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-	Decision Support System NEEds
	moa
	Europemental Requirements/Europemental Account
	Trausferability - Marketing - Banking
	Groundwith Rights Administration
	Replacement Water
	Ease of Use for More Complicated System (Both Administrator & water 179 hb holder)
	Micromungement of water For greater Efficiency
	Predictive
	Model/Legal Construct For Water Rights Applicants
	NEEDS to Incorporate Realtime DCPS and WISKI
	Mid Rauge Predictive Model that will Predict Possible Flows up to a month in
	Idvince using a one-day time step
	A Short Range Predictive Model that will predict Possible Flows
	up to 48 hows in Advince using some to how time step
	A Forum for Exchange of Into Concerning room Flows & diversions
	A Place where coment river Flows and deversions, slong with predict
	Flows me displayed
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Image: Control of the	
	1) monthly model useful for Resulver Operations Study and that Con ut. lize Co Hyst For Base Flows & Show was term changes _ Bur ('an
C application of the state of t	ut. lize Co Hyst For Base Flows & Show to term changes - Bur ( or
	5 Short Term 48 hour model that Shows what water Supply proper
1000	will need to offset flows under wet dry or wormal Target flows
	(C. un Inflows and coment reach gain what should we release at NP to
	Achieve given GI Target Flow)
	3) Pun Long Torm models for Log EFFECT of Reach Good & modely
	broad on douly reach gain
TO MANDON MOTOR ( ) - o rock	
are carrie and particular <mark>artifallo</mark> (CC de Inspirit Artifallo de recumenta a segui gaza, segui	

	tomp weather
*	To hast 3 days reach go thus much 19suming & Conditions what will water be at GI to do we weed release
	FIWS For Account - Interactine with Densin my King
	Releases for Try of Flores 15 w dueson
*	Run long term models for long effect & Reach 90 in 5 of medity
	based on doil y reach quis
	Change en Reach GAW From Mound - use Collys7
	DP Study xxterneting with Potential Reach QAIN long toom
	charges of short term Fluctuations
er e	
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(Corone Uses) Trust us us Prove it (100%) Sophisticited Brodaid - A Huge Accomplishent Figure out 48 hrs shead on moulty B15-5 Prinauly Sw Decision Support 6w can do deplehos Copystnouthy can give duly deplotions 2 Purpose - 1 Resour Operalous Model Model BASIS (OP Study) IF you keep this this will be out flow Swenthese inflows apturinge how much to Cologs to Ps Soudge of Lick to CO HAST morthly modeling one model of This Pumping These Scenarios This River Proles will does it Look Like Coop Agree will have water Supply project Kroge of Studies that inlegrate 5W & 6W for Long Kange vo Shorter than month -Reservoir Op & general level of 5 w 6 Ga Diversion Imports it to opening rescusors tolesiquing ou Or Stray had Fixed reach son - But when you changes them. 48 hr more Cike JEFF on Lower Plate - Rogers Thought was LP ANN - Weve probably got (P prelly much figured out For Now Proble - Power Sugary - Menfort gages Plate itself water supply projects will word to offsel flows

Recommendation for Preferred model Frank Kwapuowski Agunda on Plate River Amy us fus Logistics 6,66 SPC Inv. 7885 Small Stops LAWSON Cities Inck Paurel Let John Lowson Know about Lower Plate Circles Alline April 26 mg. Amy Lieb - Red Run Valley Process Relied on People Involved - Public Involvement - Don't Go undo model Selection Culour of this point Define more O Red Involved Public Participation Mark-Iterative Process - goal to do more shot but 10 Am I send letter to All NON-FEdural Invitees Discussion of Selection Process
Discussion of For Selection Proposed Prioritization / Public Process / Participation Partipostion/Public Participation Emsel make JINCK. STATE Sends Letter to Non Fed Participants on ustus Get AND back to mike on Whether do USFWS 6 Liwon Cum Import Study Stugion LP Alliance Man money

Consider Typing ruto C15 dalaleeste - Just begung conduction Start, of to Look st geolocation for objects June Zday were Mtg, ~ Boulder ANN. Hon do we regulate water rights when we have days of travel time - It takes a day to shut canal off - NEMA NOT here but intent in flood Flows Also respondent to head of might an districts Cooperative Agreement Colorado, Wyoning & USFWS Subject - Wquelity Side Effect of Surface Kunoff on Quality of GW WEILS Account Balancing A MAJO- STEP would sloo ( Ke sedement of Spotsol data Alsowater Thazes of Timing Charges Sedement + Musports Tenperature For endangued species chand norphology. Mike Putrolli Denon on SAN Juan said this could be applied to Cantral Plate on Charle Morphology Armand - Some sedement's findes done with River usine, but Not put of Standard model JEFF-Then use Ruemane Outputs As inputs son gromophology Studies.

