



State of Idaho

**DEPARTMENT OF WATER RESOURCES**

322 East Front Street, P.O. Box 83720, Boise, ID 83720-0098

Phone: (208) 287-4800 Fax: (208) 287-6700 Web Site: [www.idwr.idaho.gov](http://www.idwr.idaho.gov).

DIRK KEMPTHORNE  
Governor

KARL J. DREHER  
Director

October 18, 2005

Parties and Others on  
Attached Service List

Re: Ongoing Information Requests and Department Responses to Information Requests,  
In the Matter of the Surface Water Coalition Delivery Call

Dear Parties and Others:

On behalf of the Coalition, HDR Engineering, Inc. has requested formal notification and copies of any information requests regarding the Idaho Surface Water Coalition delivery call submitted to Idaho Department of Water Resources "Department" prior to the scheduled hearing and copies of any information provided in response to received information requests.

In reply, the Department has provided a summary table (enclosed) of all information requests received between May 5, 2005 and October 17, 2005 and the Department responses to those requests. The Department responses are in the form of letters, postings on the Department ftp site, e-mails, phone conversations, and faxes. In addition, a meeting and a presentation were held at the Department office in Boise in response to information requests. Some of the responses to requests are pending completion.

Also enclosed are copies of information requests received by the Idaho Department of Water Resources ("Department") from various consultants (other than HDR), the Idaho Power Company, and the City of Pocatello related to the above-referenced matter. Additional information requests received after October 17, 2005 will be provided when compiled, and the table will be updated.

Sincerely,

A handwritten signature in black ink, appearing to read 'Karl J. Dreher', written over the word 'Sincerely'.

Karl J. Dreher  
Director

Enclosures

## CERTIFICATE OF SERVICE

I HEREBY CERTIFY that on this 18<sup>th</sup> day of October, 2005, the above and foregoing, was served by the method indicated below, and addressed to the following:

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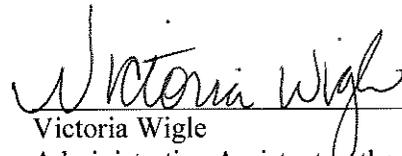
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Victoria Wigle  
Administrative Assistant to the Director  
Idaho Department of Water Resources

**October 17, 2005**

**Summary of Information Requested in Relation to the Contested Case**

#	Requested Item(s)	Date	Requested by	Form	Resolution	Comments
1	Request for the entire Record of Decision that was considered in the Directors Orders	May 5, 2005	City of Pocatello	letter	IDWR sent a letter to Service List on 5/11/05.	IDWR sent a CD to City of Pocatello on 5/11/05. Others received the CD upon request.
2	Request for data files related to ESPAM	June 7, 2005	Idaho Power Company	e-mail w/ attachment	Letter and CDs sent to Service List on 7/12/05	
3	Request for data files related to ESPAM	June 9, 2005	Idaho Power Company	e-mail	Letter and CDs sent to Service List on 7/12/05	Idaho Power Company prioritized the June 7 request.
4	Request for data files related to ESPAM	June 27, 2005	Idaho Power Company	letter	Letter and CDs sent to Service List on 7/12/05	Idaho Power Company clarified/added to the June 7 request.
5	Request for version 1.1 of ESPAM	July 11, 2005	Hydrosphere Resource Consultants	e-mail	Posted on IWRRI web site on 8/2/05	
6	Request for planning model documentation, source code, executable, etc. and accounting program documentation and source codes	July 27, 2005	ERO Resources Corp.	letter	IDWR postings on the ftp site on 8/2/2005 and 8/3/2005	WD01Accounting.zip. Includes all available/existing ALPHA-archived accounting data from 1977 to 2004. Planning model files posted: Snk2002dvsn; Snk2002.Rchgn; SnkMod04.f90; SnkMod04.Ind; SnkMod04.Out; SnkOutLst.for; and SnkOutLst.Ind.
7	Request for Idaho Power CDs	July 27, 2005	HDR Engineering, Inc.	phone conversation	CDs sent via Federal Express on 7/27/05	
8	Requests for other requests for information related to Idaho Power data transmitted	July 27, 2005	HDR Engineering, Inc.	e-mail	IDWR e-mailed a response on 7/27/05	No other requests
9	Request for other requests related to the Delivery Call	July 27, 2005	HDR Engineering, Inc.	e-mail	Substantive information provided to all parties on the Service List via the ftp site, mailings, etc.	
10	Request for files, databases, models, etc., related to Surface Water and Water Supply Data, Ground Water Data, and other requests for information related to the Delivery Call	July 29, 2005	HDR Engineering, Inc.	letter	IDWR posting on the ftp site on 8/2/2005 IDWR sent a letter sent to Service List on 8/8/05.	ftp://ftp.state.id.us/IDWR/Outgoing/WD01Accounting.zip. Includes all available/existing ALPHA-archived accounting data from 1977 to 2004. The 8/8/05 letter contained an attachment that aligned requested items with IDWR responses.

October 17, 2005

**Summary of Information Requested in Relation to the Contested Case**

#	Requested Item(s)	Date	Requested by	Form	Resolution	Comments
11	Request for access to reach Gain/loss data	August 16, 2005	HDR Engineering, Inc.	e-mail	IDWR posting on the ftp site on 8/17/05	RiverTargets.zip
12	Request for original well logs	August 16, 2005	Idaho Power Company	e-mail	IDWR e-mail response on 8/17/05	No other information available
13	Request for information on the accounting model and "snkalclst" program	August 24, 2005	HDR Engineering, Inc.	e-mail and letter	IDWR met with HDR and ERO on 9/2/05 at the Water Center	Files do not exist.
14	Request for a list or directory of ftp postings related to the contested case	August 24, 2005	Hydrosphere Resource Consultants	e-mail	IDWR posting on the ftp site on 10/7/05	IDWR posted a file containing an index and descriptions of the files posted on the ftp site: Files_Posted_Pre_7sep2005.pdf.
15	Request for "influence zones"	August 25, 2005	Hydrosphere Resource Consultants	e-mail	IDWR e-mailed a response on 8/25/05	Information not available
16	Request for 2004 Water District 01 Report in electronic form	August 25, 2005	Hydrosphere Resource Consultants	e-mail	IDWR posting on the ftp site on 9/23/05	DraftWD01Reports01-04.zip
17	Request for missing accounting files and information regarding SNKALCLST.for	August 29, 2005	HDR Engineering, Inc.	e-mail	IDWR met with HDR and ERO on 9/2/05 at the Water Center	Files do not exist for PC platform.
18	Request for the percentage of water diverted by MID and BID	August 26, 2005	Spronk Water Engineers	phone conversation	IDWR e-mailed a response on 8/29/05	
19	Request for programs, input data files and scripts to calibrate ESPAM	September 6, 2005	Idaho Power Company	e-mail	IDWR posting on the ftp site on 9/6/05	ver1_calibration_files.zip Updated on 10/5/05 to include PEST Instructions.doc.
20	Request for assistance with GIS files	September 7, 2005	HDR Engineering, Inc.	e-mail	IDWR e-mailed a response on 9/8/05	
21	Request for electronic copies of weekly reports of flow diversion data for the Coalition	September 8, 2005	HDR Engineering, Inc.	e-mail	IDWR posting on ftp site on 8/2/2005; IDWR posting on ftp site on 9/23/05	Only daily data are available. WD01Accounting.zip; and DraftWD01Reports01-04.zip
22	Request for visit to IDWR to discuss recharge tool	September 8, 2005	HDR Engineering, Inc.	e-mail	IDWR presented information on the recharge tool 9/21/05	Held in U of I classroom in the Water Center
23	Request for electronic copies of District 01 WATERMASTERS Reports for 1980-86, 1989, 2004	September 8, 2005	Hydrosphere Resource Consultants	e-mail	Water District 01 scanned and e-mailed tables on 9/13/05 and 9/14/05; IDWR posting on the ftp site on 9/19/05 and on 10/3/05	Tables21to29WD01.zip Tables 21 to 29 for 1980-1986, 1989, 2001, and 2003. Year 2004 was posted on 9/23/05. Year 1989 was posted on 10/3/05 as 1989WatermasterReport.tif.

