DIVERSION RECORDS CODING DIAGRAMS

Department of Natural Resources
Division of Water Resources

Effective November 1, 2010
Version 1.6

TABLE OF CONTENTS

CODING DIAGRAM LEGEND *1*
DIVERSION CODES AND STRUCTURE TYPES *2*
SOURCE/USE TOTALS *3*
USE Total **3**
SOURCE Total **3**
STRUCTURE TOTALS *4*
Inflow Total **4**
USE Total **4**
Release Total **4**
SINGLE VERSUS MULTIPLE RECORDS *5*
Aggregating vs. Non-Aggregating Structure Type **5**
User Preference **5**
STREAM DIVERSIONS *6*
Simple diversion from stream **6**
Natural stream flow diverted to final use or district export 7
Natural stream flow - excess tailwater released back to stream 8
Natural stream flow diverted to second structure 9
Natural stream flow to on-stream reservoir 10
Natural stream flow to in-stream use 11
Simple diversion from stream at an alternate point **12**
Natural stream flow diverted at an alternate point of diversion for direct use 12
Natural stream flow diverted at an alternate point of diversion to second structure 13
Natural stream flow stored in on-stream structure as an alternate point of storage 14
Natural stream flow stored in off-stream structure as an alternate point of storage 15
Simple diversion from two different streams **16**
Natural stream flow diverted from two different streams for direct use 16
Natural stream flow diverted from two different streams to second structure 17
Natural stream flow to on-stream storage from multiple streams 18
Simple diversion by head gate well[+] **19**
Natural stream flow diverted to final use or district export 19
RESERVOIR RELEASES *20*
Reservoir releases to stream **20**

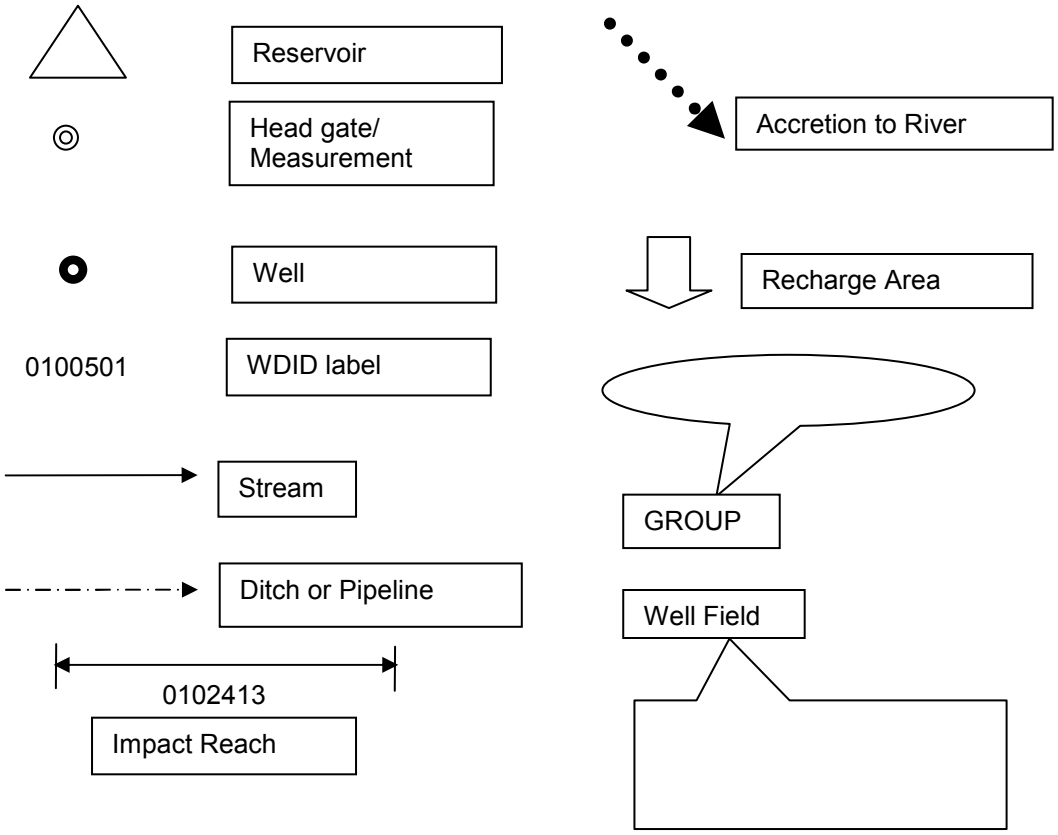
Reservoir release diverted downstream for direct use 20
Reservoir release diverted downstream to a second structure 21
Reservoir release diverted downstream into on-stream storage 22
Reservoir release of dominion and control 23
Reservoir release off-stream 24
Reservoir release to final use; water never enters natural stream 24
Reservoir release to second structure; water never enters natural stream 25
Reservoir release diverted by exchange 26
Reservoir release diverted by exchange for direct use 26
Reservoir release diverted by exchange to second structure 27
Reservoir release diverted by exchange to an on-stream reservoir 28
Reservoir release diverted by exchange to on-stream reservoir on a different stream 29
GROUND WATER PUMPING/RELEASE 30
Ground water to direct use 30
Ground water to final use 30
Ground water to second structure 31
Ground water releases to stream 32
Ground water released for diversion to direct use downstream 32
Ground water release diverted downstream to second structure 33
Ground water release stored in on-stream reservoir 34
Ground water release of dominion and control 35
Ground water pumped as an alternate point of diversion 36
Ground water to final use; well is APOD to a ditch 36
Ground water to second structure; well is APOD to a ditch 37
TRANSBASIN DIVERSIONS 38
Transbasin releases to stream 38
Transbasin release diverted downstream for direct use 38
Transbasin release diverted to second structure 39
Transbasin release stored in on-stream reservoir 40
Transbasin release off-stream 41
Transbasin released off-stream to final use 41
Transbasin released offstream to a second structure 42
Transbasin release diverted by exchange 43
Transbasin release diverted by exchange to direct use. 43
Transbasin release diverted by exchange to second structure 44

Transbasin release diverted by exchange to on-stream reservoir 45
Transbasin complex 46
DIVERSION OF SUB-BASIN EXPORT 47
NON-STREAM DIVERSIONS 48
Non-stream run-off to final use 48
Non-stream spring to final use 49
Non-stream run-off to storage 50
Non-stream spring to storage 51
RE-USABLE RELEASES 52
Re-usable releases to stream 52
Re-usable water release diverted for direct use 52
Re-usable water release diverted to second structure 53
Re-usable water release diverted to on-stream storage....54
Re-usable water release of dominion and control 55
Re-usable water release off-stream 56
Re-usable water released off-stream to direct use....56
Re-usable water released off-stream to a second structure....57
Re-usable water release diverted by exchange.... 58
Re-usable water release diverted by exchange for direct use....58
Re-usable water release diverted by exchange to second structure....59
Re-usable water release diverted by exchange to on-stream reservoir 60
Re-usable water complex 61
AGGREGATING REACH DIVERSIONS.... 62
Natural stream flow returned to river for replacement credit.... 62
Natural stream flow delivered by head gate for replacement credit 63
Natural stream flow depletion from groundwater diversion.... 64
Reservoir release to river for replacement credit 65
Ground water diverted to river for replacement credit 66
Ground water diverted to river for replacement credit by well 66
Return flows diverted for replacement credit.... 67
Return flows diverted for replacement credit from lawn irrigation....67
Return flows diverted for replacement credit from recharge area 68
Stream gage measurement used as basis for diversion 69
Stream gage measurement diverted for direct use 69

Stream gage measurement diverted to second structure....70
Stream gage measurement diverted to on-stream reservoir....71
Stream gage measurement exchanged and diverted for direct use....72
Stream gage measurement exchanged to second structure....73
Stream gage measurement exchanged to on-stream reservoir....74
MULTIPLE SOURCES TO MULTIPLE FINAL USES....75
RECHARGE AREA DIVERSIONS – COMPLEX....76
PLAN OF AUGMENTATION – TYPICAL....77
UNDERGROUND - RECHARGE....78
UNDERGROUND – RELEASE/DISPOSAL....79

CODING DIAGRAM LEGEND

To assist the understanding of how to use each of the various Water Class codes that make up a diversion record, a number of coding diagrams are presented in the following sections. The diagrams range in complexity from "simple" diversions taken directly from the natural stream through a head gate or other structure that does not create delayed impacts as a result of the diversion to many more complicated diversion scenarios.



DIVERSION CODES AND STRUCTURE TYPES

SOURCE Code[1]	
1	Natural Stream Flow
2	Reservoir Storage
3	Ground Water
4	Transbasin Water
5	Non-Stream Flow
8	Re-usable Water
X[2]	Unspecified

TYPE Code[1]	
	Blank is acceptable
Types of diversions	
1	Exchange
2	Trade
4	Alternate Point of Diversion
A	Authorized/Augmented
U	Unauthorized Diversion
D	Out-of-priority Depletion
J	In-priority Depletion
Types of releases	
7	Released to Stream
8	Released Off-stream
L	Release of Dominion and Control
E	Release of Excess Diversion
Q	Release of Quantified Amount
V[3]	Release to Alluvial Aquifer
W	Released Underground
Types of data	
0	Administrative Record Only
R	USE Only Volume Data

USE Code[1]	
0	Storage
1	Irrigation
2	Municipal
3	Commercial
4	Industrial
5	Recreation
6	Fishery
7	Fire
8	Domestic
9	Stock
A	Augmentation
B	Sub-basin export
C	Change of Use Return Flows
E	Evaporation
F	Federal reserved
G	Geothermal
H	Household use only
K	Snow making
M	Minimum stream flow/lake level
P	Power generation
Q	Quantification of amount
R	Recharge
S	Export from State
T	Transbasin export
W	Wildlife
Z	Other

OBSERVATION Code	
*	Observed
U	User Supplied - Unknown Reliability
K	User Supplied - Known Reliability
E	Estimated
C	Calculated

