



Colorado Drought & Water Supply Assessment

Q.1 First, please tell me which of the following best describes your organization:

County Government	1
Federal Agency	2
Irrigation/ Ditch or Reservoir.....	3
Municipal Water District, Utility, Dept, or Company ...	4
Private Water Company	5
State Agency	6
Special (Water) District	7
Water Conservancy District	8
Water Conservation District	9
Other (e.g., Tribe, HOA, or > 1 category!)	0

Q2a. [AG ONLY] As you know, we've recently sent a postcard which requests numbers for average yearly water use or delivery. We realize that you're an agricultural entity, so before proceeding to those questions, we'd like to know if those are applicable questions or if we could instead look to information regarding your structures.

Q2b. [AG ONLY, if Q2a=Structures] What are your structures?

Q.2c. Approximately, what is your **average yearly** water use or delivery including raw water & treated water, as well as minimum stream flows or reserved water rights?
ENTER NUMBERS ONLY.

Q.3 What are the units typically used for this measurement:

1) Volume or acre-feet, 2) Flow or CFS (second feet or feet), 3) Gallons or 4) by Cubic Feet?

Volume or Acre Feet	1
Flow or CFS (second feet or feet) ..	2
Gallons	3
Cubic Feet	4

Q.4 ***If you have your postcard in front of you, you may refer to it for the following questions:***

Please, tell me the amount of total water use, including treated, raw, & delivered water, for each of the following years, beginning with 2002 and working backwards.

Q.5 For the year 2002 -- (What was the approximate amount of water use or delivery?)
(ENTER NUMBERS ONLY.)

Q.6 Is that by Volume (acre feet) or Flow or CFS (second feet or feet) or Gallons or Cubic Feet?

Volume (acre feet) 1
Flow (CFS) (second feet or feet) .. 2
Gallons 3
Cubic Feet 4

Q.7 For the year 2001 -- (What was the approximate amount of water use or delivery?)
(ENTER NUMBERS ONLY.)

Q.8 Is that by Volume (acre feet) or Flow or CFS (second feet or feet) or Gallons or Cubic Feet?

Volume (acre feet) 1
Flow (CFS) (second feet or feet) .. 2
Gallons 3
Cubic Feet 4

Q.9 For the year 2000 -- (What was the approximate amount of water use or delivery?)
(ENTER NUMBERS ONLY.)

Q.10 Is that by Volume (acre feet) or Flow or CFS (second feet or feet) or Gallons or Cubic Feet?

Volume (acre feet) 1
Flow (CFS) (second feet or feet) .. 2
Gallons 3
Cubic Feet 4

Q.11 For the year 1999 -- (What was the approximate amount of water use or delivery?)
(ENTER NUMBERS ONLY.)

Q.12 Is that by Volume (acre feet) or Flow or CFS (second feet or feet) or Gallons or Cubic Feet?

Volume (acre feet) 1
Flow (CFS) (second feet or feet) .. 2
Gallons 3
Cubic Feet 4

Q.13 For the year 1998 -- (What was the approximate amount of water use or delivery?)
(ENTER NUMBERS ONLY.)

Q.14 Is that by Volume (acre feet) or Flow or CFS (second feet or feet) or Gallons or Cubic Feet?

Volume (acre feet) 1
Flow (CFS) (second feet or feet) .. 2
Gallons 3
Cubic Feet 4

Q.15 For the year 1977 -- (What was the approximate amount of water use or delivery?)
(ENTER NUMBERS ONLY.)

Q.16 Is that by Volume (acre feet) or Flow or CFS (second feet or feet) or Gallons or Cubic Feet?

Volume (acre feet) 1
Flow (CFS) (second feet or feet) .. 2
Gallons 3
Cubic Feet 4

Q.17 In an average year, what is the approximate percentage of water you receive from the following sources, such that the percentage adds up to 100%?

[ANSWER MUST TOTAL 100]

In Basin Surface Water
Transbasin Surface Water
Groundwater
Reused Water (water from waste water treatment that's used) ..

Q.18 In an average year, please tell me your primary water uses by approximate percentage such that the sum totals 100%.

For example, if your primary water uses were Irrigation & municipal, then I'd need to know if irrigation demanded 80% & municipal 20%, or if they were 50/50, etc.? Were essentially asking for a profile of your entire water resources. In other words, what's your water use & how much of each category is used?

[ANSWER MUST TOTAL 100]

Environmental/Instream Flow %
Fire Protection %
Industrial / Commercial %
Irrigation %
Municipal (Multi-use/Multifamily) % ..
Recreational %
Stock Water %
Other %

Single-family Residential _____

Q.19 IF YOU CHOSE "OTHER" ABOVE IN Q.18, PLEASE RECORD THAT USE HERE:

Q.20 What percent of your water is consumptively used in an average year?

(FYI-This is water lost from the system.)

PERCENT OF WATER USED FOR CONSUMPTIVE USE/WATER LOST .. _____

Q.21 Looking to 2010, would you predict that the demand for water for you &/or your users will increase, decrease, or remain about the same?

Increase 1

Decrease2

Stay about the same ..3

[IF THE ANSWER TO QUESTION 21 IS 3, THEN SKIP TO Q.23]

Q.22 What would you estimate the percentage [increase/decrease] in demand to be?

1-10% 1

11-20% 2

21-30% 3

31-40% 4

41-50% 5

51-60% 6

61-70% 7

71-80% 8

81-90% 9

91%-100%10

100-150%11

151-200%12

200% or greater .. 13

Don't know 14

Q.23 Does you water system have storage capacity?

Yes .. 1

No ... 2

[IF THE ANSWER IS 2, THEN SKIP TO Q.31]

Q.24 What is the total **typical** volume, **in acre-feet**, of storage capacity in your system?

(NEED TYPICAL) (If you can only answer in gallons, please make a note of that.)

Q.25 ***Again, if you have your postcard handy, please refer to data that you may have retrieved for the following questions.***

Now, we need the approximate amount of total water in storage, measured as a percentage of total storage, on the dates of April 15 (before spring), July 1st (after spring), and November 1st (after use).

Let's begin with year 2002: What was your total volume of storage on April 15?

(ENTER NUMBERS ONLY. IF NONE, ENTER ZERO.)

THESE #'S DO NOT SUM TO 100%. EACH QUESTION HAS A UNIQUE ANSWER.

% of Total Volume in Storage April 15th/Before Spring: 2002 .. _____
% on July 1st/After Spring: 2002 _____
% on Nov 1st/After Use: 2002 _____

Q.26 Now, let's turn to year 2001.

(ENTER NUMBERS ONLY. IF NONE, ENTER ZERO.)

THESE #'S DO NOT SUM TO 100%. EACH QUESTION HAS A UNIQUE ANSWER.