**October 17, 2005**

**Summary of Information Requested in Relation to the Contested Case**

#	Requested Item(s)	Date	Requested by	Form	Resolution	Comments
24	Request to re-run the Base Case Scenario using ESPAM ver 1.1	September 8, 2005	Brockway Engineering	letter	Information pending completion of scenario	
25	Questions regarding IDWR Reach Gain/Loss Tool	September 9, 2005	HDR Engineering, Inc.	e-mail	Phone conversation between Water District 01 and HDR during week of 9/12/05 and IDWR e-mail on 9/13/05.	
26	Request FORTRAN source code for espam.exe and readinp.exe and FORTRAN compiler type	September 16, 2005	HDR Engineering, Inc.	e-mail and fax	IDWR posting on ftp site on 9/19/05	espam_exe.zip and readinp.zip
27	Request of Information Requests and IDWR Responses	September 16, 2005	HDR Engineering, Inc.	fax and letter	Substantive information provided to all parties on the Service List via ftp site, mailings, etc.	
28	Reiterated Request to be notified of all information requests	September 16, 2005	HDR Engineering, Inc.	e-mail	Substantive information provided to all parties on the Service List via ftp site, mailings, etc.	
29	Request for remainder of 2003 Water District 01 data	September 17, 2005	HDR Engineering, Inc.	e-mail	IDWR posting on the ftp site on 9/23/05	DraftWD01Reports01-04.zip
30	Request to receive the entire draft WATERMASTERS reports from 2001 to 2004	September 19, 2005	HDR Engineering, Inc.	e-mail	IDWR posting on the ftp site on 9/23/05	DraftWD01Reports01-04.zip
31	Request to receive the Recharge Tool training via Net Meeting	September 20, 2005	Hydrosphere Resource Consultants	e-mail	Requestor was connected via Net Meeting 9/21/05	
32	Request for an index containing descriptions of all zip files posted on the IDWR ftp site (See notes.)	September 20, 2005	City of Pocatello	letter	IDWR posting on the ftp site on 10/7/05	Files_Posted_Pre_7sep2005.pdf
33	Request for all files necessary to run steady state and transient versions of ESPAM 1.1 and various utilities	September 21, 2005	HDR Engineering, Inc.	hand-delivered letter	IDWR postings on the ftp site on previous dates, on 9/27/05, and via previously provided CDs	WaterBudgetData.zip; and VB Utils.zip
34	Request for copy of 9/21/2005 HDR letter	September 23, 2005	HDR Engineering, Inc.	verbal via telephone	Copy faxed to HDR on 9/23/05	

October 17, 2005

**Summary of Information Requested in Relation to the Contested Case**

#	Requested Item(s)	Date	Requested by	Form	Resolution	Comments
35	Request missing information related to ESPAM, and Base Case and Curtailment scenarios on version 1 and 1.1	September 23, 2005	HDR Engineering, Inc.	fax and letter	IDWR postings on the ftp site on previous dates, on 9/27/05, and via previously provided CDs.	WaterBudgetData.zip; and VB_Utils.zip Some information was made available to the ESPA Modeling Committee during Recharge Tool training in May 2004.
36	Request to locate the GIS input files to the ESPAM.exe program	September 29, 2005	HDR Engineering, Inc.	e-mail	IDWR e-mail response 9/30/05	
37	Request for scanned in pdf of 1989 Water District 01 WATERMASTERS Report	September 30, 2005	HDR Engineering, Inc.	e-mail	IDWR e-mail (S. Burrell) on 10/3/05 and postings on ftp site 10/3/05 and 10/4/05	1989WatermasterReport.tif and 1989_Watermaster_Report.pdf
38	Request for assistance in using Recharge Tool in replicating period from 1980 - 2001	September 30, 2005	HDR Engineering, Inc.	phone conversation	IDWR and IWWRI e-mail responses on 10/3/05; posting on the IDWR ftp site of a step-by-step procedure (see 10/3/05 memo from Bryce Contor) on 10/4/05	Step-by-step procedure: ESPAM_EXE_MEMO_3Oct2005.pdf IDWR made Bryce Contour (IWWRI) available to answer technical questions regarding the Recharge Tool and model calibration and operation on 10/3/05.
39	Request regarding appropriate ESPAM GIS Recharge Tool input files to use and missing files.	October 3, 2005	HDR Engineering, Inc.	memo via e-mail	IWWRI sent two email responses on 10/4/05 [5:32 AM and 5:50 AM]. IDWR sent an e-mail on 10/4/05 [8:47 AM] and posted the step-by-step procedure (see above). In the process of developing the step-by-step procedure, IDWR discovered 3 files were missing from the May 2004 Recharge Tool training discs. The files were posted on the ftp site on 10/4/05. Three new files were posted on the IDWR ftp site on 10/5/05.	Three missing files: ESPAM_GIS_UPDATE_3Oct2005.zip  An ET raster in question was contained on the Recharge Tool training disc provided in May 2004.  Three new files posted: HDR_IWWRI_Correspondence_30Oct2003.pdf; (see 10/4/05 [5:50 AM] e-mail w/attached responses) Water_Budget_Ballencer_Memo.pdf; (see 10/4/05 [1:00 PM] e-mail with attached memo); and Summary_Tools_Memo.pdf (see 10/4/05 memo from Bryce Contor)
40					IDWR posting on ftp site on 10/5/05	IDWR updated ver_1_1_calibration_files.zip to include PEST_Instructions.doc on the ftp site.

October 17, 2005

**Summary of Information Requested in Relation to the Contested Case**

#	Requested Item(s)	Date	Requested by	Form	Resolution	Comments
41	Request for pre-processor and post-processor files used to run the accounting program	October 7, 2005	ERO Resources Corp.	phone conversation	IDWR posting on ftp site on 10/7/05	SNK FOR COM PP.zip
42	Request for additional file	October 7, 2005	ERO Resources Corp.	e-mail	IDWR posting on ftp site on 10/11/05. The Service list was notified on 10/13/05.	ADD SNK FOR COM PP.zip
43	Request for water rights accounting file SNKSTO05.rpt;11 from the alpha program	October 11, 2005	Pam Pace	Request made at the IDWR Boise office	Requested file will be provided to Pam Pace in her deposition. IDWR posting on ftp site on 10/17/05	SNAKSTO05.rpt;11
44	Request for No Surface Water Changes Scenario with full electronic data sets	October 11, 2005	HDR Engineering, Inc.	e-mail, fax, and letter	HDR was informed via e-mail on 10/11/05 that the information was previously posted on the IDWR ftp site.	
45	Request for clarification regarding Curtailment Scenario Water Right data tables	October 12, 2005	HDR Engineering, Inc.	memo via e-mail	IWRRI e-mailed a response to HDR on 10/12/05 [5:26 PM]. IDWR posting on ftp site 10/13/05.	Question_on_Curtailment_Scenario_Water_Rights_Data_Tables4.PDF
46	Request for clarification regarding Transient ESPAM simulation for 1980-2002	October 12, 2005	HDR Engineering, Inc.	memo via e-mail (same cover e-mail as above)	IWRRI e-mailed a response to HDR on 10/13/05 [10:45AM]. IDWR posting on ftp site on 10/13/05. IWRRI emailed a response to HDR on October 14, 2005. IDWR posted additional information on the ftp site on 10/14/05 ( IWRRI provided further clarification).	Question_on_Transient_Model_Files.PDF  Note: additional information was added to the above file on 10/14/05. The new file posted is:  Question_on_Transient_Model_Files.zip  The Service List was notified 10/15/05.
47	Request to confirm that the files for Version 1.1 of the ESPA model that have been placed on the IDWR web page on October 5, 2005 are the actual final and correct version of the model	October 12, 2005	HDR Engineering, Inc.	memo via e-mail	IDWR e-mailed a response to HDR on 10/13/05 [8:43 AM]. IDWR posting on the ftp site on 10/13/05.	Question_on_Transient_Preprocessor_Files1.PDF