major models OPSTudy, NPhille Ruen model For wyoning, Colorado For SPille Good For Leaving of TEsching of Opentors AS well AS JETS Mulalion of 5 ysbn. Public Simulation Mideling it Texter pretion Carter NEED Some Form of Graphical Dupit - Output
Better Similate Sur Ince water Side 5 Poste model Available in LASI Four Months JETEMY -Long Term John flows 6 FWS TARGET Flows Afficilly by their operations. Any thing Allowing work securitions. ockse is better ANN-The will ben END Accounting byoning - A vendysome ON S Platte Tomorack Will provide Gows in SPIable in txchang to maconingly Frok- Mechanism to When Toget Froms will sud would be met Do NEED to Temen ber Juny 15 A Model & Keep in wind precision versus loving Frank-Copyst is good model of what to Leok A)
spreads cost & puts tech Expertise Fronk-what were costs for other Basins?

Basins in ruge of Low \$200,000;

For 2 to 3 years For recent pres year

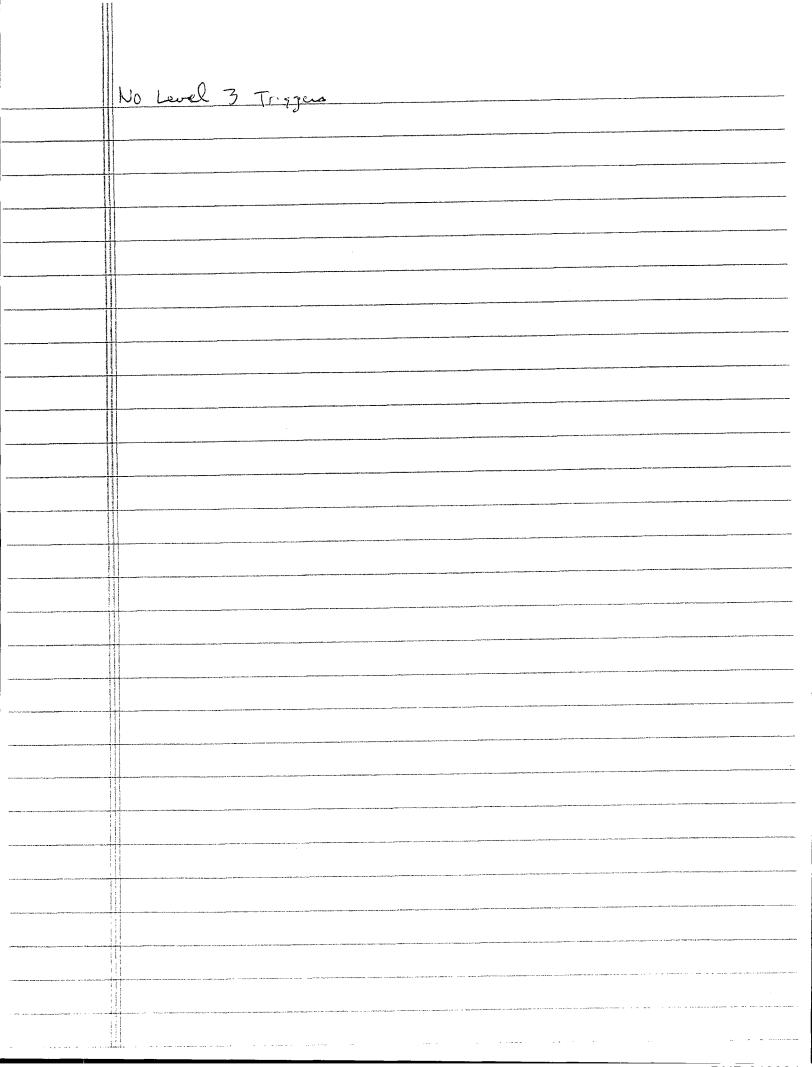
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100° fron general investigation Conerd Twestrystrons - stateworld world to be \$50,000 of GI Dorset Know

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MIKE Perench \$100,000 Ans-we will make some we get brok to mike in west week or so, O Equipment replacement Keplacent/Equipmed Schools Trans Book & Quelly Assume For Grang Stations Rover Gozag Statum once evong 5 years Nead for gazer Waler Adam, Parg, flood Pedudon, En Scener Priortize all gyges Det partilly help, on some grages IF we can just for our program it gets high provity Hydrographic Conference in Correction with Departmental Conference - 1 to 1'2 days looking at gaging problems PM for Equent replacement 1 Bridgeput the Ast lumped Ask of what Expenditures were on strong gaging in 10th hand year - Budget Request Tust of contens 15 that we got 30 NEW garages 8 years Ago. Do still cost showe with US65



Tasks for the Decision Support System Implementation.