% of Total Volume in Storage April 15th/Before Spring: 2001 .. _____
% on July 1st/After Spring: 2001 _____
% on Nov 1st/After Use: 2001 _____

Q.27 Now, let's look at 2000.

(ENTER NUMBERS ONLY. IF NONE, ENTER ZERO.)

% of Total Volume in Storage April 15th/Before Spring: 2000 .. _____
% on July 1st/After Spring: 2000 _____
% on Nov 1st/After Use: 2000 _____

Q.28 Now, year 1999.

(ENTER NUMBERS ONLY. IF NONE, ENTER ZERO.)

Amt of Total Volume in Storage April 15th/Before Spring: 1999 .. _____
% on July 1st/After Spring: 1999 _____
% on Nov 1st/After Use: 1999 _____

Q.29 Now, year 1998.

(ENTER NUMBERS ONLY. IF NONE, ENTER ZERO.)

Amt of Total Volume in Storage April 15th/Before Spring: 1998 .. _____
 % on July 1st/After Spring: 1998 _____
 % on Nov 1st/After Use: 1998 _____

Q.30 Finally, going back to year 1977.

(ENTER NUMBERS ONLY. IF NONE, ENTER ZERO.)

Amt of Total Volume in Storage April 15th/Before Spring: 1977 .. _____
 % on July 1st/After Spring: 1977 _____
 % on Nov 1st/After Use: 1977 _____

Q.31 What is the approximate population you serve?

Under 2001
 200-499 2
 500-999 3
 1,000-2,999 4
 3,000-9,999 5
 10,000-100,000 .. 6
 Over 100,0007
 Not applicable 8

Q.32 What is the approximate number of acres irrigated excluding residential?

Under 160 acres (less than 1/4 square mile)1
 160-640 acres (1/4 up to 1 square mile)2
 640-3,200 acres (1 up to 5 square miles)3
 3,200-6,400 acres (5 up to 10 square miles)4
 6,400-64,000 acres (10 to 100 square miles)5
 Greater than 64,000 acres (more than 100 sq miles) .. 6
 Not applicable7

Q.33 Now, I'm going to read a list of several possible limitations to your current water supply.
 First, please tell me which items are limitations by answering yes or no.

Q.34 Availability of In-basin Water Rights
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 34 IS 2, THEN SKIP TO QUESTION 36]

Q.35 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1

22
 33
 44
 5= extremely limiting ..5

Q.36 Availability of Storage
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 36 IS 2, THEN SKIP TO QUESTION 38]

Q.37 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting 1
 22
 33
 44
 5= extremely limiting .. 5

Q.38 Availability of Trans-Basin Water Rights
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 38 IS 2, THEN SKIP TO QUESTION 40]

Q.39 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
 22
 33
 44
 5= extremely limiting ..5

Q.40 Availability of Augmentation Water
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 40 IS 2, THEN SKIP TO QUESTION 42]

Q.41 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.42 Availability of Groundwater Recharge
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 42 IS 2, THEN SKIP TO QUESTION 44]

Q.43 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.44 Clean Water Act Overall
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 44 IS 2, THEN SKIP TO QUESTION 46]

Q.45 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.46 CWCB Instream Flows?
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 46 IS 2, THEN SKIP TO QUESTION 48]

Q.47 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
 22
 33
 44
 5= extremely limiting ..5

Q.48 Diversion structures
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 48 IS 2, THEN SKIP TO QUESTION 52]

Q.49 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting 1
 22
 33
 44
 5= extremely limiting ..5

Q.50 Intentionally left blank
 Q.51 Intentionally left blank

Q.52 Endangered Species Act
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 52 IS 2, THEN SKIP TO QUESTION 54]

Q.53 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
 22
 33
 44
 5= extremely limiting ..5

Q.54 Federal Land Management
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 54 IS 2, THEN SKIP TO QUESTION 56]

Q.55 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1

22
33
44
5= extremely limiting ..5

Q.56 Federal Special Use Permitting, By-Pass Flows, or Reserved Water Rights
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 56 IS 2, THEN SKIP TO QUESTION 58]

Q.57 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.58 Need for New or Upgraded Raw Water Treatment Infrastructure
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 58 IS 2, THEN SKIP TO QUESTION 60]

Q.59 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.60 Federal environmental permitting requirements
(e.g. NEPA--National Environmental Policy Act)
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 60 IS 2, THEN SKIP TO QUESTION 62]

Q.61 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1

22
 33
 44
 5= extremely limiting ..5

Q.62 Pressure of Development on Agricultural Land Water Rights
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 62 IS 2, THEN SKIP TO QUESTION 64]

Q.63 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
 22
 33
 44
 5= extremely limiting ..5

Q.64 Reliability of Production Wells
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 64 IS 2, THEN SKIP TO QUESTION 66]

Q.65 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
 22
 33
 44
 5= extremely limiting ..5

Q.66 Reliability of Existing In-basin Water Rights
 (Is this a limitation?)

Yes1
 No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 66 IS 2, THEN SKIP TO QUESTION 68]

Q.67 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
 22

33
44
5= extremely limiting ..5

Q.68 Reliability of Existing Trans-Basin Water Rights
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 68 IS 2, THEN SKIP TO QUESTION 70]

Q.69 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.70 Restrictions on Use of Existing Storage (dam safety, by way of example)
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 70 IS 2, THEN SKIP TO QUESTION 72]

Q.71 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.72 Section 404 Permits (US Army Corp of Engineers permit required for any disturbances in wetlands or waterways)? (Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 72 IS 2, THEN SKIP TO QUESTION 74]

Q.73 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.74 Water Quality (Surface/Groundwater)?
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 74 IS 2, THEN SKIP TO QUESTION 76]

Q.75 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.76 US Fish & Wildlife Service Flow Recommendations?
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 76 IS 2, THEN SKIP TO QUESTION 78]

Q.77 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.78 Water Transmission System / Conveyance facilities (e.g., ditches, pipes, etc.)
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 78 IS 2, THEN SKIP TO QUESTION 80]

Q.79 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.80 Water Distribution System Losses (Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 80 IS 2, THEN SKIP TO QUESTION 82]

Q.81 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.82 Public Expectation for Instream Water Use (Environmental, Recreational, Aesthetic)
(Is this a limitation?)

Yes1
No / Doesn't Apply ..2

[IF THE ANSWER TO QUESTION 82 IS 2, THEN SKIP TO QUESTION 84]

Q.83 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.84 Is there some other important limitation that I didn't mention?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 84 IS 2, THEN SKIP TO QUESTION 86]

Q.85 RECORD OTHER IMPORTANT LIMITATION

Q.86 Please rate that limitation, with 1 being slightly limiting & 5 being extremely limiting.