**October 17, 2005**

**Summary of Information Requested in Relation to the Contested Case**

#	Requested Item(s)	Date	Requested by	Form	Resolution	Comments
48	Request for Kelly Close to receive notice of ftp postings	October 13, 2005	Hydrosphere Resource Consultants	e-mail	IDWR emailed a response on October 13, 2005	
49	Request the missing output files from 9/28/05 posting of Version 1.1 of ESPAM	October 13, 2005	HDR Engineering, Inc	e-mail	IDWR posting on the ftp site on 10/13/05	MODFLOW Instructions.zip
50					IDWR posting on the ftp site on 10/13/05	IDWR posted a file that allows the recharge tool too be run using ArcGIS 9.1. The file is: espamArcGIS91.zip
51	Questions regarding how the reach-gains program functions	October 13, 2005	HDR Engineering, Inc.	phone conversation	Questions were answered in a phone conversation summarized in an IDWR e-mail [10/14/05]	
52	Request for information related to various ground water districts and SW Irrigation District and the volume of water diverted each year since establishment of the districts.	October 13, 2005	ERO Resources Corp	e-mail	response pending	
53					IDWR posted an updated index to files on the ftp site on 10/17/05	FTP Files and Description pre 10-14-2005.pdf

Notes: 1) Files are posted in an IDWR ftp site subdirectory at ftp://ftp.state.id.us/IDWR/Outgoing/SWCOALITION/, and notifications of postings are sent to the Service List.  
 2) A letter was sent to IDWR on September 20, 2005 from Sara Klahn representing the City of Pocatello requesting a number of items. The information provided by IDWR was sent to the Service List.  
 3) During the deposition of Donna Cosgrove on October 13, 2005, a request was made for e-mail correspondence files kept by Donna and Bryce Contor [IWRRI] with regard to the contested case. IDWR will provide the e-mail correspondence files to the Service List.

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May 5, 2005

*Via Fax 287-6700*

Karl Dreher, Director  
Idaho Department of Water Resources  
322 East Front Street, 6th Floor  
Boise, Idaho 83702

Re: *IDWR's February 14, 2005, April 19, 2005, and May 2, 2005 Orders*

Dear Karl:

On behalf of the City of Pocatello, I request that you provide Pocatello with the record of decision ("ROD") that you considered in reaching the decision that led to your Order of February 14, 2005, Order of April 19, 2005, and Amended Order of May 2, 2005, with respect to the January 14, 2005 delivery call placed by the Surface Water Coalition ("SWC"). This request is intended to include all documents and other information relied on or considered by you for each finding in the orders.

We are uncertain of everything that is contained in the ROD. The Idaho Department of Water Resources' (IDWR) Rules specify certain items that are to be included within the ROD. However, there may be additional information that is not specifically listed in the Rule but which is part of the record that you considered.

To reiterate, Pocatello requests the entire ROD that IDWR has accumulated with respect to its consideration of SWC's request. Specifically, however, without limiting the generality of Pocatello's request, please include the following items that are listed here with references to the May 2, 2005 Amended Order:

- a. Ground water model runs (including input and output files, summaries of input data and model results, and other post-processing and analysis) for Finding Nos. 77 and 123 - 131.
- b. Input files, output files and summaries thereof for Water District 01 Accounting, including that used for Finding Nos. 106 and 131.
- c. Input files, output files, and summaries thereof for runs of IDWR's "Planning Model."

Karl Dreber  
Re: Water Call Orders  
May 5, 2005  
Page 2

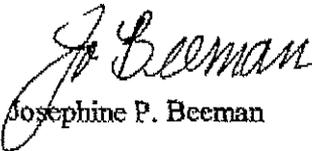
- d. Stream flow and diversion records, and summaries thereof.
- e. Records, summaries, and analyses that were the bases of findings regarding the adequacy of the historical water supply and projected supply shortages for each of the Surface Water Coalition members, including Finding Nos. 88-106 and 115-120.
- f. Spreadsheets or other computer files used in preparing the correlations and analyses referenced in Finding Nos. 102-106.
- g. Technical information and notes (or transcripts) from the discussions IDWR had with the Farm Services Administration.

Pocatello intends to exhaust its administrative remedies in this matter, and would like to review the ROD, in order to have a full understanding of the data and information upon which your order was based, before filing responses to the May 2, 2005 Order. To permit Pocatello to accomplish this, we request that you provide the material to me in hard copy or electronic form by Tuesday, May 10, 2005. If IDWR is unable to timely provide a copy of the ROD, please release the ROD to Pocatello so that it may make arrangements to make copies in a timely fashion.

An early response to our request is greatly appreciated.

Sincerely,

BEEMAN & ASSOCIATES, P.C.

  
Josephine P. Beeman

JPB:ja  
cc: Dean Tranmer (Pocatello City Attorney)  
Sarah Klahn (White & Jankowski)  
Greg Sullivan (Spronk Water Engineers)  
Z:\1776\4-19\6690

## Raymondi, Rick

---

**From:** Bowling, Jon [JBowling@idahopower.com]  
**Sent:** Tuesday, June 07, 2005 4:20 PM  
**To:** Donna Cosgrove (E-mail); Rick Raymondi (E-mail)  
**Cc:** Bryce Contor (E-mail)  
**Subject:** Memorandum



IPC Data  
quest June 05.d

<<IPC Data request June 05.doc>> Attached is the data request that I discussed with Rick and Donna on the phone. I realize that some of this data is available on the IDWR website, but the process is too time consuming and not to efficient. Please let me know if you have any questions or need more information. Also, could you please let me know when you might be able to complete this request. I will probably need more later, but this is a good start.

Thanks for your help with this. I really appreciate it.

Jon

Jonathon C. Bowling P.E.  
Engineering Leader  
Water Management  
Idaho Power Company  
(208) 388-2905  
jbowling@idahopower.com

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>

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## Idaho Power Company data request for IDWR and IWRI

1. IDWR's well database on CD's, if possible. It would be best if I could have only the ESPA area, and ideally would like this to contain the scanned well driller's report forms that show lithology, water level, and test data if possible.
2. Database of spring locations, elevations and discharge. This should include location (PLSS or lat/long) spring names, elevations, and any ancillary information or notes, including field observations about the elevation or geologic nature of the spring discharge. The "Spring Discharge along the Milner to King Hill Reach of the Snake River" by Gary and Donna shows a number of springs, locations and in particular discharge graphs. I would like to have the database with those locations, elevations and in particular the measured or estimated discharge values.
3. IDWR's gain/loss measurements (data Dick Lutz provided for use in model calibration) in the Snake River.
4. Arcview shapefile coverage's of the Idaho public land survey system for the ESPA model area (coverage's of sections, townships, ranges)
5. A hard copy or, if possible, digital coverage's (Arcview shapefiles preferable) of the ESPA including Water District maps and spring locations.
6. Water level mass-measurement data for wells in the ESPA.
7. Water level database from all wells in the ESPA, (to the extent it is different from the mass-measurement data). Please provide database of raw measurements, not averaged values. In addition I need all the associated data such as measuring point elevation, screened interval, location, etc.
8. Water level targets used for comparison with model output. This might be a processed version of (7) above or may be unrelated.
9. Reach gain targets used for comparison in the model output. This should be a processed version of (3) and data available from the USGS stream gages that were used to compare with reach gains predicted by the model.
10. Data files for the Recharge Tool used to generate the base case. This should be a collection of shape files. I have some adf files that cover 1980-2002, but would like to make sure that these are the files used to generate the base case and that I have all the components.

## Raymondi, Rick

---

**From:** Bowling, Jon [JBowling@idahopower.com]  
**Sent:** Thursday, June 09, 2005 2:50 PM  
**To:** Rick Raymondi (E-mail); Donna Cosgrove (E-mail)  
**Cc:** Bryce Contor (E-mail)  
**Subject:** ESPA Data Request

Rick, Donna and/or Bryce

After thinking about this request, below is a list of some of the first thing I need. I still need to have all of the info in my original request, but will take the info piecemeal, starting with the items listed below.

