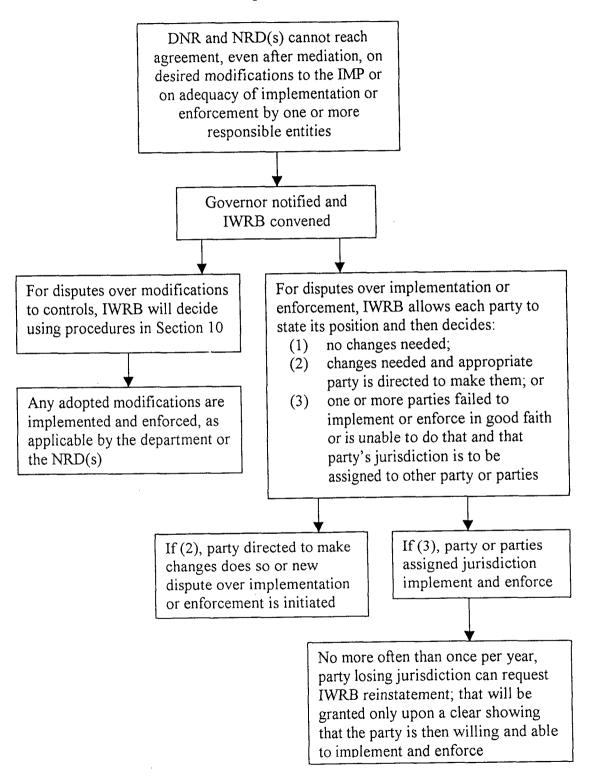
Proactive Legislation Draft Section 11 Option A



Proactive Legislation Section 11 Option B

DNR and NRD(s) cannot reach agreement, even after mediation, on desired modifications to the IMP or on adequacy of implementation or enforcement by one or more responsible entities

Governor notified and IWRB convened

For disputes over modifications to controls, IWRB will decide using procedures in Section 10

Any adopted modifications are implemented and enforced, as applicable by the department or the NRD(s)

For disputes over implementation or enforcement, IWRB allows each party to state its position and then decides:

- (1) no changes needed;
- (2) changes needed are recommended to the appropriate party; Governor and Legislature are notified, or
- (3) one or more parties failed to implement or enforce in good faith or is unable to do that; Governor and Legislature are notified

If (2) and if party for which recommended changes are made does so, dispute is resolved

If (2) and if party for which recommended changes are made does not do so, or if (3)

Issue remains unresolved without legislative action if no interstate decree or compact or other formal state contract or agreement is involved, i.e. if the conflict is just among Nebraska surface water appropriators and ground water users, there is no further recourse

If an interstate decree or compact or other formal state contract or agreement is involved, DNR may initiate the option 3 process provided for in Sections 46-656.50 through 46-656.61

To continue, go to top of Option 3 Flow Chart distributed earlier to Task Force

DATA NEEDS SUB-COMMITTEE

The Data Needs sub-committee met on February 5 in Grand Island. Paul Currier and John Turnbull, Water Task Force members, Duane Woodward - Central Platte Engineering Hydrologist, and Rich Kern - Department of Natural Resources Engineer were present. The following table lists the information, data, maps necessary to conduct two levels of study and then the management of an integrated water management area. The list is not intended to be all inclusive.

As amended by the Water Task Force Executive Committee on Feb 10, 2003

DATA	RECONNAISSANCE LEVEL STUDY	DETAILED GROUNDWATER AND SURFACE WATER STUDIES	MANAGEMENT AND REGULATION
EXISTING RECORDS, DATA, AND MAPS			
Stream flow historic records	Х	Х	
Stream base flow historic records	X	Х	
Surface water use			·
Surface water use by individual appropriators	Х	Х	
Reservoir storage historic records	X	Х	
Surface water delivery to farms (Irrigation districts)	Χ.	Х	Χ
Canal historic and current diversions and return flows	X	Х	Х
Canal seepage losses		Х	Χ
Ground water data			
Ground water levels historic records	Х	Х	X
Well hydrographs	X	X	X
Ground water table historic maps	X	Х	X
Ground water pumpage records			
Municipal water use	Х	X	X
Industrial water use	Х	X	Х
Agriculture use	Х	X	Х
Climate records	X	X	Х
Land Use			
Crops		X	Х
Pasture and range		X	Х
Conservation practices	Х		
Irrigated acres - historic and current	X		
Surface water irrigated acres - detailed inventory - air photos, etc.		Х	
Ground water irrigated acres - detailed inventory - air photos, etc.		X	
Surface water rights by tract of land - DNR approved rights			Х
Ground water irrigated acres by tract of land - certified by NRD			X
Well locations		X	Χ
Population		X	
Physiographic region maps		X	
Topographic maps - land elevation and contours		X	
Soils		Х	

DATA	RECONNAISSANC E LEVEL STUDY	DETAILED GROUNDWATER AND SURFACE WATER STUDIES	MANAGEMENT AND REGULATION
Geology			
Test hole records (Conservation and Survey Division)		Х	
Test hole records (Well drillers)		X	
Irrigation well drilling logs		X	
Thickness of aquifer		X	
Horizontal extent of aquifer	·	X	
Top of aquifer		X	
Base of aquifer		X	
Transmissivity		Х	
Storage coefficient		Х	<u> </u>
Pump test data		X	
Wetland and wetland hydrology inventory	X	X	
Instream flow rights	X	X	X
Habitat flow needs	X	Х	_
COMPUTER MODELING, PROJECTIONS, AND INFORMATION FOR POLICY DECISIONS Develop Ground water and precipitation historic changes graphs	ı x		T
Develop Surface water and precipitation historic change graphs	$\frac{\hat{x}}{\hat{x}}$		
	- - / · · ·	'	•
Conduct research to fill in data gaps	1	Χ	-
Conduct research to fill in data gaps Computed Recharge data		X	
Computed Recharge data		X	
Computed Recharge data Compile low stream flow data			
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model		X X	
Computed Recharge data Compile low stream flow data		X X X	X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues		X X X	X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED		X X X	X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends		X X X	
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends Precipitation		X X X	X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends		X X X	X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends Precipitation Ground water levels Stream flows		X X X	X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends Precipitation Ground water levels Stream flows Reservoir storage		X X X	X X X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends Precipitation Ground water levels Stream flows Reservoir storage Irrigation water use		X X X	X X X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends Precipitation Ground water levels Stream flows Reservoir storage		X X X	X X X X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends Precipitation Ground water levels Stream flows Reservoir storage Irrigation water use Municipal water use		X X X	X X X X
Computed Recharge data Compile low stream flow data Develop Ground water and surface water computer model Develop water supply projections Social - Economic issues IF INTEGRATED MANAGEMENT PLAN IS IMPLEMENTED Monitor trends Precipitation Ground water levels Stream flows Reservoir storage Irrigation water use Municipal water use Industrial water use		X X X	X X X X X