1= slightly limiting1
22
33
44
5= extremely limiting ..5

Q.87 Which one of the limitations we've just discussed has the greatest impact on your current water supply? **CHOOSE UP TO THREE.**

Availability of In-basin Water Rights	1
Availability of Storage	2
Availability of Trans-Basin Water Rights	3
Available Augmentation Water	4
Clean Water Act	5
CWCB Instream Flows	6
Diversion Structure(s)	7
Emergency Water Supplies	8
Endangered Species Act	9
Fed Environmental Permitting Reqs (e.g., NEPA).....	10
Federal Land Management	11
Fed. Special Use Permitting/By Pass Flows/Resv'd Water Rights ..	12
Need for New or Upgraded Raw Water Treatment Infrastructure ..	13
Pressure of Development on Agricultural Land H2O Rights	14
Production Wells	15
Public Expectation for Water Use(Enviro, Recr, Aesthetic	16
Raw Water Treatment Infrastructure	17
Reliability of Existing In-basin Water Rights	18
Reliability of Existing Transbasin Water Rights	19
Requirement for Groundwater Recharge	20
Restrictions on Use of Existing Storage	21
Section 404 Permits	22
US Fish & Wildlife Service Flow Recommendations	23
Water Distribution System Losses	24
Water Quality (Surface/Ground)	25
Water Transmission System/ Conveyance Facilities	26
OTHER--SOMETHING NOT LISTED!!	27

[AVOID Q88, UNLESS Q 87 IS 27]

Q.88 OTHER LIMITATION THAT HAS THE GREATEST IMPACT

Q.89 Now, we'd like to turn your attention to water management tools by focusing on three items: Your water supply plan, your drought plan, and your conservation plan.

First, do you have a Water Supply Master Plan in place, that is a plan in place for development of future water supply needs?

Yes .. 1
No ... 2

[IF THE ANSWER IS 1, THEN SKIP TO QUESTION 91]

Q.90 **Do you have one planned for the future? (FYI THIS INCLUDES "working on one")**

Yes .. 1
No ... 2

[IF THE ANSWER IS 2, THEN SKIP TO QUESTION 92]

Q.91 How effective is this plan in managing the drought, using the 5-point scale, where 1 is not at all effective and 5 is extremely effective?

1 = not at all effective1
22
33
44
5 = extremely effective ..5

Q.92 Do you have a Drought Management Plan in place?

Yes .. 1
No ... 2

[IF THE ANSWER IS 2, THEN SKIP TO QUESTION 94]

Q.93 Did you have one in place prior to this year?

Yes .. 1
No ... 2

Q.94 Do you have one planned for the future?

Yes .. 1
No ... 2

Q.95 Please tell me which of the following components you currently utilize in managing drought? Please answer yes or no to each one.

Q.96 Defined communications external to organization related to drought, such as a formal response or release of information to an external entity (e.g., news release)

Yes1
No2
Don't know .. 3

Q.97 Defined communications internal to organization related to drought (formal release of information to internal entity -- e.g., memo to mayor)

Yes1
No2
Don't know .. 3

Q.98 Identification of Different Levels of Responses

Yes1
No2
Don't know .. 3

Q.99 Identified & Measurable Triggers for Action

Yes1
No2
Don't know .. 3

Q.100 Monitoring Water Quality

Yes1
No2
Don't know .. 3

Q.101 Monitoring Water Supply Components (e.g., snowpack, stream flow, etc.)

Yes1
No2
Don't know .. 3

Q.102 Procedures for Declaring Emergencies

Yes1
No2
Don't know .. 3

Q.103 Is there another component that I didn't mention (that you utilize to manage drought?)

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 103 IS 2, THEN SKIP TO QUESTION 105]

Q.104 RECORD ANSWER

Q.105 Please tell me which of the following tools you currently utilize in managing drought.
Again, you may simply answer yes or no to each item.

Q.106 Aquifer storage & recovery/conjunctive use

Yes .. 1
No ... 2

Q.107 Cloud seeding

Yes .. 1
No ... 2

Q.108 Controls on new construction

Yes .. 1
No ... 2

Q.109 Emergency water supply agreements

Yes .. 1
No ... 2

Q.110	Fines for water users (e.g., Increased costs/sliding scale for water use)	Yes .. 1 No ... 2
Q.111	Substitute supply plans	Yes .. 1 No ... 2
Q.112	Interruptible water supply agreements	Yes .. 1 No ... 2
Q.113	Landscaping controls / Xeriscape, amt of planting allowed	Yes .. 1 No ... 2
Q.114	Lawn and garden water restrictions	Yes .. 1 No ... 2
Q.115	Operations/Cooperative agreements	Yes .. 1 No ... 2
Q.116	Public education and involvement programs	Yes .. 1 No ... 2
Q.117	Pump groundwater	Yes .. 1 No ... 2
Q.118	Water banking	Yes .. 1 No ... 2
Q.119	Water conservation programs	Yes .. 1 No ... 2
Q.120	Dual Water System for Irrigation	Yes .. 1 No ... 2

Q.121 Is there any other tool that I haven't mentioned?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 121 IS 2, THEN SKIP TO QUESTION 123]

Q.122 What tool?

Q.123 And which of the tools that I've just mentioned have you found to be best in managing drought? UP TO THREE CHOICES ARE ACCEPTABLE

Aquifer storage and recovery/ conjunctive use	1
Cloud seeding	2
Controls on new construction	3
Dual Water System for Irrigation	4
Emergency water supply agreements	5
Fines for water users (Increased costs/sliding scale	6
Interruptible water supply agreements	7
Landscaping controls/Xeriscape /amount of planting allowed ..	8
Lawn and garden water restrictions	9
Operations/Cooperative agreements	10
Public education/involvement programs	11
Pump groundwater	12
Substitute Supply Plans	13
Water banking	14
Water conservation programs	15
OTHER tool not listed	16

[IF THE ANSWER TO QUESTION 123 IS 1-15, THEN SKIP TO QUESTION 125]

Q.124 OTHER BEST TOOL

Q.125 Do you have a water conservation plan in place?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 125 IS 2, THEN SKIP TO QUESTION 127]

Q.126 Did you have one in place prior to this year?

Yes .. 1
No ... 2

Q.127 Do you have one planned for the future?

Yes .. 1
No ... 2

Q.128 Which tools/programs do you *currently* utilize to conserve water?