- 1) In "Depth to Water Measurements in the East Snake Plane Aquifer: 1980 to 2000" by Suzanne Shaub on page 5, it mentions "An Access database was designed to allow for the overall management of depth to water data. The Access database \DWR282\pccommon\ESRP\ESRP.mdb tables were queries...." If possible I would like to have this database on disk.
  - 2) I am assuming that in order for PEST to run, you need to provide it with data files for the targets it should match. I am also assuming this would be water level data, stream reach gain data and spring reach gain data. Would this likely be in two data files, one for steady state and one for transient. There may be different files for the heads and flows, just depending on how you put this together.
- Could I get the head and flow values used as the calibration targets in the steady state and transient PEST runs. The PEST input files would be acceptable.
- 3) In the report "Spring Discharge along the Milner to King Hill Reach of the Snake River" by Johnson et al a bunch of hydrographs are shown, as well as several tables. I would like to have the data behind the hydrographs and tables, which appear to be spreadsheets, probably Excel??.
  - 4) I would like to have all the data files which the Recharge Tool uses to compute the steady state and transient recharge files (ADF and/or shape files). I have some of these files from the workshop CDs such as the precip data, but I don't know if they are complete.

If possible could I get a set of CDs containing the input files used by the recharge tool to calculate the steady state and transient input files.

- 5) You can access water level data from the IDWR web site on a well by well basis, which implies that the data exist in some database. Accessing the date on the web site is slow and tedious. I would like to have a copy of that database if possible.

If I could get all of the information on disk that would probably work best.

Thanks again.

Jon

Jonathon C. Bowling P.E.  
Engineering Leader  
Water Management  
Idaho Power Company  
(208) 388-2905  
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jbowling@idahopower.com

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## Idaho Power Company data request for IDWR and IWRRI

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R. KAYMONDI  
RECEIVED

JUL 07 2005

Department of Water Resources



Jonathon C. Bowling, P.E.  
Engineering Leader  
Water Management Department

(208) 388-2905  
(208) 388-6495 FAX  
jbowling@idahopower.com

June 27, 2005

Rick Raymondi  
State of Idaho  
Department of Water Resources  
322 East Front Street  
Boise, ID 83720

Dear Rick,

Idaho Power Company is requesting data associated with Eastern Snake River Plain, and the enhancements and reformulation of the Eastern Snake Plain Aquifer Model. Specifically, we are requesting the following:

1. We need to know as of June 1, 2005 how far back in time the scanned images for IDWR's well construction database go.
2. We have received the data associated with the paper titled "Spring Discharge along the Milner to King Hill Reach of the Snake River" by Johnson et al. If it exists we would like to obtain a database of all spring locations, elevations and discharge. This should include location: PLSS or lat/long, spring names, elevations, and any ancillary information or notes, including field observations about the elevation or geologic nature of the spring discharge.
3. We would like to have IDWR's gain/loss information (data Dick Lutz used in model calibration) for the Snake River.
4. A hard copy or, if possible, digital coverage's (Arcview shapefiles preferable) of the ESPA including Water District maps and spring locations.
5. We have received the water level mass-measurement data for wells as a .smp file. We need to have information to relate the integer in the left hand column to the actual well location in the IDWR water level database or elsewhere.
6. We have received the water level database for all wells in the ESPA. We need to know what datum is being used for the well location lat/long data and elevations.
7. We have received the water level targets for both the steady state and transient runs used for comparison with model output as .smp files. Again, we need to know how the integer in the left hand column is related to the actual well location in the IDWR water level database or elsewhere. To the extent that these files are the result of averaging, differencing and similar data processing, we need to get those processing programs, instructions or spreadsheets.
8. The file fillflow.dat was provided which contains the reach gain and loss values used by PEST to compare the reach gains to model predictions. We would like to have the data and programs used to calculate these values, such as, the gage records and diversion records.

We would also like to have the programs and control files or spreadsheets so that we can determine exactly which records were used to calculate each reach gain, and how the daily values were reduced to a monthly value. There appears to be a disconnect between the time series in filflow.dat and the ReadMe file. The spring reaches listed in the ReadMe file and elsewhere contains reaches such as Devil's Washbowl to Buhl, Buhl to Thousand Springs, etc, while the filflow.dat file has only three reaches below Milner (mil-k, k-sf and sf-kh). So we will need clarification as to what was actually used.

9. All the data files necessary to run for the Recharge Tool to produce the recharge input files for the steady state and transient Base Case. This would include input rasters, control files, etc. This should be a collection of shape files including but not limited to: well pumping, ditch diversions, ditch losses, water applied for irrigation, ET, and precipitation.
10. To the extent the Recharge Tool relies on pre-processing steps that may not be considered part of the Recharge Tool, we would like to have the files necessary to run these pre-processing steps. This would include input data files, control files and programs. For example, IWRRI Technical Report 04-013 describes processing of PRISM data to produce precipitation input for the Recharge Tool, while IWRRI Technical Report 04-008 describes the calculation of ditch leakage. To the extent these steps are not covered by Item 9., we would like to have those data and program files.

Please let me know if you have any questions.

Sincerely,



Jonathon C. Bowling, P.E.  
Engineering Leader

Wyllie, Allan

---

From: Raymondi, Rick  
Sent: Monday, July 11, 2005 2:50 PM  
To: Dreher, Karl; Anderson, Hal  
Cc: Wyllie, Allan  
Subject: FW: ESPA Model v1.1

Karl,

Chuck Brendecke has made the first request concerning the new model version. I will ask Allan to respond and supply Chuck the information.

Rick

-----Original Message-----

From: Chuck Brendecke [mailto:cmb@hydrosphere.com]  
Sent: Monday, July 11, 2005 2:22 PM  
To: rick.raymondi@idwr.idaho.gov  
Cc: Michael C. Creamer  
Subject: ESPA Model v1.1

Rick

I see in the Clear Springs Order (issued last Friday) that there is now a revised version of the ESPA model. This revision was apparently made to correct some issues related to calibration targets in the Blackfoot-Minidoka reach.

I would like to obtain this revision of the model (transient and steady-state flat-water-table versions) so that I will be using the same model that the Department is using. I would also be interested in seeing any documentation that describes the calibration targets problem and its resolution (I didn't see anything about it on the IWRI site).

Can you tell me how to most effectively get the ball rolling on this?

Thanks

Chuck

--  
Charles M Brendecke, PhD, PE  
Hydrosphere Resource Consultants  
1002 Walnut, Suite 200  
Boulder, CO 80302  
cmb@hydrosphere.com <http://www.hydrosphere.com>  
303-443-7839 (phone), 303-442-0616 (fax)

\*\*\*\*\*

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30-443-7839.

\*\*\*\*\*



## State of Idaho

# DEPARTMENT OF WATER RESOURCES

322 East Front Street, P.O. Box 83720, Boise, ID 83720-0098

Phone: (208) 287-4800 Fax: (208) 287-6700 Web Site: [www.idwr.idaho.gov](http://www.idwr.idaho.gov).

DIRK KEMPTHORNE  
Governor

KARL J. DREHER  
Director

July 12, 2005

Mr. Jonathon C. Bowling, P.E.  
Engineering Leader  
Water Management Department  
The Idaho Power Company  
P.O. Box 70  
Boise, Idaho 83707

Dear Jon,

We have prepared the following written responses as well as copied the data on CDs in order to satisfy your request dated June 27, 2005. This information supplements the data requested in your June 9, 2005 email.

Regarding request number 1:

According to Angie Grimm and John Carlson, the oldest scanned image on the well construction database is somewhere around 1913 to 1911. If you are wondering how complete the files are, I can tell you from personal experience, you need to collect files from both the WEB and the paper files in the regional offices to get all the data available.

Regarding request number 2:

Dr Gary Johnson (U of I) cannot locate a database associated with "Spring Discharge along the Milner to King Hill Reach of the Snake River". However, I included a spreadsheet called Covington&Wever.xls that contains spring discharge, IDTM27 easting and northing, latitude and longitude, model row and column, and spring name. I hope this will help.