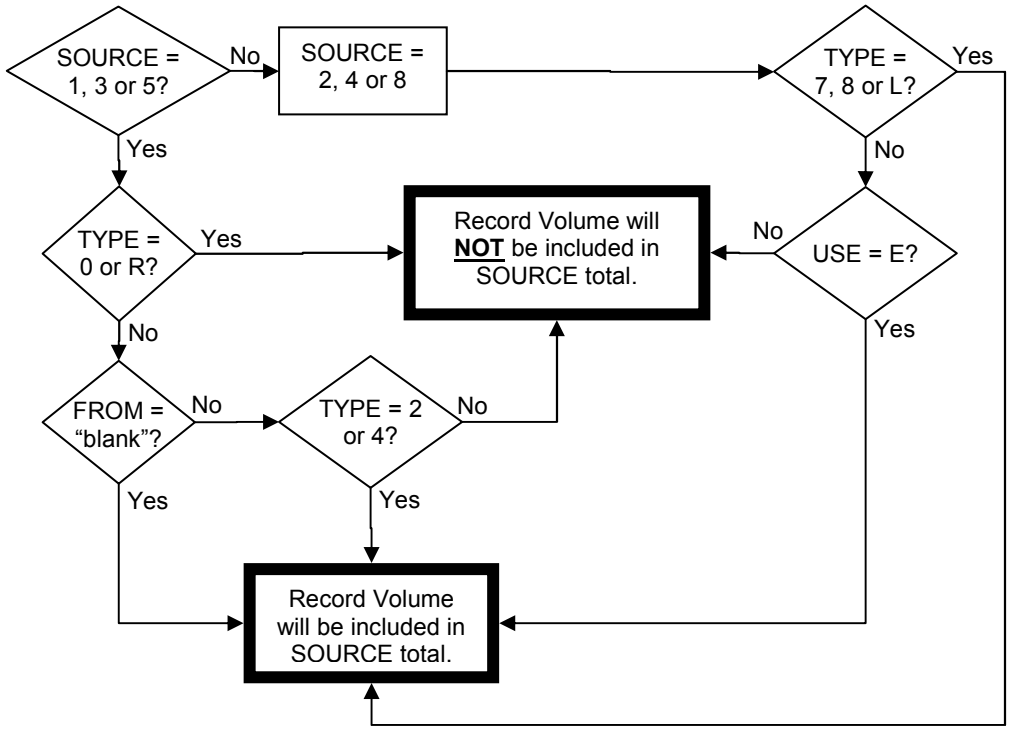
Not Used/Not Released Code (NUC/NRC)	
	Blank is acceptable
A	Structure not usable
B	No water available
C	Water available, but not taken
D	Water taken in another structure
E	Water taken, but no data available
F	No information available

Structure Type Allowed to have a Diversion Record[4]		
1	Ditch	N
2	Well	N
WG	Well Group	N
4	Spring	N
5	Seep	N
6	Mine	N
7	Pipeline	N
8	Pump	N
9	Power Plant	N
0	Other	N
M	Measuring Point	N
MF	Minimum Flow	N
R	Reach (Non-Aggregating)	N
WF	Well Field	A
3	Reservoir	A
RS	Reservoir System	A
RA	Recharge Area	A
AR	Aggregating Reach	A

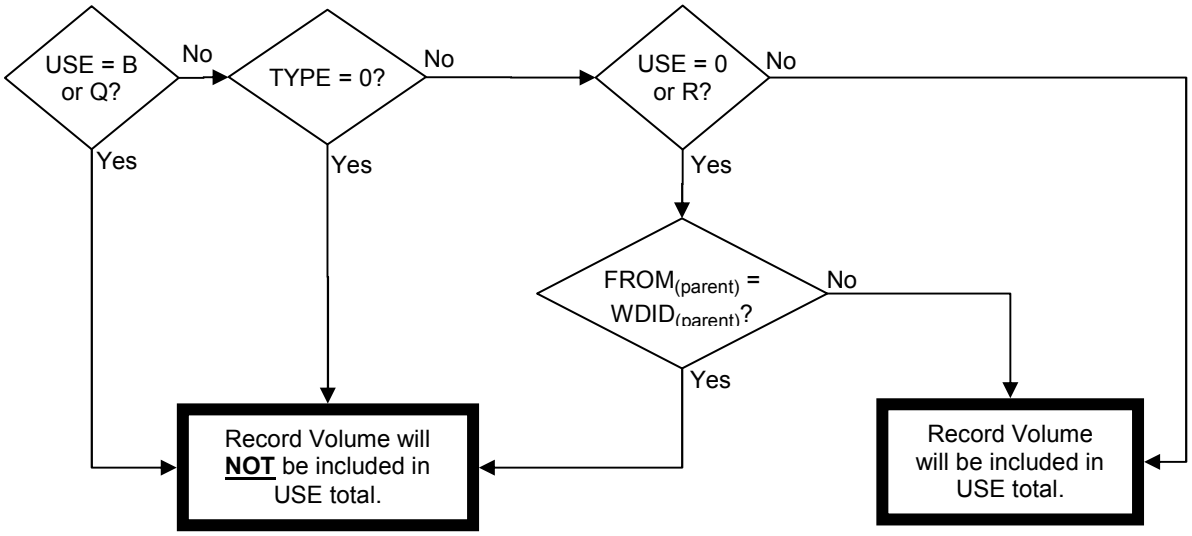
Structure Type **NOT** Allowed to have a Diversion Record	
AQ	Aquifer NNT/NT Reservation
DS	Ditch System
EP	Exchange Plan
P	Augmentation/Replacement Plan

SOURCE/USE TOTALS

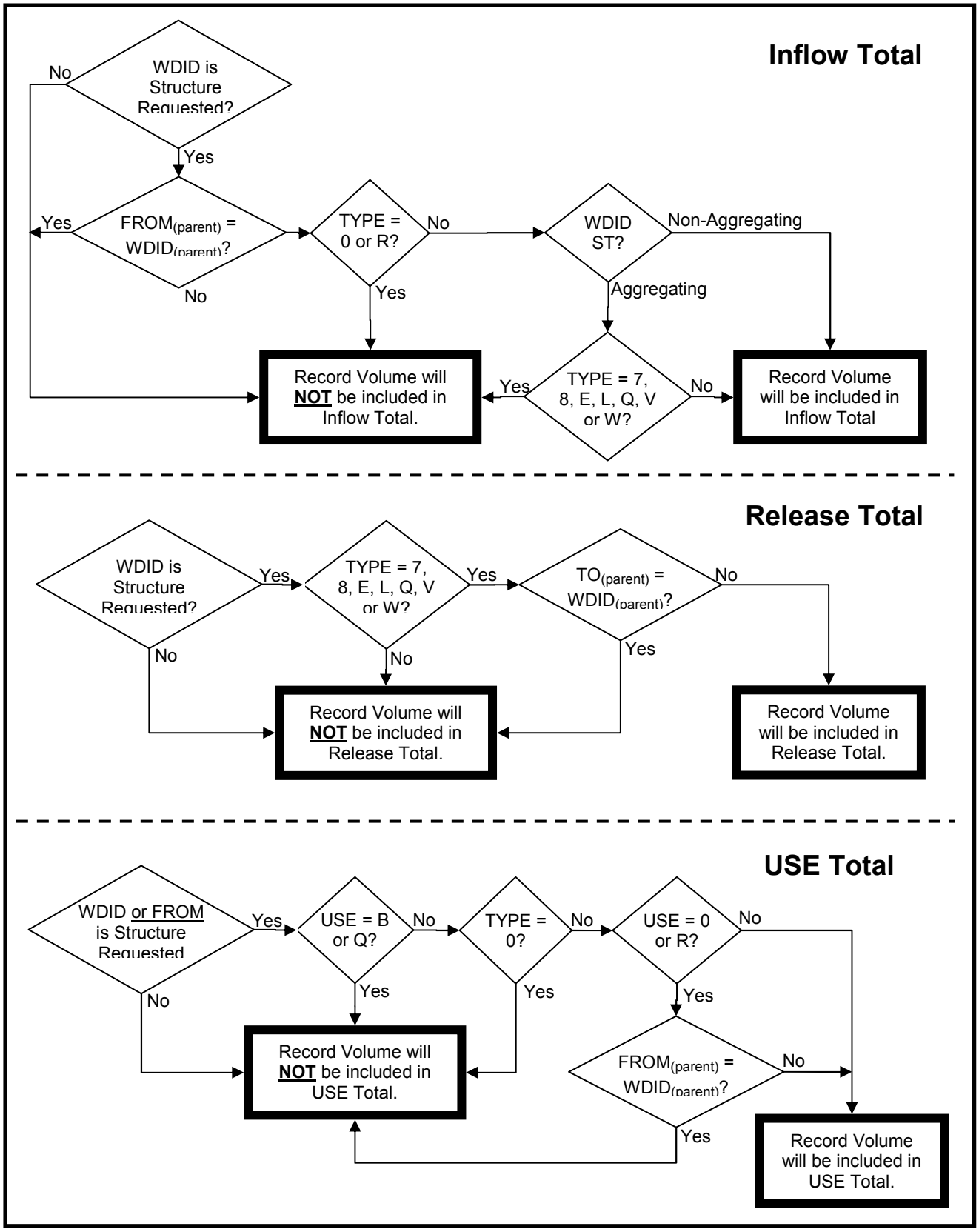
SOURCE Total



USE Total



STRUCTURE TOTALS



SINGLE VERSUS MULTIPLE RECORDS

Aggregating vs. Non-Aggregating Structure Type

Diversion records for Aggregating structure types may not be used to capture both inflow to and release from the structure in order for the summation routine to accurately calculate the inflow total.

User Preference

Depending upon the circumstances and/or preference of the water commissioner, some operations may be documented using one or multiple records. The option to record SOURCE and USE information, for instance, using two different records is presented here for clarity, but has not been repeated for each potentially similar scenario in the following sections. There may be a number of similar reasons to use multiple records either for convenience or clarity sake.

	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	0100501	1		Q					Natural stream diverted
1b	0100501	1		#	R				Use record

Likewise, the use of a headgate administrative record might be useful, but is not presented in the following sections.