	Yes	No
Alternative irrigation practices	1	2
Automated canal structures	1	2
Distribution/conveyance system leak detection	1	2
Dry land farming	1	2
Land use covenants	1	2
Lining of piping, ditches or canals	1	2
Metering	1	2
New subdivision platting and covenant requirements	1	2
Optimize conjunctive use of surface & groundwater	1	2
Public information & education programs	1	2
Residential plumbing retrofits (e.g., low flow toilets)	1	2
Rotating drought tolerant crops	1	2
School education programs	1	2
Sectioning of canals & ditches	1	2
Use of recycled water	1	2
Use of water recovery program	1	2
Water conservation pricing	1	2
Xeriscape promotions	1	2

Q.129 And which one of those tools is the best for conservation?
UP TO TWO CHOICES ARE ACCEPTABLE.

Alternative irrigation practices	1
Automated canal structures	2
Distribution/conveyance system leak detection	3
Dry land farming	4
Land use covenants	5
Lining of piping, ditches or canals	6
Metering	7
New subdivision platting & covenant requirements	8
Optimize conjunctive use of surface water & groundwater ..	9
Public information & education programs	10
Residential plumbing retrofits (e.g. low flow toilets)	11
Rotating drought tolerant crops	12
School education programs	13
Sectioning of canals & ditches	14
Use of recycled water	15
Use of water recovery programs	16
Water conservation pricing	17
Xeriscape promotions	18

Q.130 Now we'd like to ask you how the current drought has impacted you, specifically as it pertains to the entity that you represent. For the purposes of this study, we are defining the current drought as beginning in 1999 to present.

Please rate the level of impact that drought has had on each of the following areas, using a 5-point scale, where 1 is no impact at all, and 5 is an extreme impact.

1 = NO IMPACT AT ALL -- TO -- 5 = EXTREME IMPACT

	1=low	2	3	4	5=high
Loss of Crop Yield	1	2	3	4	5
Loss of Landscaped Property	1	2	3	4	5
Loss of Livestock	1	2	3	4	5
Limited New Construction	1	2	3	4	5
Loss of reliable water supply	1	2	3	4	5
Wells went dry or produced sand	1	2	3	4	5
Loss of Recreational Revenue	1	2	3	4	5
Loss of Water Amenities (e.g., parks, fountains)	1	2	3	4	5
Loss of Wildlife Habitat	1	2	3	4	5
Loss of Wildlife	1	2	3	4	5

Raw water quality	1	2	3	4	5
Fire damage	1	2	3	4	5
Loss of Operations Revenues (e.g., sale of water)	1	2	3	4	5
Increased expenses for public education	1	2	3	4	5
Loss of system flexibility	1	2	3	4	5

Q.131 Is there some other area that's been impacted that I didn't mention?

Yes .. 1

No ... 2

[IF THE ANSWER TO QUESTION 131 IS 2, THEN SKIP TO QUESTION 134]

Q.132 OTHER IMPACTED AREA

Q.133 And how would you rate that on the 5-point scale?

1 = not impact at all .. 1

22

33

44

5 = extreme impact ...5

Q.134 Now, let's turn our attention to water planning for future water supplies. I'm going to ask you to rate your ability to predict the future requirements for water supply both in the **short term** (defined as 2010) & the **long term** (defined as 2030) using the 5-point scale, where 1 is poor & 5 is excellent ability to predict future requirements. Then, I'm also going to ask how important that requirement is for you (again on the 5-point scale, with 1 being not at all important, and 5 being extremely important.)

Q.135 In the short term, how would you rate your ability to predict future average daily demand?

1 = poor 1

22

33

44

5 = excellent5

Not applicable .. 6

[IF THE ANSWER TO QUESTION 135 IS 6, THEN SKIP TO QUESTION 137]

Q.136 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.137 How would you rate that ability in the long-term?
(FYI: ability to predict future average daily demand)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 137 IS 6, THEN SKIP TO QUESTION 139]

Q.138 And overall, how important is it to predict future average daily demand?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.139 In the short term, how would you rate your ability to meet future average daily demand?

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 139 IS 6, THEN SKIP TO QUESTION 141]

Q.140 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.141 How would you rate that ability in the long-term? (FYI: ability to meet future average daily demand)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 141 IS 6, THEN SKIP TO QUESTION 143]

Q.142 And overall, how important is it to meet future average daily demand?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.143 In the short term, how would you rate your ability to predict future peak daily demand?

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 143 IS 6, THEN SKIP TO QUESTION 145]

Q.144 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.145 How would you rate that ability in the long-term? (FYI: ability to predict future peak daily demand)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 145 IS 6, THEN SKIP TO QUESTION 147]

Q.146 And overall, how important is it to predict future peak daily demand?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.147 In the short term, how would you rate your ability to meet future peak daily demand?

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 147 IS 6, THEN SKIP TO QUESTION 149]

Q.148 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.149 How would you rate that ability in the long-term? (FYI: ability to meet future peak daily demand)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 149 IS 6, THEN SKIP TO QUESTION 151]

Q.150 And overall, how important is it to meet future peak daily demand?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.151 In the short term, how would you rate your ability to predict future weather patterns (e.g., El Nino, snow pack, etc.)?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 151 IS 6, THEN SKIP TO QUESTION 153]

Q.152 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.153 How would you rate that ability in the long-term? (FYI: ability to predict future weather patterns)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 153 IS 6, THEN SKIP TO QUESTION 155]

Q.154 And overall, how important is it to predict future weather patterns (e.g., El Nino, snow pack, etc.)?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.155 In the short term, how would you rate your ability to meet demands with existing surface water supplies?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 155 IS 6, THEN SKIP TO QUESTION 157]

Q.156 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.157 How would you rate that ability in the long-term? (FYI: ability to meet demands with existing surface water supplies)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 157 IS 6, THEN SKIP TO QUESTION 159]

Q.158 And overall, how important is it to meet demands with existing surface water supplies?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.159 In the short term, how would you rate your ability to meet demands with existing ground water supplies?

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 159 IS 6, THEN SKIP TO QUESTION 161]

Q.160 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.161 How would you rate that ability in the long-term? (FYI: ability to meet demands with existing ground water supplies)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 161 IS 6, THEN SKIP TO QUESTION 163]

Q.162 And overall, how important is it to meet demands with existing ground water supplies?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.163 In the short term, how would you rate your ability to acquire new surface water supplies?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 163 IS 6, THEN SKIP TO QUESTION 165]

Q.164 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.165 How would you rate that ability in the long-term? (FYI: ability to acquire new surface water supplies)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 165 IS 6, THEN SKIP TO QUESTION 167]

Q.166 And overall, how important is it to acquire new surface water supplies?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.167 In the short term, how would you rate your ability to acquire new ground water supplies?