Regarding request number 3:

Dick Lutz was not on the ESPA model calibration team. For questions regarding the IDWR river gain and loss program check DDM-017; for questions regarding calculating return flow lag factors (this is what Dick Lutz worked on for the ESPAM) check DDW-005. The above referenced design documents are available at <http://www.if.uidaho.edu/~johnson/ifiwri/projects.html>.

Regarding request number 4:

Dist\_120\_130 - Shape file of water districts 120 and 130.

gw\_districts - Shape file of the ground water districts on the eastern snake plain

1x1\_cell\_attris - Shape file of the ESPA

CovWevSpgs - Shape file of spring locations

Regarding request number 5:

ESPA\_WEL\_Ft.dbf - database file cross-referencing database well names and PEST names

DEMelev.dbf - database file cross-referencing PEST names and well elevations obtained from DEMs as discussed in DDM-011 (available at

<http://www.if.uidaho.edu/~johnson/ifiwri/projects.html>).

Regarding request number 6:

The integer in the left hand column of all water level \*.smp files is the PEST name referenced in ESPA\_WEL\_Ft.dbf.

The datum used for the model was IDTM27; length units are feet.

Regarding request number 7:

The integer in the left hand column of all water level \*.smp files is the PEST name referenced in ESPA\_WEL\_Ft.dbf. HDSAVG.exe was used to average aquifer heads during the steady state period. SMPDIFF was used to difference seasonal and mass measurement heads. SMPTREND was used to difference the trend heads. The Microsoft Word file Programs.doc provides some instructions for the averaging and differencing programs.

Regarding request number 8:

Filfow.dat contains filtered Snake River reach gain and loss data. The data that were filtered consisted of output from the IDWR reach gain and loss program (the IDWR reach gain and loss program is discussed in DDM-017 available at <http://www.if.uidaho.edu/~johnson/ifiwri/projects.html>). The ESHMC decided to replace the three river reaches below Milner (Milner to Kimberly, Kimberly to Salmon Falls, and Salmon Falls to King Hill) with 6 spring reaches. The 6 spring reaches Devil's Washbowl to Buhl, Buhl to Thousand Springs, etc are not represented in the IDWR reach gain and loss program. Output from the IDWR reach gain and loss program was filtered through TSPROC (see <http://www.sspa.com/pest/> for documentation and to download TSPROC). Note that model outputs also need to be filtered through TSPROC before PEST compares them with the filtered observations.

Regarding request number 9:

Model\_Calibration\_GIS\_NonRaster\_Fall\_04\_1 - This is a copy of all the GIS point, line and polygon features used in model calibration, as delivered to participants in the May 04 training. Also included are shapefiles for public land survey, underlying general soil classes, ground-water polygons, and surface-water entities. Contains a "readme" further describing its contents.

Model\_Calibration\_Spatial\_Data\_Fall\_04 - Contains the output from the GIS portion of the recharge tool and the FORTRAN portion of the recharge tool. Contains a "readme" further describing its contents.

Div - input to recharge tool, surface water diversions tables

ET - input to recharge tool, ET rasters by stress period

NIR - input to recharge tool, rasters used to compute non-irrigated recharge by stress period

MONTHLY\_PRISM. - monthly PRISM maps

DEPARTURE\_BASED - rasters generated to compute precipitation for the years not covered by PRISM rasters

DataTables - data used to generate the rasters contained in DEPARTURE\_BASED.

Regarding request number 10:

Disc Three (copied from the May, 2004 training session) contains much of this information.

If you have any questions regarding this information, please call.

Sincerely,

A handwritten signature in cursive script, appearing to read "Richard Raymondi".

Richard Raymondi  
Bureau Chief  
Technical Services



ERO Resources Corp.  
3314 Grace Street  
Boise, ID 83703-5836  
(208) 373-7983  
Fax: 373-7985  
Denver • Boise • Durango  
www.eroresources.com  
eroboise@eroresources.com

RECEIVED  
JUL 28 2005  
DEPARTMENT OF  
WATER RESOURCES

July 27, 2005

Mr. Richard Raymondi  
Technical Services Bureau Chief  
Idaho Department of Water Resources  
PO Box 83720  
Boise, ID 83720-0098

Re: Information Request

Dear Rick:

ERO Resources Corp. is requesting information on behalf of the Surface Water Coalition in preparation for the upcoming hearing scheduled for January 30, 2006. Our request is for all information and data relative to the IDWR planning model, which I understand has been updated through 2002, and the water right accounting program used for Water District 01.

For the planning model, please provide all available documentation for the model, the current source code and the current executable of the model itself as well as all of the calibration and operational data set(s) for the current model. Please keep me advised of any changes to this model which might occur prior to January 2006.

For the accounting program, please provide all available documentation for the program itself and for the use of the program in Water District 01. Also, please provide the source code and the executable for the current personal computer version of this program and provide the source code for the Alpha machine version of the program. I understand two data files are needed for the accounting program, the indicator file identifying diversions and the history file of flow data. Please provide these files, and any other files needed to properly run the accounting program, for the past 10 years (1995 – 2004). Please advise whether these data are available beginning in 1978 and if not the first year for which these data are available.

Please provide this information on CD or from your ftp sight, whichever is more convenient. If documentation is available only in hardcopy form, paper copies of the documentation are acceptable.

Mr. Richard Raymondi  
July 27, 2005  
Page 2

Thank you for your attention to this request. Please let me know if you have questions or if there will be delays in providing any of the requested information.

Yours truly,

A handwritten signature in cursive script that reads "Dave".

David B. Shaw

## Raymondi, Rick

---

**From:** Bowling, Jon [JBowling@idahopower.com]  
**Sent:** Tuesday, August 16, 2005 8:51 AM  
**To:** Rick Raymondi (E-mail)  
**Subject:** Well Logs

Rick,

Some of the wells in the data that you sent are wells that were deepened. The IDWR database contained the lithologic log for the deepening but not for the original hole. Is it possible to get the original well logs.

Jon

Jonathon C. Bowling P.E.  
Engineering Leader  
Water Management  
Idaho Power Company  
(208) 388-2905  
Cell (208) 860-9515  
jbowling@idahopower.com

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## Raymondi, Rick

---

**From:** Wylie, Allan  
**Sent:** Wednesday, August 17, 2005 11:10 AM  
**To:** Raymondi, Rick  
**Subject:** RE: Well Logs

Jon

My experience is that the original hole and the deepening should be together. The logs are filed by PLS so if the original does not come up in your search, then, for some reason or another, they do not have the original. Your only option would be to go to the regional office and check there. Although the well log gurus tell me that they have everything on the web, I still find logs out there that they do not have.

Allan

-----Original Message-----

**From:** Raymondi, Rick  
**Sent:** Tuesday, August 16, 2005 9:44 AM  
**To:** 'Bowling, Jon'  
**Cc:** Vincent, Sean; Wylie, Allan  
**Subject:** RE: Well Logs

Jon,

we'll see what information we have on the original logs.

Rick

-----Original Message-----

**From:** Bowling, Jon [mailto:JBowling@idahopower.com]  
**Sent:** Tuesday, August 16, 2005 8:51 AM  
**To:** Rick 'Raymondi' (E-mail)  
**Subject:** Well Logs

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Jon

Jonathon C. Bowling P.E.  
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**Raymondi, Rick**

---

**From:** Chuck Brendecke [cmb@hydrosphere.com]  
**Sent:** Wednesday, August 24, 2005 3:23 PM  
**To:** Raymondi, Rick  
**Subject:** ftp site contents

Rick

There are obviously things on the outgoing ftp site that aren't related to ESPA issues. Do you have a list or directory of the ESPA stuff that's on there? It might save some time because the zip file titles are not always very illuminating.