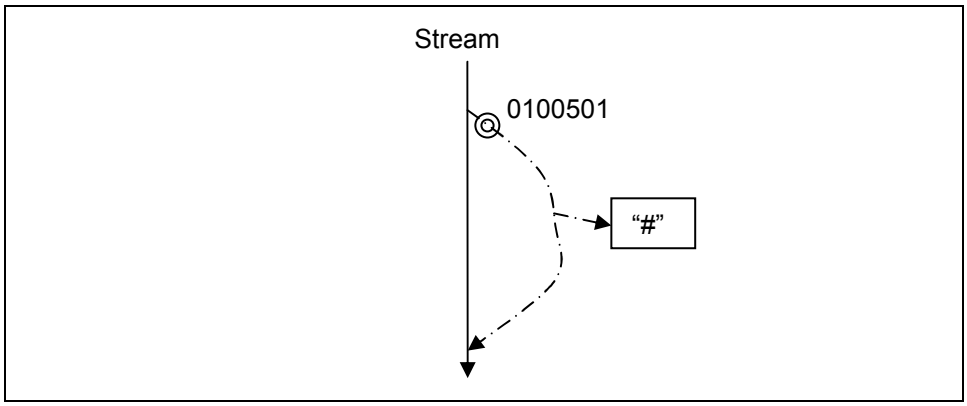
	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	0100501	X		Q	0				Headgate administrative record
1b	0100501	1		#	R				Use record

STREAM DIVERSIONS

Simple diversion from stream

A simple diversion can most easily be described as a diversion that is taken directly from a source of water to a final use with no intermediary steps. Diversion records of water taken from the natural stream use SOURCE = 1. Such diversions may be accomplished by means of any direct diversion from the stream, including a “Head gate” well, decreed by the court or permitted by the Office of the State Engineer, provided the diversion occurs without delayed depletions.

Natural stream flow diverted to final use or district export



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100501	1		#					Natural stream diverted to direct use or district export

OR[+]

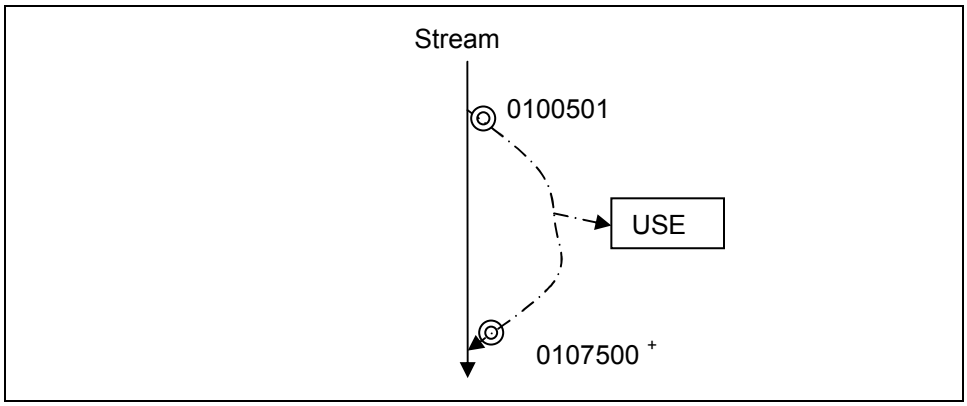
	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	0100501	1		Q					Natural stream diverted
1b	0100501	1		#	R				Use record

[+] - The option to record SOURCE and USE information through two different records is presented here for clarity, but has not been repeated for each potentially similar scenario in the following sections.

- Valid USE Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	~~Q~~	~~Quantification of amount~~
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Natural stream flow - excess tailwater released back to stream



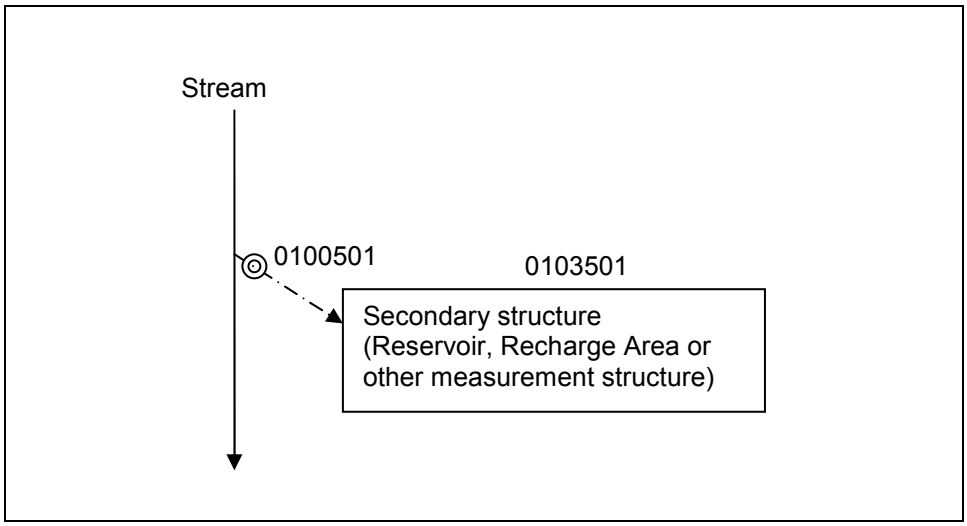
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100501	1		1					Entire diversion credited to irrigation USE
2	0107500	1	0100501	Q	E				Amount of tail in excess of that required to effectively operate ditch

OR+

	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	0100501.001	1		1					Entire diversion credited to irrigation USE
2a	0100501.002	1	0100501.001	Q	E				Amount of tail in excess of that required to effectively operate ditch

Natural stream flow diverted to second structure



Water Class Coding

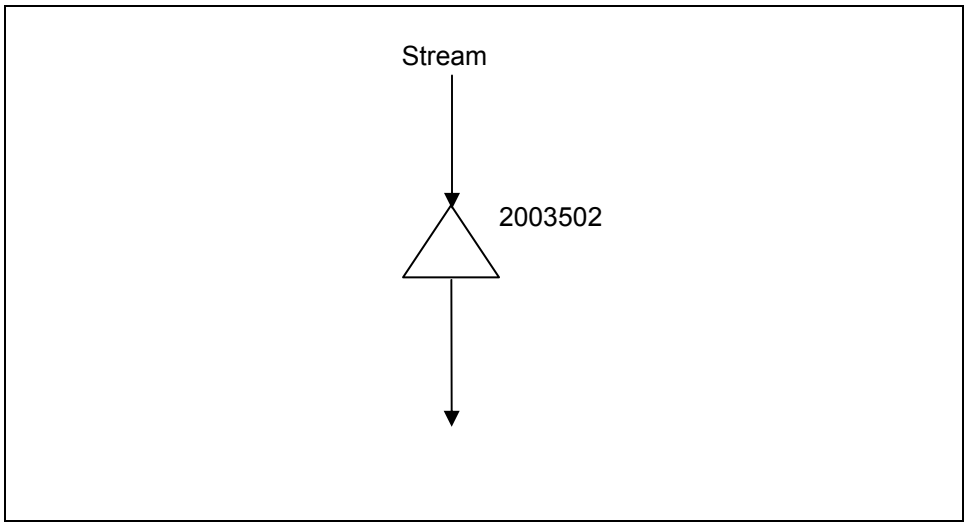
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100501	1		Q					Natural stream diverted by carrier ditch
2	0103501	1	0100501	#					Second diversion

If # = “Q”, additional record of beneficial USE is required.

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Natural stream flow to on-stream reservoir



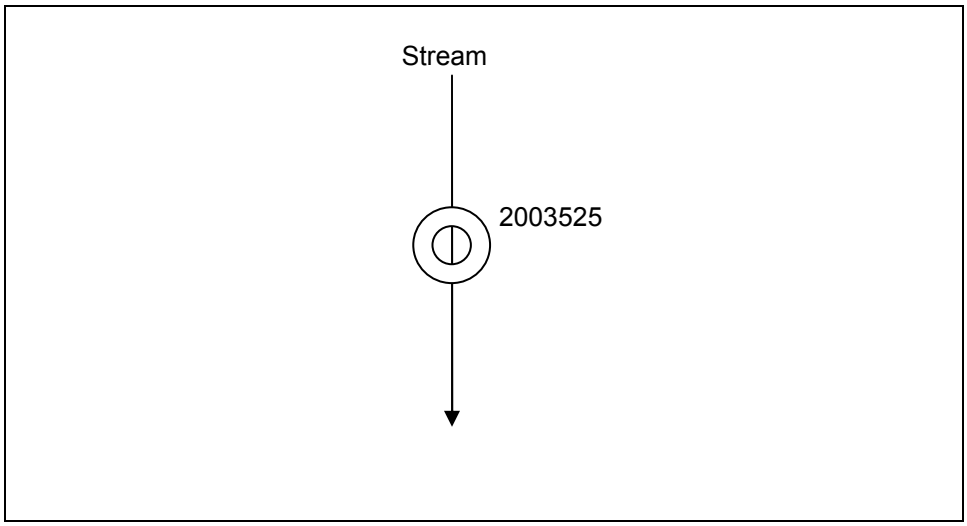
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003502	1		#					On-stream reservoir

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
9	Stock	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Natural stream flow to in-stream use



Water Class Coding

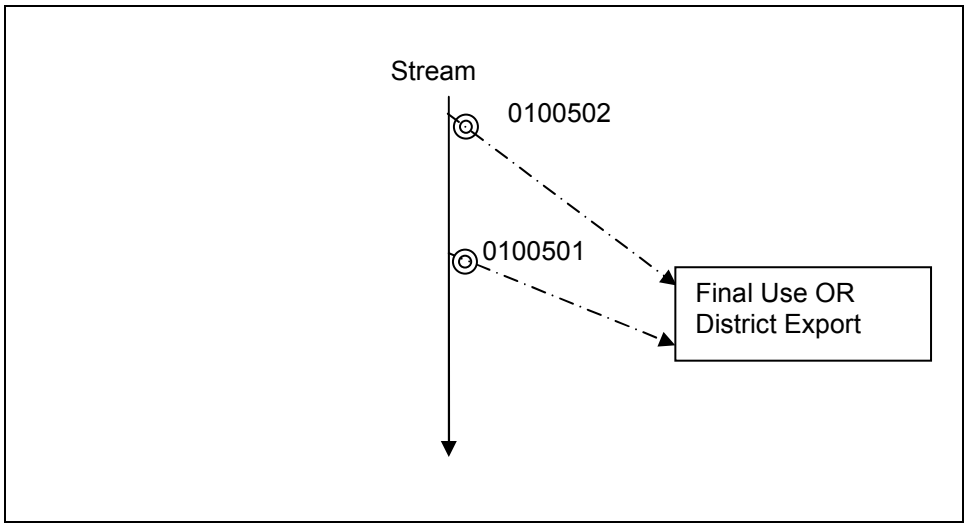
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003525	1		#					In-stream use