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 167 IS 6, THEN SKIP TO QUESTION 169]

Q.168 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.169 How would you rate that ability in the long-term? (FYI: acquire new surface water supplies)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 169 IS 6, THEN SKIP TO QUESTION 171]

Q.170 And overall, how important is it to acquire new ground water supplies?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.171 In the short term, how would you rate your ability to detect & repair water system shrink &/or leakage?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 171 IS 6, THEN SKIP TO QUESTION 173]

Q.172 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.173 How would you rate that ability in the long-term? (FYI: ability to detect & repair water system shrink &/or leakage)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 173 IS 6, THEN SKIP TO QUESTION 175]

Q.174 And overall, how important is it to detect & repair water system shrink &/or leakage?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.175 In the short term, how would you rate your ability to manage water quality impacts on water supply?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 175 IS 6, THEN SKIP TO QUESTION 177]

Q.176 And overall, how important is that ability?

1 = not at all important 1
22
33
44
5 = extremely important ..5

Q.177 How would you rate that ability in the long-term? (FYI: ability to manage water quality impacts on water supply)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 177 IS 6, THEN SKIP TO QUESTION 179]

Q.178 And overall, how important is it to manage water quality impacts on water supply?

1 = not at all important 1
22
33
44
5 = extremely important ..5

Q.179 In the short term, how would you rate your ability to find reliable/sustainable augmentation water?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 179 IS 6, THEN SKIP TO QUESTION 181]

Q.180 And overall, how important is that ability?

1 = not at all important 1
22
33
44
5 = extremely important ..5

Q.181 How would you rate that ability in the long-term? (FYI: ability to find reliable/sustainable augmentation water)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 181 IS 6, THEN SKIP TO QUESTION 183]

Q.182 And overall, how important is it to find reliable/sustainable augmentation water?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.183 In the short term, how would you rate your ability to implement future cooperative agreements to manage drought?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 183 IS 6, THEN SKIP TO QUESTION 185]

Q.184 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.185 How would you rate that ability in the long-term? (FYI: ability to implement future cooperative agreements to manage drought)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 185 IS 6, THEN SKIP TO QUESTION 187]

Q.186 And overall, how important is it to implement future cooperative agreements to manage drought?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.187 In the short term, how would you rate your ability to implement water reuse programs?

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 187 IS 6, THEN SKIP TO QUESTION 189]

Q.188 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.189 How would you rate that ability in the long-term? (FYI: implement water reuse programs)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 189 IS 6, THEN SKIP TO QUESTION 191]

Q.190 And overall, how important is it to implement water reuse programs?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.191 In the short term, how would you rate your ability to develop future water projects individually?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 191 IS 6, THEN SKIP TO QUESTION 193]

Q.192 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.193 How would you rate that ability in the long-term? (FYI: ability to develop future water projects individually)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 193 IS 6, THEN SKIP TO QUESTION 195]

Q.194 And overall, how important is it to develop future water projects individually?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.195 In the short term, how would you rate your ability to develop future water projects in a cooperative effort?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 195 IS 6, THEN SKIP TO QUESTION 197]

Q.196 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.197 How would you rate that ability in the long-term? (FYI: ability to develop future water projects in a cooperative effort)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 197 IS 6, THEN SKIP TO QUESTION 199]

Q.198 And overall, how important is it to develop future water projects in a cooperative effort?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.199 In the short term, how would you rate your ability to fund needed water development or infrastructure projects?

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 199 IS 6, THEN SKIP TO QUESTION 201]

Q.200 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.201 How would you rate that ability in the long-term? (FYI: ability to fund needed water development or infrastructure projects)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 201 IS 6, THEN SKIP TO QUESTION 206]

Q.202 And overall, how important is it to fund needed water development or infrastructure projects?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.203 In the short term, how would you rate your ability to fund water supply infrastructure maintenance and repair?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 203 IS 6, THEN SKIP TO QUESTION 205]

Q.204 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.205 How would you rate that ability in the long-term? (FYI: ability to fund water supply infrastructure maintenance and repair)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 205 IS 6, THEN SKIP TO QUESTION 207]

Q.206 And overall, how important is it to fund water supply infrastructure maintenance and repair?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.207 In the short term, how would you rate your ability to retain existing water rights over time (e.g., versus development pressure to switch ag rights to municipal rights)?

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 207 IS 6, THEN SKIP TO QUESTION 209]

Q.208 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.209 How would you rate that ability in the long-term? (FYI: ability to retain existing water rights over time)

1 = poor1
22
33
44
5 = excellent5
Not applicable ..6

[IF THE ANSWER TO QUESTION 209 IS 6, THEN SKIP TO QUESTION 211]

Q.210 And overall, how important is it to retain existing water rights over time (e.g., versus development pressure to switch ag rights to municipal rights)?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.211 In the short term, how would you rate your ability to implement conjunctive use programs?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 211 IS 6, THEN SKIP TO QUESTION 213]

Q.212 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.213 How would you rate that ability in the long-term? (FYI: ability to implement conjunctive use programs)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 213 IS 6, THEN SKIP TO QUESTION 215]

Q.214 And overall, how important is it to implement conjunctive use programs?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.215 In the short term, how would you rate your ability to meet environmental permitting requirements?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 215 IS 6, THEN SKIP TO QUESTION 217]

Q.216 And overall, how important is that ability?

1 = not at all important 1
2 2
3 3
4 4
5 = extremely important .. 5

Q.217 How would you rate that ability in the long-term? (FYI: ability to meet environmental permitting requirements)

1 = poor 1
2 2
3 3
4 4
5 = excellent 5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 217 IS 6, THEN SKIP TO QUESTION 219]

Q.218 And overall, how important is it to meet environmental permitting requirements?

1 = not at all important 1
2 2
3 3
4 4
5 = extremely important .. 5

Q.219 In the short term, how would you rate your ability to offset increased demand of future growth thru water conservation programs?

1 = poor 1
2 2
3 3
4 4
5 = excellent 5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 219 IS 6, THEN SKIP TO QUESTION 221]

Q.220 And overall, how important is that ability?

1 = not at all important 1
2 2
3 3
4 4
5 = extremely important .. 5

Q.221 How would you rate that ability in the long-term? (FYI: ability to offset increased demand of future growth thru water conservation programs)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 221 IS 6, THEN SKIP TO QUESTION 223]

Q.222 And overall, how important is it to offset increased demand of future growth thru water conservation programs?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.223 In the short term, how would you rate your ability to offset increased demand of future growth thru ag land conversion programs?

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 223 IS 6, THEN SKIP TO QUESTION 225]

Q.224 And overall, how important is that ability?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.225 How would you rate that ability in the long-term? (FYI: ability to offset increased demand of future growth thru ag land conversion programs)

1 = poor1
22
33
44
5 = excellent5
Not applicable .. 6

[IF THE ANSWER TO QUESTION 225 IS 6, THEN SKIP TO QUESTION 227]

Q.226 And overall, how important is it to offset increased demand of future growth thru ag land conversion programs?