Chuck

--  
Charles M Brendecke, PhD, PE  
Hydrosphere Resource Consultants  
1002 Walnut, Suite 200  
Boulder, CO 80302  
cmb@hydrosphere.com <http://www.hydrosphere.com>  
303-443-7839 (phone), 303-442-0616 (fax)

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\*\*\*\*\*

**Raymondi, Rick**

---

**From:** Chuck Bredecke [cmb@hydrosphere.com]  
**Sent:** Thursday, August 25, 2005 12:15 PM  
**To:** Raymondi, Rick  
**Cc:** Bryce Contor  
**Subject:** Information Request

Rick

A year or two, back when model development and calibration was still underway, Bryce Contor gave a small presentation on what he termed (if I recall correctly) "influence zones." These were sort of an inverse of response functions, illustrating which pumping areas had the most effect on a particular subreach rather than illustrating which subreaches were affected by pumping in a particular area. At the time I thought this "influence zone" information might be a useful management tool to help target mitigation activities.

I still think this and am interested in knowing if Bryce's work on this was finalized and could be made available, and whether it has been updated to reflect v1.1 of the model.

Chuck

--  
Charles M Bredecke, PhD, PE  
Hydrosphere Resource Consultants  
1002 Walnut, Suite 200  
Boulder, CO 80302  
cmb@hydrosphere.com <http://www.hydrosphere.com>  
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\*\*\*\*\*

## Raymond, Rick

---

**From:** Chuck Brendecke [cmb@hydrosphere.com]  
**Sent:** Thursday, August 25, 2005 1:33 PM  
**To:** Raymond, Rick  
**Subject:** yet another request

Rick

Can you see if the complete 2004 District 1 report is available in electronic form? I have 1990-2003. I'm also interested in knowing which ones prior to 1990 are complete in electronic form. Pam would know all this.

Thanks

Chuck

--

Charles M Brendecke, PhD, PE  
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Boulder, CO 80302  
cmb@hydrosphere.com <http://www.hydrosphere.com>  
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\*\*\*\*\*

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\*\*\*\*\*

## Raymondi, Rick

---

**From:** Raymondi, Rick  
**Sent:** Thursday, August 25, 2005 4:25 PM  
**To:** 'cmb@hydrosphere.com'  
**Cc:** Bryce Contor; Anderson, Hal; Wylie, Allan; Vincent, Sean; Lindgren, John; Donna Cosgrove (E-mail)  
**Subject:** RE: Information Request

Chuck,

I talked to Allan. We don't have versions of this work that could be made available. This would be an informative analysis. Our recommendation is that you could bring this up at the ESPA Hydrologic Modeling Committee meeting next week as an item for discussion and potential future work.

thanks,

Rick

-----Original Message-----

**From:** Chuck Bredecke [mailto:cmb@hydrosphere.com]  
**Sent:** Thursday, August 25, 2005 12:15 PM  
**To:** Raymondi, Rick  
**Cc:** Bryce Contor  
**Subject:** Information Request

Rick

A year or two, back when model development and calibration was still underway, Bryce Contor gave a small presentation on what he termed (if I recall correctly) "influence zones." These were sort of an inverse of response functions, illustrating which pumping areas had the most effect on a particular subreach rather than illustrating which subreaches were affected by pumping in a particular area. At the time I thought this "influence zone" information might be a useful management tool to help target mitigation activities.

I still think this and am interested in knowing if Bryce's work on this was finalized and could be made available, and whether it has been updated to reflect v1.1 of the model.

Chuck

--

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Boulder, CO 80302  
cmb@hydrosphere.com <http://www.hydrosphere.com>  
303-443-7839 (phone), 303-442-0616 (fax)

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\*\*\*\*\*

## Olenichak, Tony

---

**From:** Olenichak, Tony  
**Sent:** Monday, August 29, 2005 11:57 AM  
**To:** 'greg@spronkwater.com'  
**Subject:** Percentage split of Minidoka Canals

Greg,

As I explained to you on the telephone Friday, Minidoka Irrigation District (MID) and Burley Irrigation District (BID) share the water diverted by the two Minidoka Canals. MID uses all the water diverted by the Northside Minidoka Canal (13080000). MID and BID both use water from the Southside Minidoka Canal (13080500). The Bureau of Reclamation notifies Water District #1 at the end of each season the total percentage each irrigation district diverted from the combined amount of the two Minidoka Canals. For the years 1994 thru 2004, the percentages were as follows:

1994	59.6%	(MID)	/	40.4%	(BID)
1995	58.8%	(MID)	/	41.2%	(BID)
1996	59.8%	(MID)	/	40.2%	(BID)
1997	59.1%	(MID)	/	40.9%	(BID)
1998	60.0%	(MID)	/	40.0%	(BID)
1999	58.9%	(MID)	/	41.1%	(BID)
2000	58.8%	(MID)	/	41.2%	(BID)
2001	62.1%	(MID)	/	37.9%	(BID)
2002	60.4%	(MID)	/	39.6%	(BID)
2003	58.6%	(MID)	/	41.4%	(BID)
2004	57.3%	(MID)	/	42.7%	(BID)

For the years 1987 thru 1993, the percentages of BID's diversion from the Southside Minidoka Canal are listed with the understanding that MID diverts 100% of the Northside Minidoka Canal. The percentage diverted from the Southside Minidoka Canal by BID were:

1987	87.88%
1988	85.87%
1989	85.84%
1990	87.88%
1991	87.88%
1992	84.8%
1993	84.5%

Prior to 1987, the percentages aren't listed, however, you can figure them out if you have the annual Watermaster's Report. For example, Table 8 (Diversion between Blackfoot and Milner) in the 1986 Watermasters Report lists the individual amounts diverted by both MID and BID. The amounts diverted by the Northside and the Southside Minidoka Canals are listed in the Appendix A-324 and A-325.

Tony

## Raymondi, Rick

---

**From:** Bowling, Jon [JBowling@idahopower.com]  
**Sent:** Tuesday, September 06, 2005 12:51 PM  
**To:** Rick Raymondi (E-mail)  
**Cc:** Allan Wylie (E-mail)  
**Subject:** PEST Data Request

Rick,

I have another data request. Please provide to me:

1) All the programs, input data files and scripts used to calibrate the model. These would include, for example,

PEST Template, Instruction and Control Files;

Control files, data files, programs and batch files used in the calibration process, e.g. fac2real or equivalent used to grid pilot point data, batch files used to make model runs inside PEST, programs used to extract heads and flows from MODFLOW, etc.

Files and programs used to create the above-mentioned files. In particular, programs and files used to create the PEST files containing observations.

In short, I would like the ability to repeat the calibration process using PEST, including generation of the observations.

and;

2) Source code for any programs not generally available. The source code for PEST and MODFLOW-2000 is generally available. If, however, MODFLOW was modified to write additional output which can be extracted by PEST or some similar modification was made to facilitate calibration, I would like the source code also. For other FORTRAN or similar programs that cannot be downloaded from the internet in exactly the form that it was used, I would like to have the source code to those programs.

Thanks,

Jonathon C. Bowling P.E.  
Engineering Leader  
Water Management  
Idaho Power Company  
(208) 388-2905  
Cell (208) 860-9515  
jbowling@idahopower.com

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## Raymondi, Rick

---

**From:** Vincent, Sean  
**Sent:** Tuesday, September 06, 2005 4:00 PM  
**To:** 'jbowling@idahopower.com'  
**Cc:** Raymondi, Rick; Anderson, Hal; Lindgren, John; Wylie, Allan  
**Subject:** RE: PEST Data Request

John,  
Allan Wylie compiled the requested information and placed it on our ftp site in a zip file. The files within the zip file are for use with PEST version 8.3 in SVD Assist mode and MODFLOW 2000 version 1.10. The name of the zip file is:

ver1\_1\_calibration\_files.zip

Please refer to the readme.txt file for further description of the zip file contents. Take care.

Sean

-----Original Message-----

**From:** Raymondi, Rick  
**Sent:** Tuesday, September 06, 2005 1:08 PM  
**To:** Vincent, Sean; Anderson, Hal; Lindgren, John  
**Subject:** FW: PEST Data Request

from John Bowling

-----Original Message-----

**From:** Bowling, Jon [mailto:JBowling@idahopower.com]  
**Sent:** Tuesday, September 06, 2005 12:51 PM  
**To:** Rick Raymondi (E-mail)  
**Cc:** Allan Wylie (E-mail)  
**Subject:** PEST Data Request

Rick,

I have another data request. Please provide to me:

1) All the programs, input data files and scripts used to calibrate the model. These would include, for example,

PEST Template, Instruction and Control Files;

Control files, data files, programs and batch files used in the calibration process, e.g. fac2real or equivalent used to grid pilot point data, batch files used to make model runs inside PEST, programs used to extract heads and flows from MODFLOW, etc.