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	F	Federal reserved
~~2~~	~~Municipal~~	G	Geothermal
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
9	Stock	~~S~~	~~Export from State~~
A	Augmentation	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Simple diversion from stream at an alternate point

Natural stream flow diverted at an alternate point of diversion for direct use



Water Class Coding

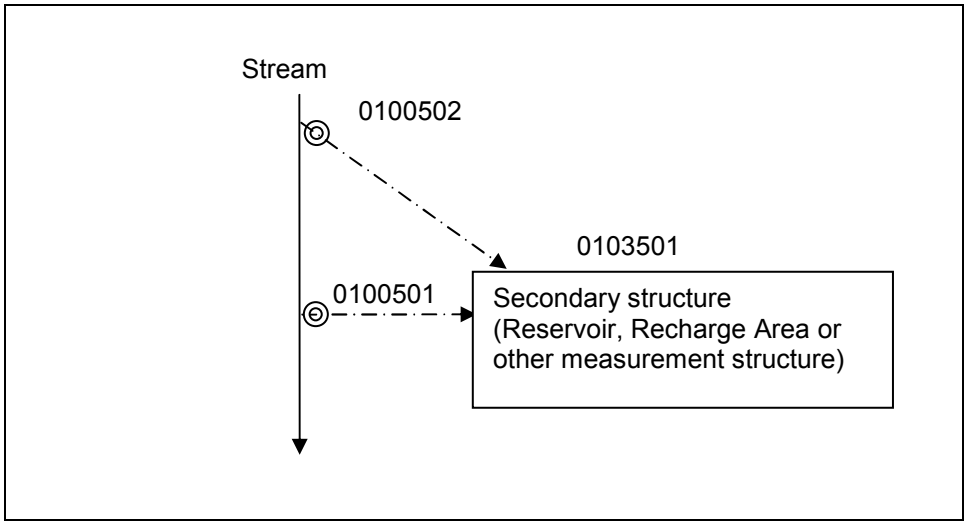
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100502	1	0100501	#	4				Direct USE at APOD

If # = "Q", additional record of beneficial USE is required.

- Valid Use Codes

~~0~~	~~Storage~~	E	Evaporation
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	~~Q~~	~~Quantification of amount~~
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Natural stream flow diverted at an alternate point of diversion to second structure



Water Class Coding

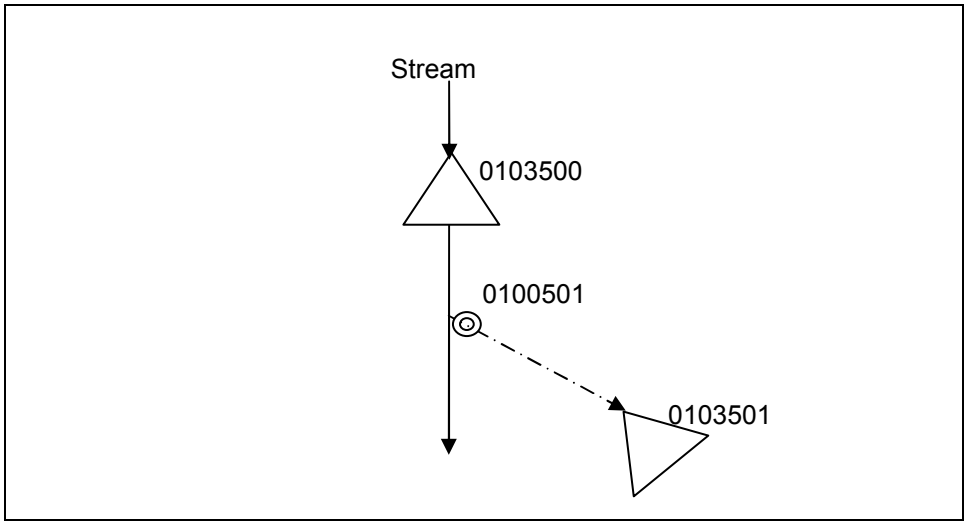
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100502	1	0100501	Q	4				Diversion at APOD
2	0103501	1	0100502	#					USE record

If # = “Q”, additional record of beneficial USE is required.

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

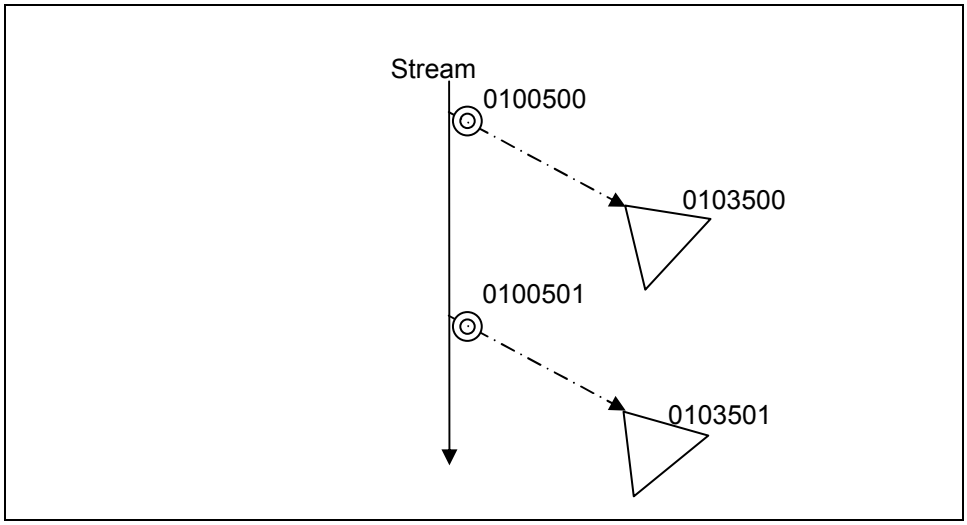
Natural stream flow stored in on-stream structure as an alternate point of storage



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0103500	1	0103501	0	4				Storage at APOD

Natural stream flow stored in off-stream structure as an alternate point of storage



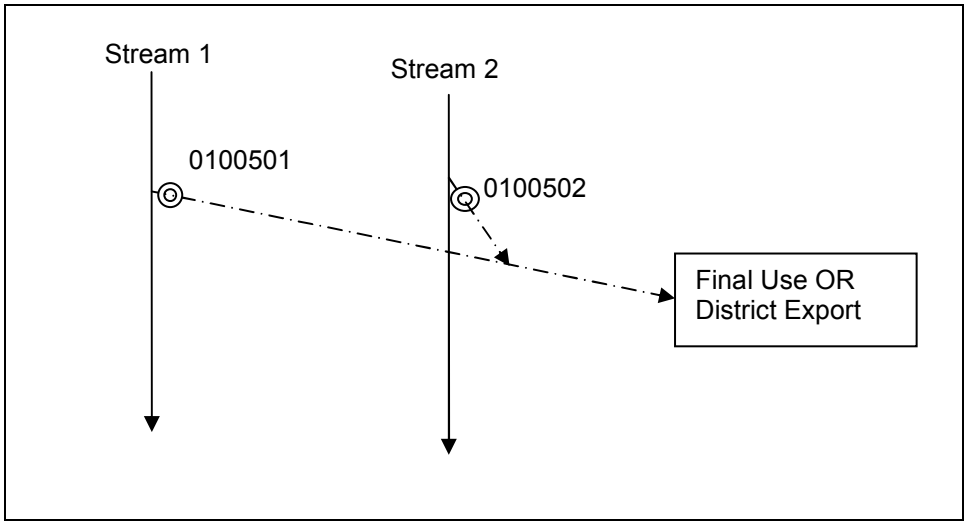
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100500	1		Q	R		(0103500)		Natural stream flow diverted and carried to 0103500
3	0103500	1	0103501	0	4				Natural stream flow received by 0103500

( ) – Optional information

Simple diversion from two different streams

Natural stream flow diverted from two different streams for direct use



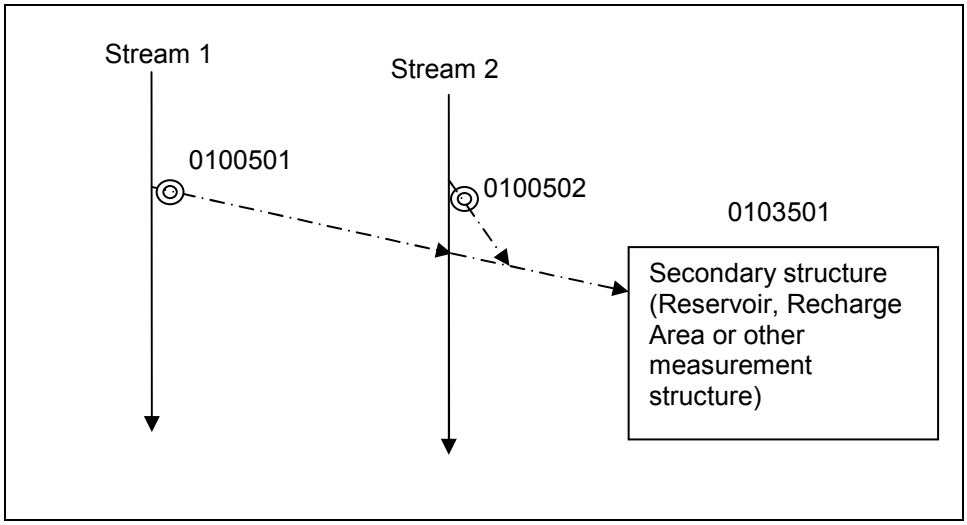
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100501	1		#					USE from stream1
2	0100502	1		#					USE from stream2

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Natural stream flow diverted from two different streams to second structure