1 = not at all important1
22
33
44
5 = extremely important ..5

Q.227 Next, please identify your current need for the following types of structural projects to manage periods of low water availability, using the 5-point scale where 1 is no need at all and 5 is an extreme or urgent need.

Q.228 Structural improvements or upgrades to meet dam safety requirements

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.229 Dredging existing reservoirs

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.230 Install and use water meters

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.231 Lining of ditches

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.232 New or deepened wells

1= no need at all 1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.233 New or improved aquifer storage recovery/conjunctive use programs/ groundwater recharge

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.234 New raw water treatment facilities

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.235 New storage for groundwater

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.236 New storage for surface water

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.237 New or upgraded pump stations

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.238 New or upgraded pipelines

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.239 New or upgraded water distribution systems

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.240 Rehabilitation or new diversion structures

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.241 Water reuse projects

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.242 Implement phreatophyte (*FYI: weed type trees that drink water*) control

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.243 Large scale and/or multi-basin cooperative projects

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.244 Forest management

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.245 Is there some other structural project needed that I didn't mention?

Yes .. 1
No ... 2

[IF THE ANSWER IS 2, THEN SKIP TO QUESTION 248]

Q.246 RECORD STRUCTURAL PROJECT

Q.247 And how would you rate your need for that using the same 5-point scale?

1 = no need at all .. 1
22
33
44
5 = extreme need ..5

Q.248 Do you believe that the State should be involved in the structural projects that were just mentioned?

Yes1
No2
Don't know .. 3

[IF THE ANSWER TO QUESTION 248 IS 2, THEN SKIP TO QUESTION 269]

Q.249 Which of the following items could the State be of assistance? Please answer yes or no to each one.

Q.250 Structural improvements or upgrades to meet dam safety requirements

Yes .. 1
No ... 2

Q.251 Dredging existing reservoirs

Yes .. 1
No ... 2

- Q.252 Install and use water meters
- Yes .. 1
No ... 2
- Q.253 Lining of ditches
- Yes .. 1
No ... 2
- Q.254 New or deepened wells
- Yes .. 1
No ... 2
- Q.255 New or improved aquifer storage recovery/conjunctive use programs /groundwater recharge
- Yes .. 1
No ... 2
- Q.256 And should the State be involved in new raw water treatment facilities
- Yes .. 1
No ... 2
- Q.257 New storage for groundwater
- Yes .. 1
No ... 2
- Q.258 New storage for surface water
- Yes .. 1
No ... 2
- Q.259 New or upgraded pump stations
- Yes .. 1
No ... 2
- Q.260 New or upgraded pipelines
- Yes .. 1
No ... 2
- Q.261 New or upgraded water distribution systems
- Yes .. 1
No ... 2

Q.262 Rehabilitation or new diversion structures

Yes .. 1
No ... 2

Q.263 Water reuse projects

Yes .. 1
No ... 2

Q.264 Implement phreatophyte (*fyi: weed type trees that drink water*) control

Yes .. 1
No ... 2

Q.265 Large scale and/or multi-basin cooperative projects

Yes .. 1
No ... 2

Q.266 Forest management

Yes .. 1
No ... 2

Q.267 Is there some other structural project needed that I didn't mention?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 267 IS 2, THEN SKIP TO QUESTION 269]

Q.268 Other structural project for which State could assist

Q.269 Assume that you had a budget of **5 water dollars** to be used to support structural projects that we have just described. Using even \$1 dollar increments, please tell me in which areas would you spend the budget?

You may spend in even dollar increments only --in other words, you cannot spend 50 cents. However, you can spend all 5 in one spot if desired. And we need to spend all 5 dollars.

[ANSWER MUST TOTAL 5]

Structural upgrades to meet Dam Safety requirements	_____
Dredging existing Reservoirs	_____
Install water use meters	_____
Lining of ditches	_____
New or deepened Wells	_____
Aquifer storage recovery/conjunctive/groundwater recharge	_____
New raw water treatment facilities	_____
New storage for groundwater	_____
New storage for surface water	_____
New or upgraded pump stations	_____
New or upgraded pipelines	_____
New or upgraded water distribution systems	_____
Rehabilitation or new diversion structures	_____
Water reuse projects	_____
Implement phreatophyte control (weed-type-trees that drink H2O) ..	_____
Large scale &/or multi-basin cooperative projects	_____
Forest management	_____
OTHER AREA NOT MENTIONED	_____

Q.270 PRESS ENTER/ LEAVE BLANK -- **UNLESS** PERSON CHOSE OTHER.

Q.271 Now, please identify your current need for the following types of *non-structural* projects to manage drought, using the same 5-point scale, where 1 is no need at all and 5 is extreme or urgent need.

Improved education & awareness of the Public with respect to water, water supply, and water supply planning?

1 = no need at all	1
2	2
3	3
4	4
5 = extreme or urgent need ..	5
Not applicable	6

Q.272 Improved or enhanced water conservation methods (municipal or agricultural)

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.273 Improved or enhanced water conservation measurement methods

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.274 Technical support in master planning for future water supply & demand

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.275 Technical support in drought & conservation planning (hydrologic studies, water rights studies)

1= no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.276 Now, please use the same scale to rate the use of cooperative agreements for each of the following on a 5-point scale, with 1 being no need at all to 5 being an extreme or urgent need.

	1=low	2	3	4	5=high
Exchanges	1	2	3	4	5
Transfers	1	2	3	4	5
Substitute Water Supply Plans	1	2	3	4	5
Interruptible Supplies	1	2	3	4	5
Dry Year Leases	1	2	3	4	5
Other Leases	1	2	3	4	5
Operating Agreements	1	2	3	4	5
Water Banking	1	2	3	4	5
Water Conservation Easement	1	2	3	4	5

Q.277 Are there any other cooperative agreements that I didn't mention?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 277 IS 2, THEN SKIP TO QUESTION 279]

Q.278 What is that cooperative agreement?

Q.279 And how would you rate your need for the financing of large scale or multi-basin cooperative projects, using the same 5-point scale?

1 = no need at all1
22
33
44
5 = extreme or urgent need ..5
Not applicable6

Q.280 What about your need for better availability of loans to your organization for:

(Using the same 5-point scale, where 1 is no need at all & 5 is an extreme or urgent need.)

	1=low	2	3	4	5=high
Project evaluations/ feasibility studies	1	2	3	4	5
Planning	1	2	3	4	5
Capital projects	1	2	3	4	5

Q.281 Is there some other loan use that I didn't mention?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 281 IS 2, THEN SKIP TO QUESTION 283]

Q.282 What is that?

Q.283 How do you rate your need for that using the 5-point scale?