Files and programs used to create the above-mentioned files. In particular, programs and files used to create the PEST files containing observations.

In short, I would like the ability to repeat the calibration process using PEST, including generation of the observations.

and;

2) Source code for any programs not generally available. The source code for PEST and MODFLOW-2000 is generally available. If, however, MODFLOW

was modified to write additional output which can be extracted by PEST or some similar modification was made to facilitate calibration, I would like the source code also. For other FORTRAN or similar programs that cannot be downloaded from the internet in exactly the form that it was used, I would like to have the source code to those programs.

Thanks,

Jonathon C. Bowling P.E.  
Engineering Leader  
Water Management  
Idaho Power Company  
(208) 388-2905  
Cell (208) 860-9515  
jbowling@idahopower.com

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**Raymondi, Rick**

---

**From:** Chuck Brendecke [cmb@hydrosphere.com]  
**Sent:** Thursday, September 08, 2005 1:30 PM  
**To:** Raymondi, Rick  
**Cc:** Olenichak, Tony  
**Subject:** Watermaster Reports

Rick

We have full electronic versions of the District 1 Watermaster Reports for 1987, 1988, 1990-2003. We'd like to get them for 1980-86, 1989, and 2004. I don't know if all these are scanned in yet.

To the degree these years aren't scanned in yet, we'd like at least to get the complete Stored Water Accounts tables (all reaches) for those years.

Can you see what you can do to get us these?

thanks

Chuck

--  
Charles M Brendecke, PhD, PE  
Hydrosphere Resource Consultants  
1002 Walnut, Suite 200  
Boulder, CO 80302  
cmb@hydrosphere.com <http://www.hydrosphere.com>  
303-443-7839 (phone), 303-442-0616 (fax)

\*\*\*\*\*  
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\*\*\*\*\*

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Tuesday, September 13, 2005 7:41 AM  
**To:** 'Chuck Bredecke'; 'tlz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 29 1980

I'm going to send these in small increments.



1980 Tables 21  
29.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Tuesday, September 13, 2005 7:43 AM  
**To:** 'Chuck Brendecke'; 'tjz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 29 1981



1981 Table 21  
29.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Tuesday, September 13, 2005 7:44 AM  
**To:** 'Chuck Brendecke'; 'tlz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 29 1982



1982 Table 21  
29.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Tuesday, September 13, 2005 7:45 AM  
**To:** 'Chuck Brendecke'; 'tlz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 29 1983



1983 Table 20  
30.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Tuesday, September 13, 2005 7:57 AM  
**To:** 'Chuck Brendecke'; 'tjz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 29 1985

 1985 Table 21 pg2.tif	 1985 Table 21.tif	 1985 Table 22 pg 2.tif	 1985 Table 22.tif	 1985 Table 23.tif	 1985 Table 24 pg 2.tif	 1985 Table 24.tif	 1985 Table 25.tif	 1985 Table 26.tif
 1985 Table 27.tif	 1985 Table 28.tif	 1985 Table 29.tif						

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Tuesday, September 13, 2005 7:58 AM  
**To:** 'Chuck Brendecke'; 'tlz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 29 1986



1986 Table 21  
29.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Tuesday, September 13, 2005 7:58 AM  
**To:** 'Chuck Brendecke'; 'tlz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 29 1989



1989 Table 21  
29.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Wednesday, September 14, 2005 2:16 PM  
**To:** 'Chuck Bredecke'; 'tlz@hydrosphere.com'  
**Subject:** WD1 Tables 19 through 28 2001



2001 Table 19  
29.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Wednesday, September 14, 2005 2:18 PM  
**To:** 'Chuck Brendecke'; 'tjz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 27 2002



2002 Table 19  
27.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

## Raymondi, Rick

---

**From:** Murphy, Wendy  
**Sent:** Wednesday, September 14, 2005 2:19 PM  
**To:** 'Chuck Brendecke'; 'tlz@hydrosphere.com'  
**Subject:** WD1 Tables 21 through 27 2003



2003 Table 19  
28.tif

Wendy Murphy  
Water District 1  
Idaho Department of Water Resources  
900 N. Skyline Dr., Ste. A  
Idaho Falls, ID 83402  
Telephone: 208-525-7171  
Fax: 208-525-7177  
Email: [wmurphy@idwr.state.id.us](mailto:wmurphy@idwr.state.id.us)  
Web page: [www.waterdistrict1.com](http://www.waterdistrict1.com)  
<http://www.idwr.state.id.us/water/districts/dist01/default.htm>

**Raymondi, Rick**

---

**From:** Murphy, Wendy  
**Sent:** Wednesday, September 14, 2005 2:19 PM  
**To:** 'cmb@hydrosphere.com'  
**Subject:** RE: WD1 Tables 21 through 29 1980

I do not have the 2004 as of yet.

Wendy

-----Original Message-----

From: Chuck Brendecke [mailto:cmb@hydrosphere.com]  
Sent: Wednesday, September 14, 2005 1:44 PM  
To: Murphy, Wendy  
Subject: Re: WD1 Tables 21 through 29 1980

Wendy

The files for 1980-89 got here fine. Are you going to be able to send the same tables for 2001-2004? I have only the Blackfoot-Milner tables for those years.

Thanks a lot.

Chuck

Murphy, Wendy wrote:

>I'm going to send these in small increments.  
>  
> <<1980 Tables 21 29.tif>>  
>  
>Wendy Murphy  
>Water District 1  
>Idaho Department of Water Resources  
>900 N. Skyline Dr., Ste. A  
>Idaho Falls, ID 83402  
>Telephone: 208-525-7171  
>Fax: 208-525-7177  
>Email: wmurphy@idwr.state.id.us  
>Web page: www.waterdistrict1.com  
><http://www.idwr.state.id.us/water/districts/dist01/default.htm>  
>  
>

--  
Charles M Brendecke, PhD, PE  
Hydrosphere Resource Consultants  
1002 Walnut, Suite 200  
Boulder, CO 80302  
cmb@hydrosphere.com <http://www.hydrosphere.com>  
303-443-7839 (phone), 303-442-0616 (fax)

\*\*\*\*\*

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\*\*\*\*\*

**Raymondi, Rick**

---

**From:** Kelly Close [kkc@hydrosphere.com]  
**Sent:** Tuesday, September 20, 2005 1:10 PM  
**To:** Raymondi, Rick  
**Cc:** bcontor@if.uidaho.edu  
**Subject:** RE: Recharge Tool Workshop

Rick,

So it turns out I will not be able to fly up for this workshop, which is disappointing since although I've been trying to design a lot of my analysis after the methods this recharge tool employs, I haven't unlocked a couple of its black boxes, or been formally been introduced to the tool (or to it's developers!) and this would have been a good opportunity to understand it better.

Chuck mentioned that he was at one time able to use Net Meeting from here in our office to view live a powerpoint presentation being given up there at the Water Center. Then he was then able to listen in via speakerphone and even ask a question if he had one. Will this workshop tomorrow be power point based, and if so, do you think there is a way for me to tap in remotely like that?