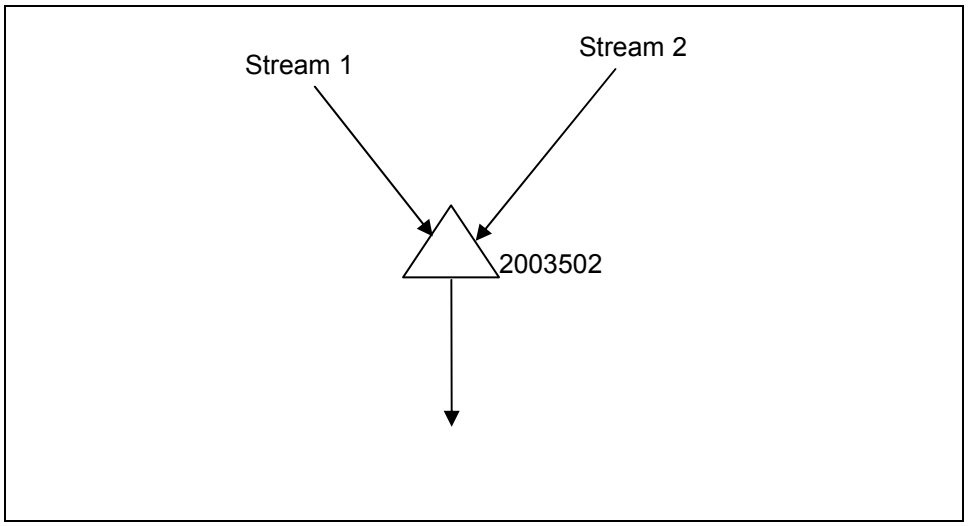
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100501	1		Q					Diversion from stream 1
2	0100502	1		Q					Diversion from stream 2
3	0103501	1	0100501	#					USE from 0100501
4	0103501	1	0100502	#					USE from 0100502

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Natural stream flow to on-stream storage from multiple streams



Water Class Coding

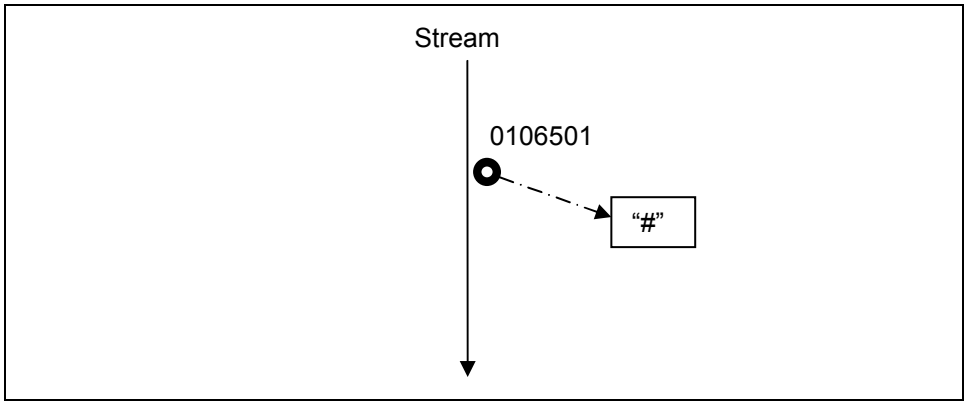
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003502	1		#					On-stream reservoir from 2 streams

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
9	Stock	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Simple diversion by head gate well+

Natural stream flow diverted to final use or district export



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0106501	1		#					Natural stream diverted to direct use or district export

+ - Well must either be decreed or permitted by State Engineer as a "head gate well" that is able to divert the natural stream without delayed depletions.

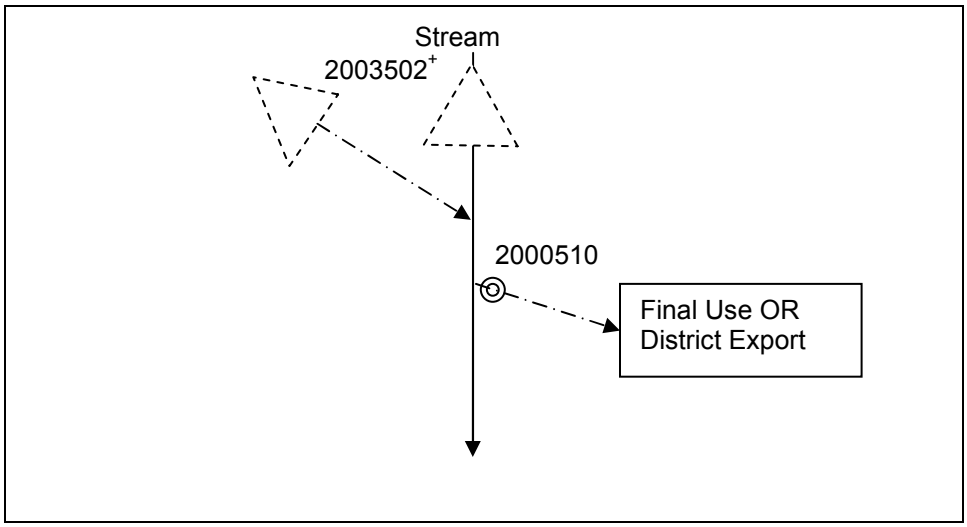
- Valid USE Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	~~Q~~	~~Quantification of amount~~
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

RESERVOIR RELEASES

Reservoir releases to stream

Reservoir release diverted downstream for direct use



+ - Coding is the same for both on-stream and off-stream reservoir.

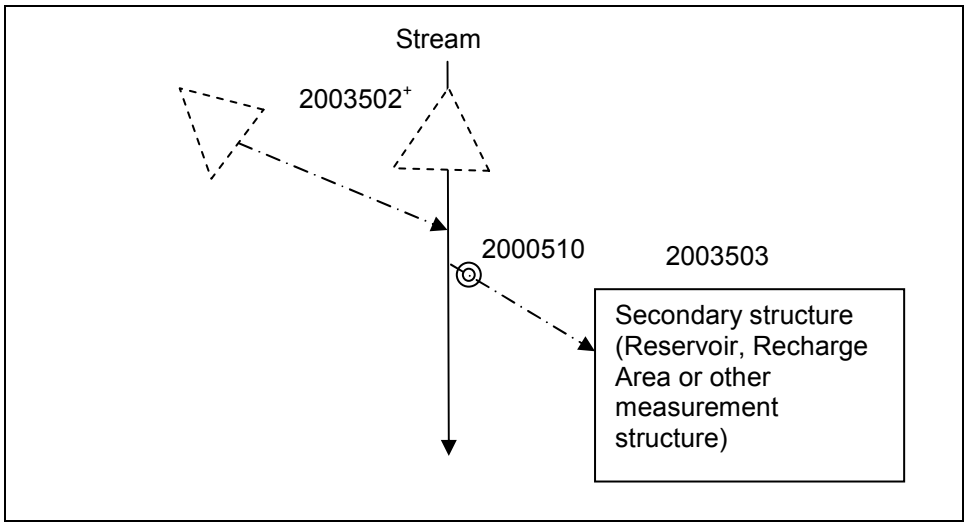
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003502	2		Q	7				Release to stream
2	2000510	2	2003502	#					Diversion and USE of released water

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Reservoir release diverted downstream to a second structure



+ - Coding is the same for both on-stream and off-stream reservoir.

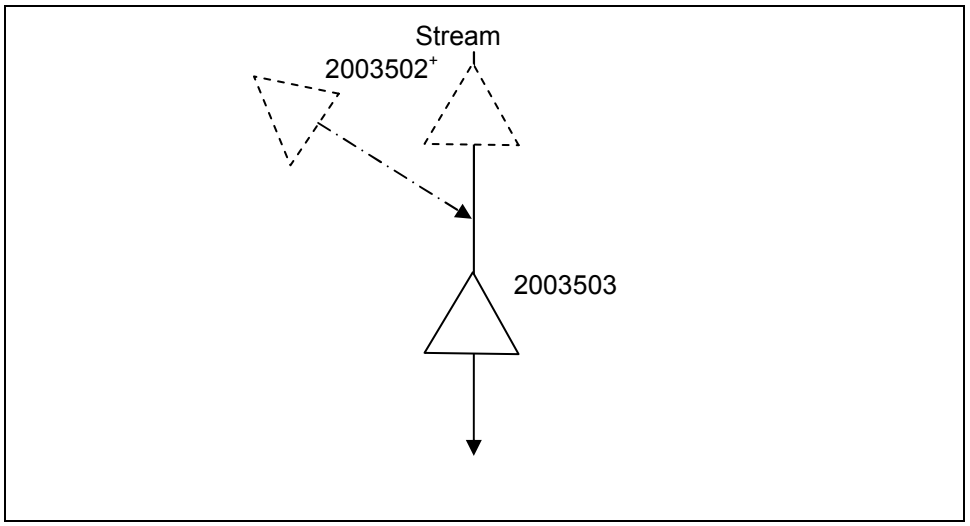
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003502	2		Q	7				Release to stream
2	2000510	2	2003502	Q					Diversion of released water
3	2003503	2	2003502	#					USE record

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Reservoir release diverted downstream into on-stream storage



+ - Coding is the same for both on-stream and off-stream releasing reservoir.

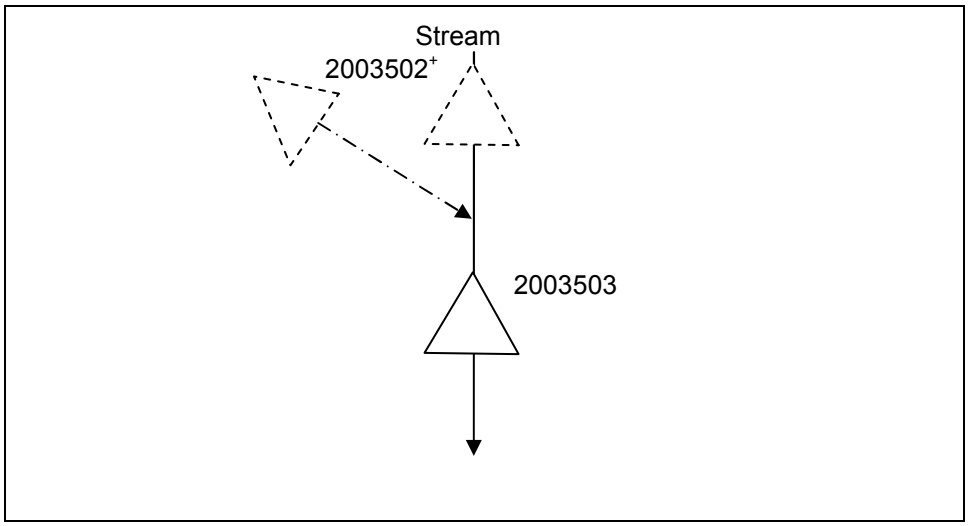
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003502	2		Q	7				Release to stream
2	2003503	2	2003502	#					Stored in on-stream reservoir