1 = no need at all1
22
33
44
5 = extreme or urgent need ..5

Q.284 Do you believe that the State should be involved in the non-structural projects that were just mentioned?

Yes1
No2
Not sure ..3

[IF THE ANSWER IS 2, THEN SKIP TO QUESTION 295]

Q.285 Which of the following items could the State be of assistance? Please answer yes or no to each one.

Q.286 Improve education of and awareness of the community with respect to water, water supply, & water supply planning

Yes ..1
No ...2

Q.287 Improved or enhanced water conservation methods (municipal or agricultural)

Yes ..1
No ...2

Q.288 Improved or enhanced water conservation measurements methods

Yes ..1
No ...2

Q.289 Technical support in master planning for future water supply and demand

Yes ..1
No ...2

Q.290 Technical support in drought and conservation planning (hydrologic studies, water rights studies)

Yes ..1
No ...2

Q.291 Should the State be involved in the use of **cooperative agreements** for:

	Yes	No
Exchanges	1	2
Transfers	1	2
Substitute Water Supply Plans	1	2
Interruptible Supplies	1	2
Dry Year Leases	1	2
Other Leases	1	2
Operating Agreements	1	2
Water Banking	1	2
Water Conservation Easement	1	2

Q.292 Is their some other use that I didn't mention?

Q.293 Should the State be of assistance with better availability of loans to your organization for:

	Yes	No
Project evaluations/ feasibility studies	1	2
Planning	1	2
Capital projects	1	2

Q.294 Is there some other loan use that I didn't mention?

Q.295 We would like to know to what extent you believe the State should be involved in water projects to manage drought in periods of low water supply. Please indicate how much you agree with the following statements on the 5-point scale where 1 indicates that you strongly disagree and 5 means that you strongly agree.

The State should own water projects.

1 = strongly disagree .. 1
22
33
44
5 = strongly agree5

Q.296 The State should perform statewide water planning

1 = strongly disagree .. 1
22
33
44
5 = strongly agree5

Q.297 The State should enforce the Water Metering Act

1 = strongly disagree .. 1
22
33
44
5 = strongly agree5
Don't know6

Q.298 The State should enforce the Water Conservation Act

1 = strongly disagree .. 1
22
33
44
5 = strongly agree5
Don't know6

Q.299 The State should develop State/Federal partnerships for management of Federal projects

1 = strongly disagree .. 1
22
33
44
5 = strongly agree5

Q.300 The State should provide support in cooperative relationships with respect to financing, regulatory matters, and leadership

1 = strongly disagree ..1
 22
 33
 44
 5 = strongly agree5

Q.301 Using the 5-scale, where 1 is poor & 5 is excellent, please rate the level of communications received regarding the 2002 drought, its management and resources from the following entities.

	1=poor	2	3	4	5=excellent	DK
Colorado Water Conservation Board	1	2	3	4	5	6
Governor's Office	1	2	3	4	5	6
Dept of Natural Resources	1	2	3	4	5	6
Executive Director of the DNR	1	2	3	4	5	6
State Engineers Office	1	2	3	4	5	6
Federal Government overall	1	2	3	4	5	6
State Government overall	1	2	3	4	5	6

Q.302 The last part of the survey describes some services that CWCB provides to water users & suppliers. First, were you aware that CWCB offers loans for infrastructure Improvements ?

Yes .. 1
 No ... 2

Q.303 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
 22
 33
 44
 5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 302 IS 2, THEN SKIP TO QUESTION 306]

Q.304 Have you ever used this CWCB service?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 304 IS 2, THEN SKIP TO QUESTION 306]

Q.305 And how would you rate that program on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
2 2
3 3
4 4
5 = excellent .. 5

Q.306 Were you aware that CWCB offers grants for feasibility studies?

Yes .. 1
No ... 2

Q.307 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive 1
2 2
3 3
4 4
5 = extremely attractive .. 5

[IF THE ANSWER TO QUESTION 306 IS 2, THEN SKIP TO QUESTION 310]

Q.308 Have you ever used this CWCB service?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 308 IS 2, THEN SKIP TO QUESTION 310]

Q.309 And how would you rate that program on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
2 2
3 3
4 4
5 = excellent .. 5

Q.310 The next series of questions are all related to CWCB technical assistance with particular issues. I am going to address a few issues individually. Were you aware that CWCB provides assistance with biological opinions, and wildlife and habitat assessments?

Yes .. 1

No ... 2

Q.311 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1

22

33

44

5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 310 IS 2, THEN SKIP TO QUESTION 314]

Q.312 Have you ever used this CWCB service?

Yes .. 1

No ... 2

[IF THE ANSWER TO QUESTION 312 IS 2, THEN SKIP TO QUESTION 314]

Q.313 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1

22

33

44

5 = excellent ..5

Q.314 Were you aware that CWCB provides assistance with compact issues?

Yes .. 1

No ... 2

Q.315 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1

22

33

44

5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 314 IS 2, THEN SKIP TO QUESTION 318]

Q.316 Have you ever used this CWCB service?

Yes .. 1

No ... 2

[IF THE ANSWER TO QUESTION 316 IS 2, THEN SKIP TO QUESTION 318]

Q.317 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1

2 2

3 3

4 4

5 = excellent .. 5

Q.318 Were you aware that CWCB provides assistance with conservation planning?

Yes .. 1

No ... 2

Q.319 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive 1

2 2

3 3

4 4

5 = extremely attractive .. 5

[IF THE ANSWER TO QUESTION 318 IS 2, THEN SKIP TO QUESTION 322]

Q.320 Have you ever used this CWCB service?

Yes .. 1

No ... 2

[IF THE ANSWER TO QUESTION 320 IS 2, THEN SKIP TO QUESTION 322]

Q.321 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1

2 2

3 3

4 4

5 = excellent .. 5

Q.322 Were you aware that CWCB provides assistance with dam safety?

Yes .. 1
No ... 2

Q.323 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
22
33
44
5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 322 IS 2, THEN SKIP TO QUESTION 326]

Q.324 Have you ever used this CWCB service?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 324 IS 2, THEN SKIP TO QUESTION 326]

Q.325 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
22
33
44
5 = excellent ..5

Q.326 Were you aware that CWCB provides assistance with drought planning?

Yes .. 1
No ... 2

Q.327 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
22
33
44
5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 326 IS 2, THEN SKIP TO QUESTION 330]

Q.328 Have you ever used this CWCB service? Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 328 IS 2, THEN SKIP TO QUESTION 330]

Q.329 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
2 2
3 3
4 4
5 = excellent .. 5

Q.330 Were you aware that CWCB provides assistance with flood studies and evaluations?