Thanks,

~Kelly

On 19 Sep 2005 at 15:22, Raymondi, Rick wrote:

> thanks Kelly, sorry about it being last minute  
>  
> -----Original Message-----  
> From: Kelly Close [mailto:kkc@hydrosphere.com]  
> Sent: Monday, September 19, 2005 3:07 PM  
> To: rick.raymondi@idwr.idaho.gov  
> Subject: Recharge Tool Workshop  
>  
>  
> Rick,  
>  
> I am hoping to be able to attend the training. The decision has  
been  
> very last minute (just learned about it last Thursday) and so travel  
> is expensive, therefore the powers that be are still considering. I'll  
> let you know as soon as I do if it's been decided that I can be  
there.  
>  
> Thanks!  
>  
> ~Kelly

#####  
K. Kelly Close  
Environmental Planner  
kkc@hydrosphere.com

Hydrosphere Resource Consultants, Inc.  
1002 Walnut, Ste. 200  
Boulder, CO 80302  
office: 303-443-7839 fax: 442-0616  
HTTP://WWW.HYDROSPHERE.COM

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

## Raymond, Rick

---

**From:** Burrell, Steve  
**Sent:** Friday, October 07, 2005 5:33 PM  
**To:** 'dshaw@erresources.com'  
**Cc:** Raymond, Rick  
**Subject:** Snake Accounting

Dave,  
The pre- and post-processor .com and .for files are here:

[ftp://ftp.state.id.us/IDWR/Outgoing/SWCoalition/SNK\\_FOR\\_COM\\_PP.zip](ftp://ftp.state.id.us/IDWR/Outgoing/SWCoalition/SNK_FOR_COM_PP.zip)

SNKWRA.COM is the main command file used to run the accounting and selects the data for the time period specified. Looking in it will show what .for programs are needed, and logical names that need to be changed. I presume you have the snk\*.ttl, and snkwra.dpl files already, if not, let me know. SNKDENT.COM AND SNKCHGREC.COM are used for data entry, and shouldn't be necessary, but I included them with the corresponding .for and .com files anyway. Please call if anything is missing. I will only be in Tuesday and Friday next week.

Steve Burrell  
Hydrologist  
208-287-4957  
208-287-6700 fax

## Raymondi, Rick

---

**From:** Raymondi, Rick  
**Sent:** Friday, October 07, 2005 5:45 PM  
**To:** Adam DeVoe (E-mail); Carlson, Ron; James Lochhead (E-mail); James Tucker (E-mail); Jeff Fereday (E-mail); John Rosholt (E-mail); John Simpson (E-mail); Josephine Beeman (E-mail); Kathleen Carr (E-mail); Kent Fletcher (E-mail); Matt Howard (E-mail); Merritt, Allen; Michael Gilmore (E-mail); Mike Creamer (E-mail); Roger Ling (E-mail); Rounds, Lewis; Sarah Klahn (E-mail); Scott L. Campbell (E-mail); Terry Uhling (E-mail); Tom Arkoosh (E-mail); Travis Thompson (E-mail); Yenter, Cindy (Hodges); Allan Wylie; Anderson, Hal; Bryan Kenworthy; Bryce Contor (E-mail); Christian Petrich (E-mail); Chuck Brendecke (E-mail); Chuck Brockway; Donna Cosgrove (E-mail); Dreher, Karl; Gary Johnson (E-mail); Greg Sullivan (E-mail); Jack Harrison (E-mail); Jim Bartolino (E-mail); John Koreny (E-mail); Jon Gould; Karl Tarbet; Kathy Peter (E-mail); Lindgren, John; P. E. Jonathon C. Bowling (E-mail); Paul Rauch; RD Schmidt (E-mail); Rick Allen (E-mail); Steve Lipscomb (E-mail); Tim Miller; Vincent, Sean  
**Subject:** IDWR posting on the ftp site

The IDWR has posted pre- and post-processor .com and .for files used to run the Water Rights Accounting model on the ftp site in the following file:

SNK\_FOR\_COM\_PP.zip



Rick Raymondi  
(E-mail).vcf

## Raymond, Rick

---

**From:** Burrell, Steve  
**Sent:** Wednesday, October 12, 2005 3:33 PM  
**To:** Raymond, Rick

Rick, this file was added yesterday to the ftp site for Dave Shaw:  
ADD\_SNK\_FOR\_COM\_PP.zip

-sb

## Raymondi, Rick

---

**From:** Raymondi, Rick  
**Sent:** Thursday, October 13, 2005 11:31 AM  
**To:** 'Chuck Bredecke'  
**Subject:** RE: email notices

I will Chuck.

-----Original Message-----

From: Chuck Bredecke [mailto:cmb@hydrosphere.com]  
Sent: Thursday, October 13, 2005 11:09 AM  
To: Rick.Raymondi@idwr.idaho.gov  
Cc: K. Kelly Close  
Subject: email notices

Rick

I am on the road a lot lately doing depositions, etc. In order to make sure we are receiving and acting upon your notices of ftp postings in a timely way, could you please add Kelly Close's email address to your mailing list? She is our GIS/database guru and is helping me with all this Idaho stuff.

kkc@hydrosphere.com

Thanks

Chuck

**Luke, Tim**

---

**From:** Norm Young [nyoung@erresources.com]  
**Sent:** Thursday, October 13, 2005 4:14 PM  
**To:** tluke@idwr.state.id.us  
**Cc:** David Shaw  
**Subject:** Request for information on Ground water districts

Tim:

Relative to ERO's role as a consultant for the Surface Water Coalition in its call for water delivery, I would like to receive copies (either paper or electronic) of the following documents from IDWR's files:

A. The petition for creation of each of the following ground water districts and the list of water rights identified as being within the proposed boundaries of each of the districts:

- 1) Aberdeen-American Falls Ground Water District
- 2) Bingham Ground Water District
- 3) Bonneville-Jefferson Ground Water District
- 4) Madison Ground Water District
- 5) Magic Valley Ground Water District
- 6) North Snake Ground Water District.

B. The petition seeking creation of the Southwest Irrigation District and if available in IDWR's file, a list of the water rights included within the proposed irrigation district.

C. Information concerning the volume of water diverted each year since establishment of the district within each of the above entities as reported to or determined by the relevant water measurement district or water district or IDWR.

Thank you for your assistance. If there is a copying charge, please let me know. If I am not available, please contact David Shaw. Phone 208-373-7983 for ERO-Boise. Address: 3314 Grace Street, Boise, Idaho 83703-5836

Norm Young

## Raymondi, Rick

---

**From:** Raymondi, Rick  
**Sent:** Monday, October 17, 2005 10:52 AM  
**To:** Adam DeVoe (E-mail); Carlson, Ron; James Lochhead (E-mail); James Tucker (E-mail); Jeff Fereday (E-mail); John Rosholt (E-mail); John Simpson (E-mail); Josephine Beeman (E-mail); Kathleen Carr (E-mail); Kent Fletcher (E-mail); Matt Howard (E-mail); Merritt, Allen; Michael Gilmore (E-mail); Mike Creamer (E-mail); Roger Ling (E-mail); Rounds, Lewis; Sarah Klahn (E-mail); Scott L. Campbell (E-mail); Terry Uhling (E-mail); Tom Arkoosh (E-mail); Travis Thompson (E-mail); Yenter, Cindy (Hodges); Allan Wylie; Anderson, Hal; Bryan Kenworthy; Bryce Contor (E-mail); Christian Petrich (E-mail); Chuck Brendecke (E-mail); Chuck Brockway; Donna Cosgrove (E-mail); Dreher, Karl; Gary Johnson (E-mail); Greg Sullivan (E-mail); Jack Harrison (E-mail); Jim Bartolino (E-mail); John Koreny (E-mail); Jon Gould; Karen Wogsland (E-mail); Karl Tarbet; Kathy Peter (E-mail); Lindgren, John; P. E. Jonathon C. Bowling (E-mail); Paul Rauch; RD Schmidt (E-mail); Rick Allen (E-mail); Steve Lipscomb (E-mail); Tim Miller; Vincent, Sean  
**Cc:** 'kkc@hydrosphere.com'; 'kshaw@hdrinc.com'  
**Subject:** FW: ftp posting

Please note the new posting of information related to the Water Rights Accounting Model.

-----Original Message-----

**From:** Vincent, Sean  
**Sent:** Monday, October 17, 2005 10:46 AM  
**To:** Raymondi, Rick  
**Subject:** ftp posting

Rick,  
I posted the file SNAKSTO05.rpt;11 on the IDWR ftp site. This water accounting model output file was used for development of the Supplemental Order Amending Replacement Water Requirements dated July 22, 2005.

Sean  
208-287-4853