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	P	Power generation
~~7~~	~~Fire~~	~~Q~~	~~Quantification of amount~~
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other–Specify Use w/Comment~~

Reservoir release of dominion and control



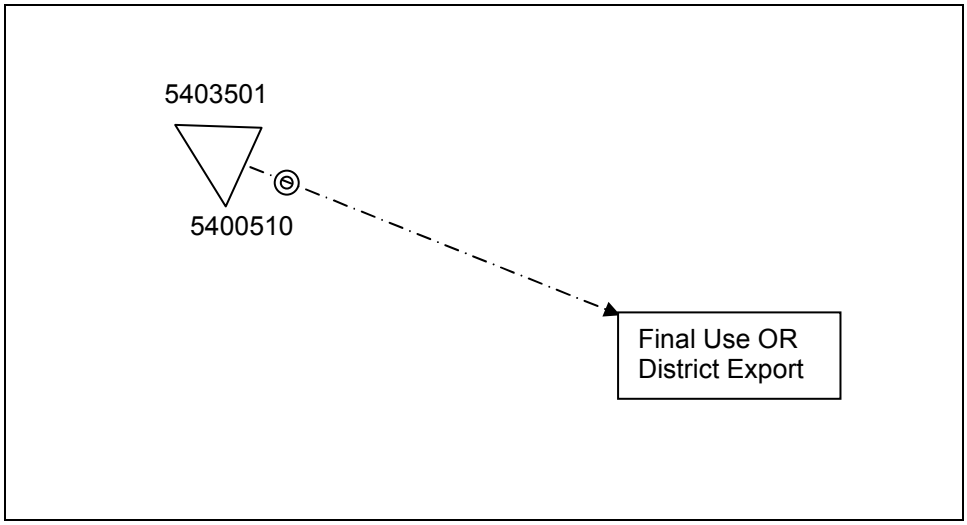
+ - Coding is the same for both on-stream and off-stream releasing reservoir.

Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003502	2		Q	L				Relinquishment of dominion and control

Reservoir release off-stream

Reservoir release to final use; water never enters natural stream



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	5403501	2		Q	8				Release off-stream
2	5400510	2	5403501	#					USE record

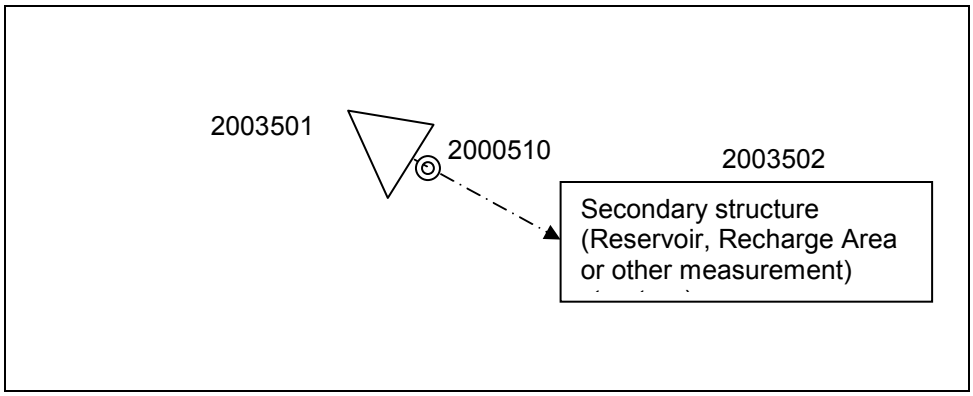
OR, if there is only one outlet from the reservoir, then the following could be used.

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	5403501	2		#	8				Release off-stream

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Reservoir release to second structure; water never enters natural stream



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003501	2		Q	8				Release off-stream
2	2000510	2	2003501	Q					Quantified through structure
3	2003502	2	2003501	#					USE record

OR, if there is only one outlet from the reservoir, then the following could be used.

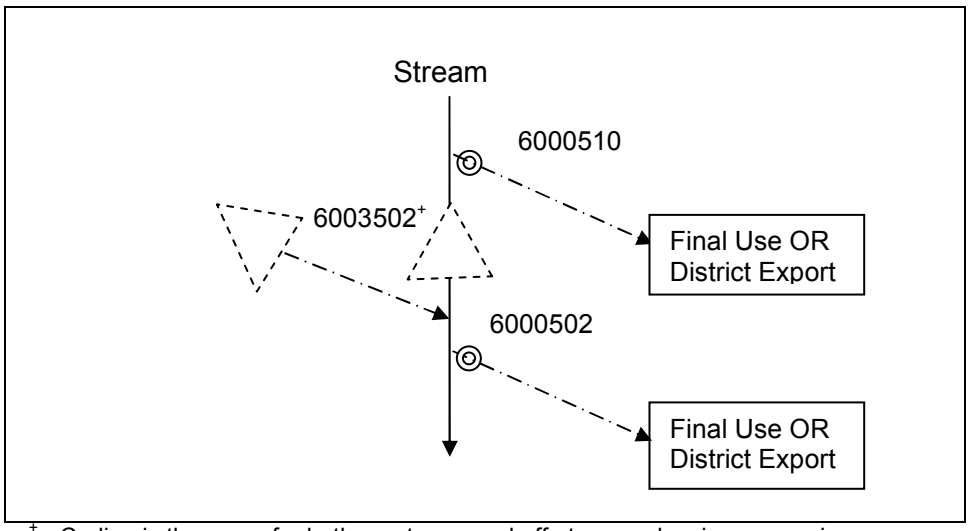
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2003501	2		Q	8				Release off-stream
2	2003502	2	2003501	#					USE record

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Reservoir release diverted by exchange

Reservoir release diverted by exchange for direct use



+ - Coding is the same for both on-stream and off-stream releasing reservoir.

Water Class Coding

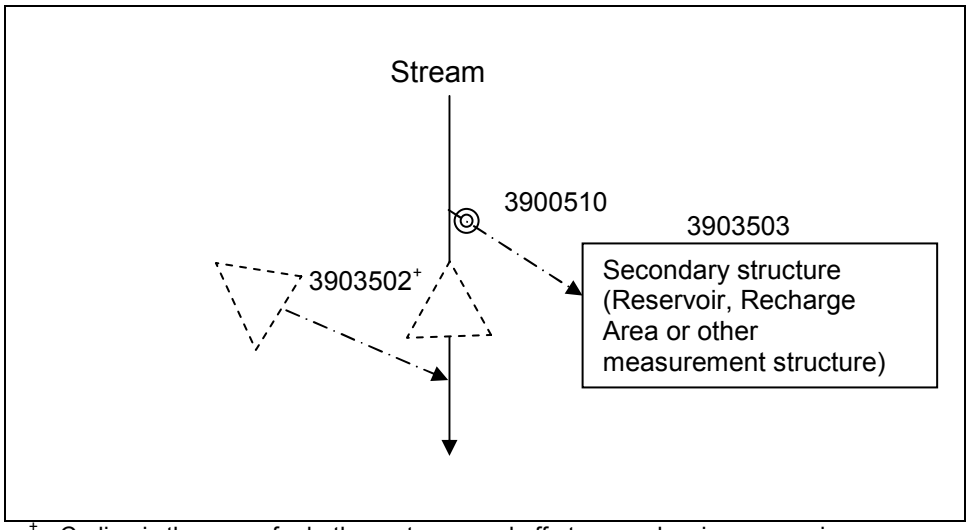
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	6003502	2		Q	7		(6000510)		Release replacement supply
2	6000510	2	6003502	#	1				Exchange and USE
3	6000502	1		#					Priority water diverted to USE

( ) – Optional information

- Valid Use Codes

~~0~~	~~Storage~~	E	Evaporation
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Reservoir release diverted by exchange to second structure



+ - Coding is the same for both on-stream and off-stream releasing reservoir.

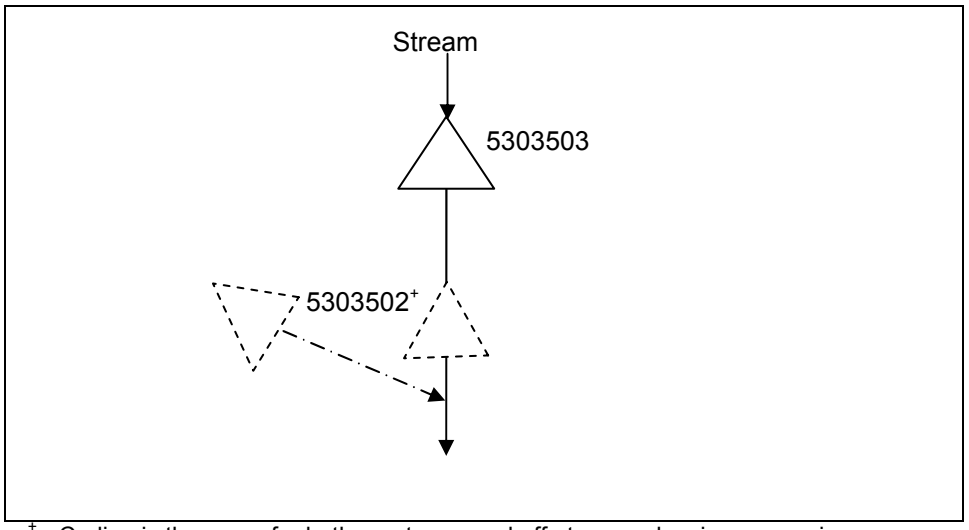
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	3903502	2		Q	7		(3900510)		Release replacement supply
2	3900510	2	3903502	Q	1				Exchange diversion
3	3903503	2	3903502	#					USE record

- Valid Use Codes

~~0~~	~~Storage~~	E	Evaporation
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Reservoir release diverted by exchange to an on-stream reservoir



+ - Coding is the same for both on-stream and off-stream releasing reservoir.