- 1. Get streamflow data online.
- 2. Get hydrographic database established.
  - Streamflow records.
  - Well record database.
  - Surface Water Right Database.
  - Stream database.
- 3. Get Predictive Model.
- 4. Get Tracking Program online.
- 5. Expand to other basins.
- 6. Evaluate Gage locations.
- 7. Complete USBR proposal.
- 8. Evaluate other DSS's /
- 9.
- 10.
- 11.
- 12.

Study proposal deadline as August it
Would prefer 1 State entity as lead pauline and other
cooperating part pais Accounting General Reservoir Operations/monogenal
Running on Sunspark - My do Averseion For Canada ho. run on NT ANN- Does in Frig Districts boutstate word to be she to use to make deapens be she to use to make decisions Current Sunwork Station Cost down in \$4000 ronge Ann FUTENET feels ile. Arnad-data Central model - we develop software not data
Processes

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## **MEMORANDUM**

from the Division of Water Resources

On March 17, 2004, Representative Young and Senator Reeves of the Joint Budget Committee introduced House Bill 04-1402, calling for the repeal of the Water Administration Fee Program.

On April 7, Governor Owens signed HB 1402, thus repealing the Water Administration Fee Program, effective immediately. The legislation abolishes the program and requires the State Engineer to cease collection of Water Administration Fees and to refund those fees already collected no later than June 30, 2004.

This proposal was developed with two primary considerations:

1. The legislative economic forecast indicates that the amount of revenue received from the water administration fees would be equal to the amount refunded by TABOR in fiscal year 2004-2005.

2. The general concept that water resources are a life-sustaining necessity and of comprehensive value to all of Colorado's citizens is a benchmark that pre-dates statehood – thereby, it is appropriate to fund water administration through general funds.

We thank the water users and the general public for the input and patience they have provided during this time.

## Chronology of House Bill 04-1402

March 19 - The House Ag Committee voted unanimously to repeal the program.

March 22 – The House Appropriations Committee voted unanimously to repeal.

March 25 – The House of Representatives voted unanimously to repeal.

March 26 – Senate Appropriations Committee voted unanimously to repeal.

March 30 – The Senate voted unanimously to repeal.

April 7 – Governor Owens signed HB 1402, repealing the program.

June 7 – last mailing of returns and refunds.

Loug TERM BLIE Flow Mostly Model USES Short TERM REACH GAINS 48 hr Model GOALS Coordination With CONYST Environmental Releases Objectives Upper/Lower PluHE Contral Pulle Optimizing both short and long term

Optimizing Flows 4+ NEEded trees but storge releases see Not made IN Excess of Excess downstream reguments 1355 Parameters Models)w. 11 and Accimately scounts For 1) Long term depletions to Flow From Groundwiter Development or Other measure (2) Short Term Fluctations in reach GAIN From other EFForts such As COHYST Scenarios (5) model should be Especially Attured to SW Gow Intersection

Scenarios (5) model should be Especially Attured to determining Needed Model Should be capable of being TUN For various water supplishedy model should be able to show water sunlish. Ity under Lite dry or wormal target Flowsquen Changing Conditions Ideally model would be able to uncorporate special weather Conditions into scenarios Objectives/Results 1) A Mid range predictive model that will predict possible flows up to A month in Advance using a one-day time slep. The model should be uneful for Reseasir Operations and able to at: 1122 Confort Input on Base from s 2) A short range preductive model that will product possible Flows up to 48 hows in a duance using a one-how time step (IE given inflows by projected reach gain and weather what should we retirg

Att NP to Achieve a given flow at GI at a spreaged time period)

A form For Exchange of Differentian Concerning river From and Differentians on

UB) After where current overflows of diversions Many with predictive Flows and opplayed (Retireps on which we book of the concerning of the whole current overflows of diversions Many with predictive Flows and work website)