Yes .. 1
No ... 2

Q.331 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive 1
2 2
3 3
4 4
5 = extremely attractive .. 5

[IF THE ANSWER TO QUESTION 330 IS 2, THEN SKIP TO QUESTION 334]

Q.332 Have you ever used this CWCB service?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 332 IS 2, THEN SKIP TO QUESTION 334]

Q.333 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
2 2
3 3
4 4
5 = excellent .. 5

Q.334 Were you aware that CWCB provides assistance with interpretation of water law?

Yes .. 1
No ... 2

Q.335 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
22
33
44
5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 334 IS 2, THEN SKIP TO QUESTION 338]

Q.336 Have you ever used this CWCB service?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 336 IS 2, THEN SKIP TO QUESTION 338]

Q.337 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
22
33
44
5 = excellent ..5

Q.338 Were you aware that CWCB provides assistance with instream flow protection programs?

Yes .. 1
No ... 2

Q.339 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
22
33
44
5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 338 IS 2, THEN SKIP TO QUESTION 342]

Q.340 Have you ever used this CWCB service?

Yes .. 1

No ... 2

[IF THE ANSWER TO QUESTION 340 IS 2, THEN SKIP TO QUESTION 342]

Q.341 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1

2 2

3 3

4 4

5 = excellent .. 5

Q.342 Were you aware that CWCB provides assistance with maintaining natural lake levels?

Yes .. 1

No ... 2

Q.343 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive 1

2 2

3 3

4 4

5 = extremely attractive .. 5

[IF THE ANSWER TO QUESTION 342 IS 2, THEN SKIP TO QUESTION 346]

Q.344 Have you ever used this CWCB service?

Yes .. 1

No ... 2

[IF THE ANSWER TO QUESTION 344 IS 2, THEN SKIP TO QUESTION 346]

Q.345 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1

2 2

3 3

4 4

5 = excellent .. 5

Q.346 Were you aware that CWCB provides assistance with project feasibility studies?

Yes .. 1
No ... 2

Q.347 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
22
33
44
5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 346 IS 2, THEN SKIP TO QUESTION 350]

Q.348 Have you ever used this CWCB service?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 348 IS 2, THEN SKIP TO QUESTION 350]

Q.349 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
22
33
44
5 = excellent ..5

Q.350 Were you aware that CWCB provides assistance with fiver and ecosystem restoration?

Yes .. 1
No ... 2

Q.351 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
22
33
44
5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 350 IS 2, THEN SKIP TO QUESTION 354]

Q.352 Have you ever used this CWCB service? Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 352 IS 2, THEN SKIP TO QUESTION 354]

Q.353 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
2 2
3 3
4 4
5 = excellent .. 5

Q.354 Were you aware that CWCB provides assistance with stream and lake hydrology and hydraulics?

Yes .. 1
No ... 2

Q.355 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive 1
2 2
3 3
4 4
5 = extremely attractive .. 5

[IF THE ANSWER TO QUESTION 354 IS 2, THEN SKIP TO QUESTION 358]

Q.356 Have you ever used this CWCB service?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 356 IS 2, THEN SKIP TO QUESTION 358]

Q.357 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
2 2
3 3
4 4
5 = excellent .. 5

Q.358 Were you aware that CWCB provides assistance with water conservation planning?

Yes .. 1
No ... 2

Q.359 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
22
33
44
5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 358 IS 2, THEN SKIP TO QUESTION 362]

Q.360 Have you ever used this CWCB service?

Yes .. 1
No ... 2

[IF THE ANSWER TO QUESTION 360 IS 2, THEN SKIP TO QUESTION 362]

Q.361 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1
22
33
44
5 = excellent.....5

Q.362 Were you aware that CWCB provides assistance with water systems sampling and monitoring?

Yes .. 1
No ... 2

Q.363 And how attractive (is that) (would that be) to you, on the 5-point scale where 1 is not at all attractive and 5 is extremely attractive?

1 = not at all attractive1
22
33
44
5 = extremely attractive ..5

[IF THE ANSWER TO QUESTION 362 IS 2, THEN SKIP TO QUESTION 366]

Q.364 Have you ever used this CWCB service?

Yes .. 1

No ... 2

[IF THE ANSWER TO QUESTION 364 IS 2, THEN SKIP TO QUESTION 366]

Q.365 And how would you rate the assistance on the 5-point scale, where 1 is poor and 5 is excellent?

1 = poor 1

2 2

3 3

4 4

5 = excellent .. 5

Q.366 Finally, I'd like you rate several communication methods that the State might use to disseminate information to you regarding water & drought issues. Please rate each one on the 5-point scale, where 1 is poor and 5 is excellent for you personally.

	1=low	2	3	4	5=high
E-mail	1	2	3	4	5
Internet	1	2	3	4	5
Mail	1	2	3	4	5
Workshops/ Seminars	1	2	3	4	5
Attending CWCB Board Meetings	1	2	3	4	5
Phone Consultations	1	2	3	4	5
Face-to-Face	1	2	3	4	5
Media	1	2	3	4	5
Organizational Meetings	1	2	3	4	5

Q.367 Is there some other communication method that you would prefer that I didn't mention?

Yes .. 1

No ... 2

[IF THE ANSWER TO QUESTION 367 IS 2, THEN SKIP TO QUESTION 369]

Q.368 OTHER COMMUNICATION METHOD

Q.369 **Finally, please verify your first name:**

Q.370 **Your Last Name:**

Q.371 **Your Organization:**

Q.372 **Your Title:**

Q.373 **Your Basin:**

Q.374 Your Division:

(NOTE: MORE THAN ONE CHOICE IS ACCEPTABLE.)

Division 1 ..1
Division 2 ..2
Division 3 ..3
Division 4 ..4
Division 5 ..5
Division 6 ..6
Division 7 ..7

Q.375 **Your E-mail address:**

Q.376 **Your telephone number:**

Q.377 **And your fax number:**

Q.378 **Your proper mailing address, including suite # if you have one:**

Q.379 **Your City:**

Q.380 **Your zip code:**

Q.381 **Your county:**

Q.382 That's the end. Thank you very much for your participation in the Colorado Drought & Water Supply Assessment! The opinions of water users like you are invaluable in planning for and managing future drought in Colorado. We anticipate having results from this study posted on the CWCB website by the end of the year. As you may know, there are some upcoming large-scale water projects and initiatives (*if asked: CRRP, SWSI, CWCB Technical Project assistance*) that are going to be studied throughout the coming years to help address Colorado water concerns and needs. We encourage your participation in those studies to provide the State with information and your opinions. Thanks Again. Good- bye.

RECORD ANY NOTES/COMMENTS HERE:

Should you have questions about how to fill out this survey, please call 303-830-2345 or email info@re-search.com. If you have completed this survey & wish to mail it back to us, please return to:
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