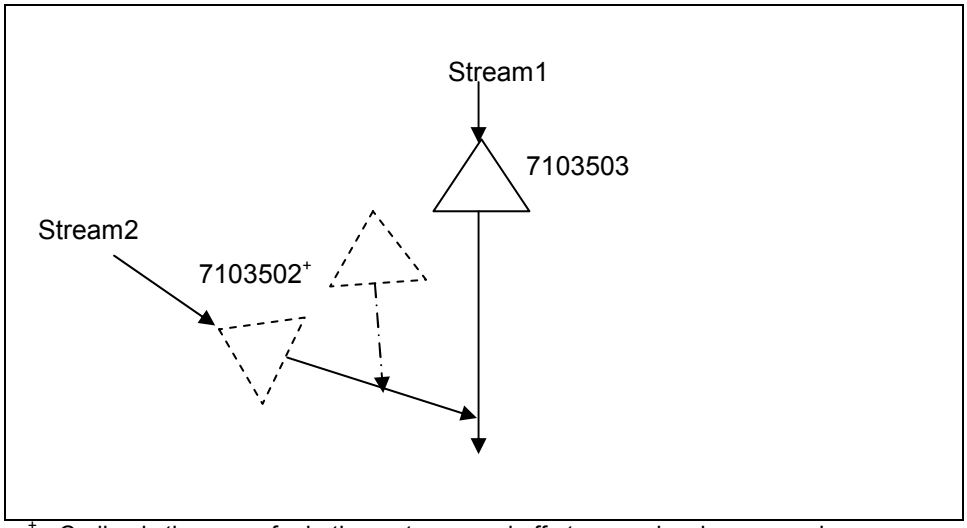
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	5303502	2		Q	7		(5303503)		Release for exchange
2	5303503	2	5303502	#	1				Exchange stored

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	~~Q~~	~~Quantification of amount~~
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other--Specify Use w/Comment~~

Reservoir release diverted by exchange to on-stream reservoir on a different stream



+ - Coding is the same for both on-stream and off-stream releasing reservoir.

Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	7103502	2		Q	7				Release replacement supply
2	7103503	2	7103502	#	1				Exchange stored

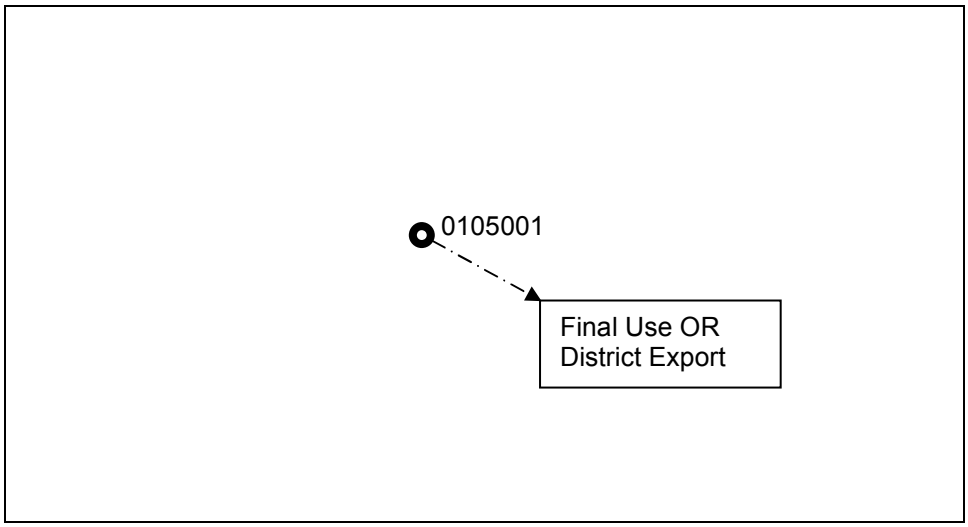
- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	~~Q~~	~~Quantification of amount~~
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other- Specify Use w/Comment~~

GROUND WATER PUMPING/RELEASE

Ground water to direct use

Ground water to final use



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0105001	3		#					Ground water to USE; no augmentation required

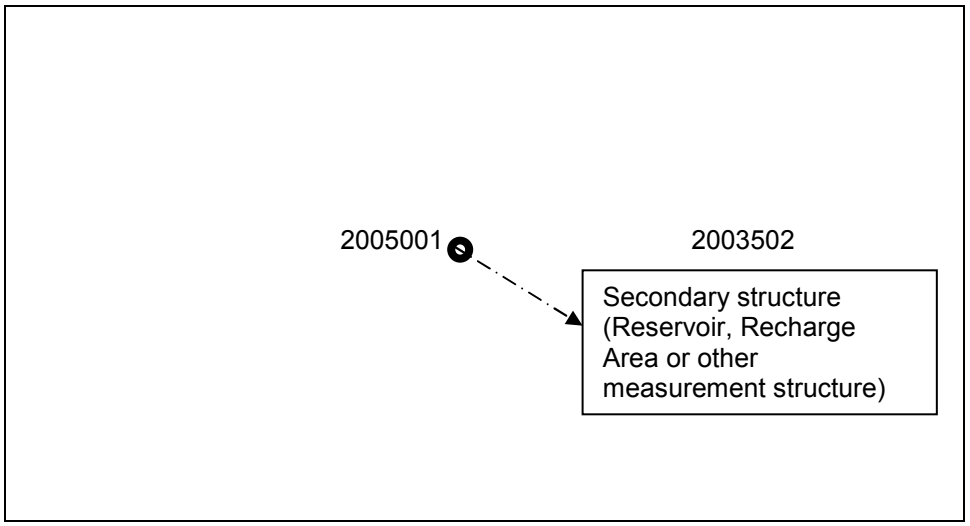
OR, if pumping authorized by replacement plan:

	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	0105001	3		#	A	0103300			Ground water to USE; pumping authorized by plan

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Ground water to second structure



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2005001	3		Q					Ground water diversion
2	2003502	3	2005001	#					USE record

OR, if pumping is pursuant to replacement plan, row 1 would be:

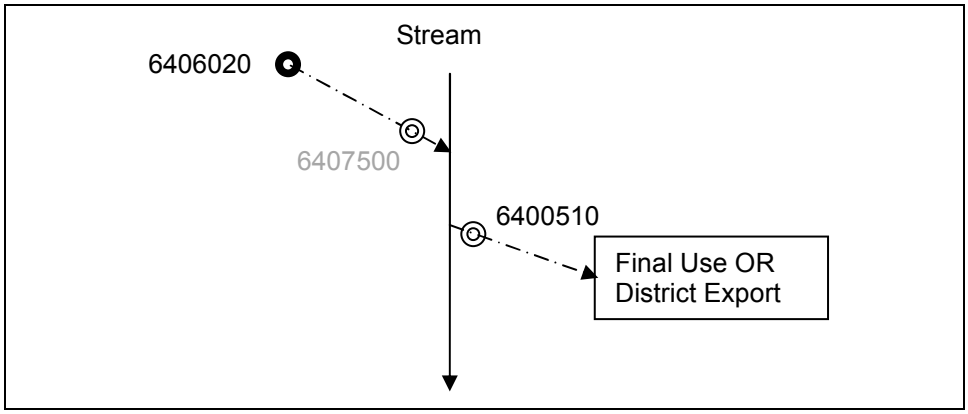
	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	2005001	3		Q	A	2003333			Ground water diversion authorized by plan

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Ground water releases to stream

Ground water released for diversion to direct use downstream



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	6406020	3		Q					Ground water diversion
2	6407500	3	6406020	Q	7				Ground water released to stream
3	6400510	3	6406020	#					USE record

OR, if delayed depletions from pumping well, row 1 would be:

	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	6406020	3		Q	A	6403335			Ground water diversion pursuant to plan

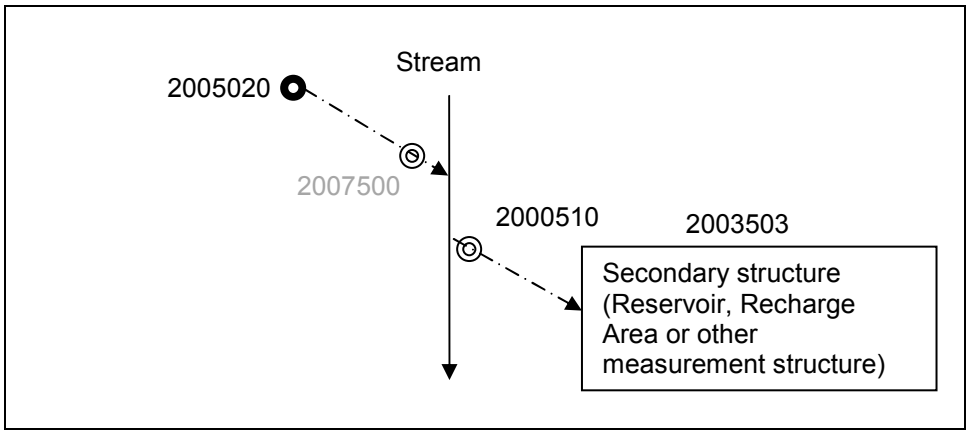
OR, Accounts could be used instead of assigning a WDID to release point:

	WDID.ACCT	S	F	U	T	G	2	O	Description
2a	6406020.002	3	6406020.001	Q	7				Release record

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	~~G~~	~~Geothermal~~
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
~~C~~	~~Change of Use Return Flows~~	Z	Other–Specify Use w/Comment

Ground water release diverted downstream to second structure



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2005020	3		Q					Ground water diversion
2	2007500	3	2005020	Q	7				Ground water release to stream
3	2000510	3	2005020	Q					Diversion from stream
4	2003503	3	2005020	#					USE record

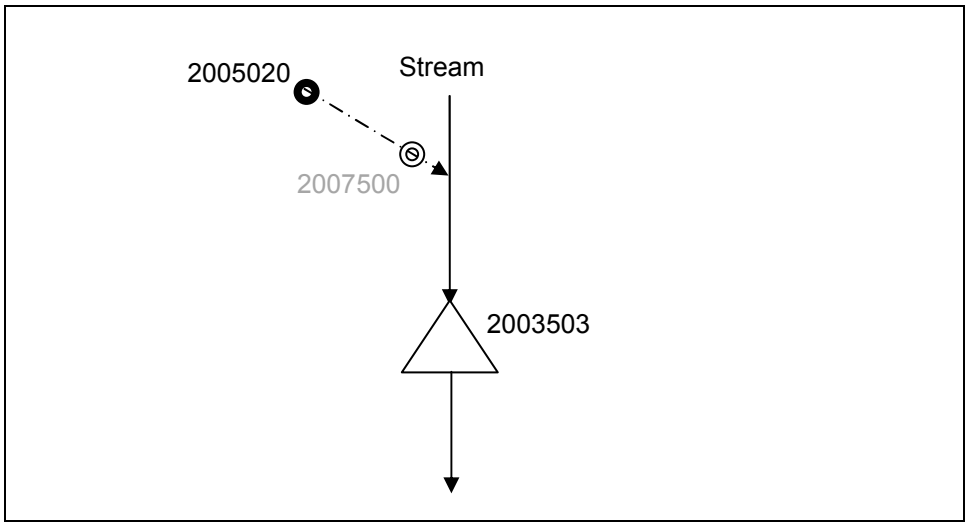
OR, if delayed depletions from pumping well, row 1 would be:

	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	2005020	3		Q	A	2003335			Ground water diversion pursuant to plan

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	~~G~~	~~Geothermal~~
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Ground water release stored in on-stream reservoir



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2005020	3		Q					Ground water diversion
2	2007500	3	2005020	Q	7				Ground water release to stream
3	2003503	3	2005020	#					USE record

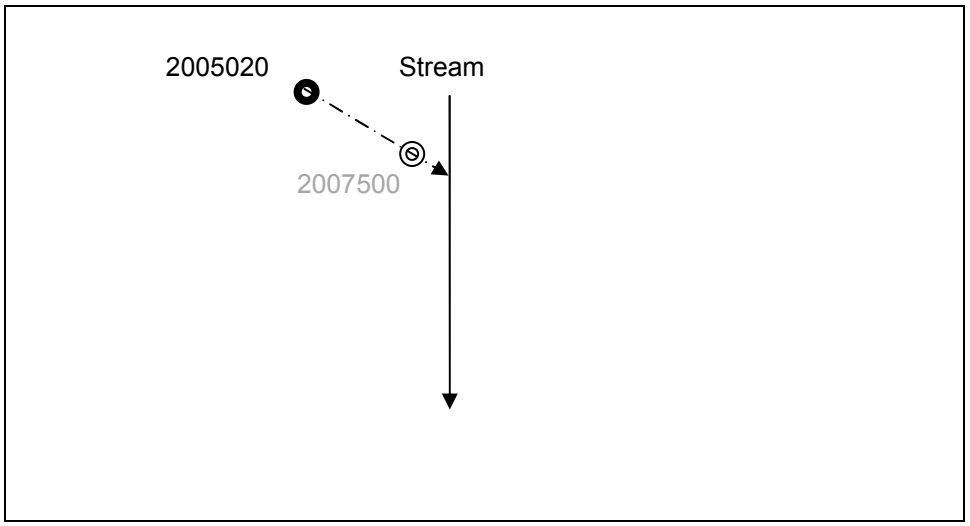
OR, if delayed depletions from pumping well, row 1 would be:

	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	2005020	3		Q	A	2003335			Ground water diversion pursuant to plan

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	~~Q~~	~~Quantification of amount~~
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other-Specify Use w/Comment~~

Ground water release of dominion and control



Water Class Coding

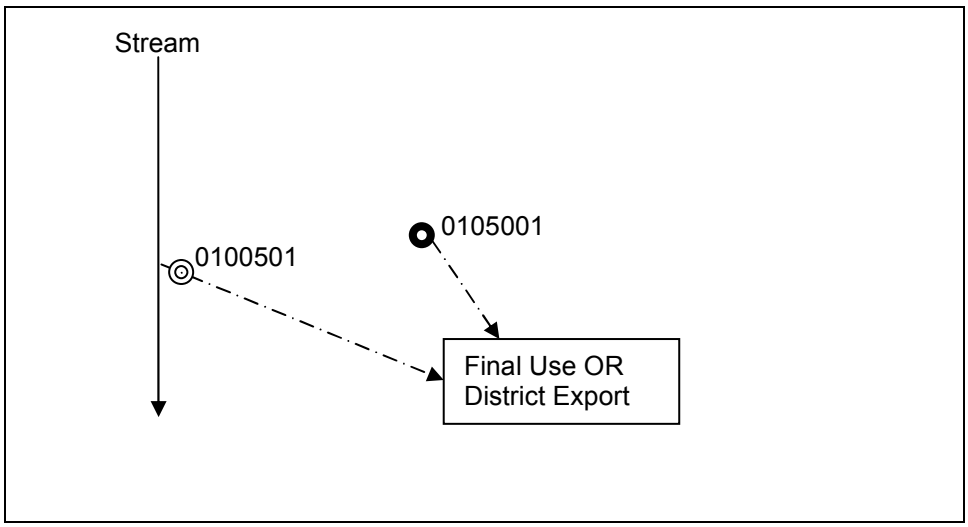
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2005020	3		Q					Ground water diversion
2	2007500	3	2005020	Q	L				Ground water release

OR, if delayed depletions from pumping well, row 1 would be:

	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	2005020	3		Q	A	2003335			Ground water diversion

Ground water pumped as an alternate point of diversion

Ground water to final use; well is APOD to a ditch



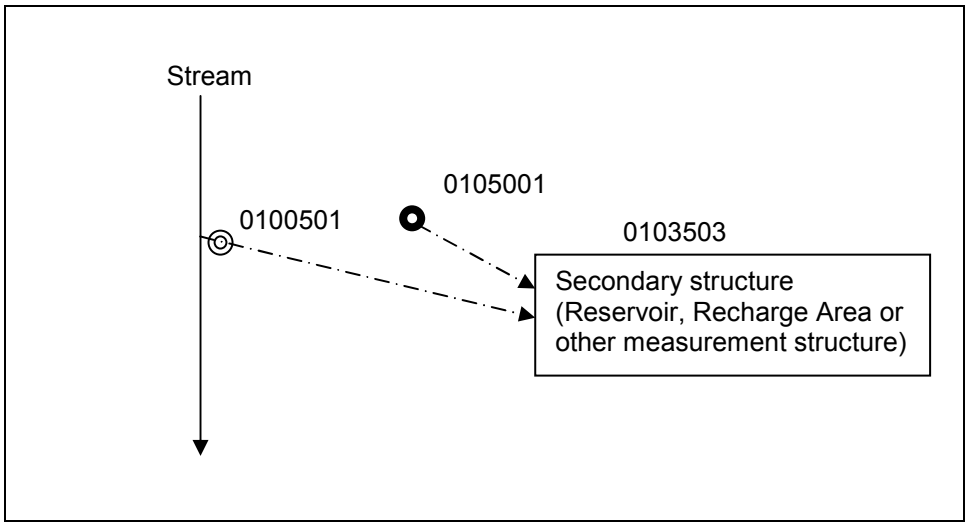
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0105001	3	0100501	#	4				Ground water diverted as APOD to in-priority ditch and put to USE

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Ground water to second structure; well is APOD to a ditch



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0105001	3	0100501	Q	4				Ground water diverted as APOD to in-priority ditch
2	0103503	3	0105001	#					USE record

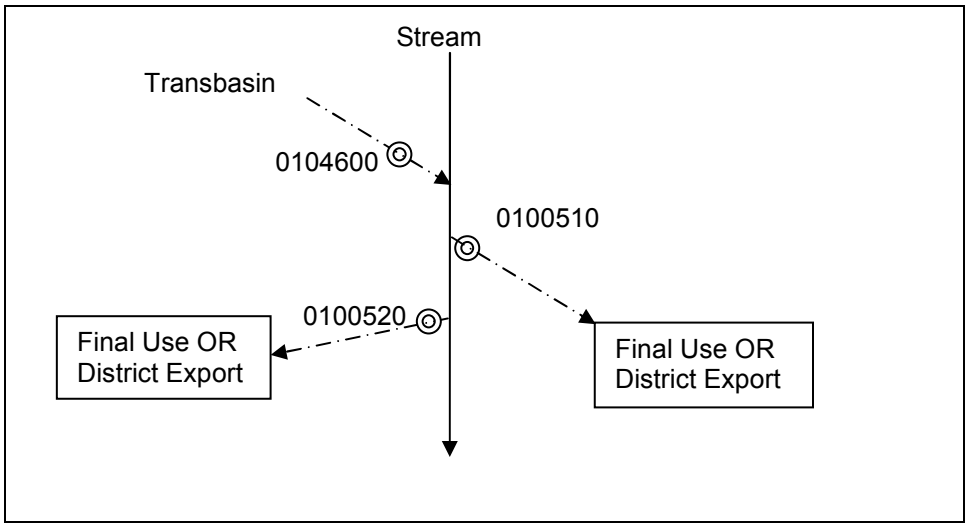
- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

TRANSBASIN DIVERSIONS

Transbasin releases to stream

Transbasin release diverted downstream for direct use



Water Class Coding

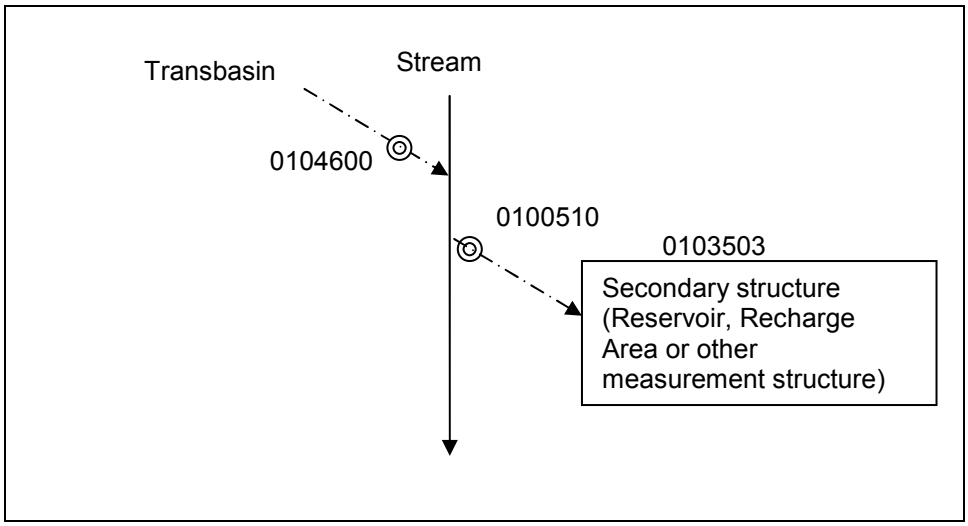
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4	(5104444)	Q	7				Transbasin release
2	0100510	1		#					Natural stream flow diverted to USE
3	0100520	4	0104600	#					Transbasin water diverted by ditch to USE

( ) – Optional information

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Transbasin release diverted to second structure



Water Class Coding

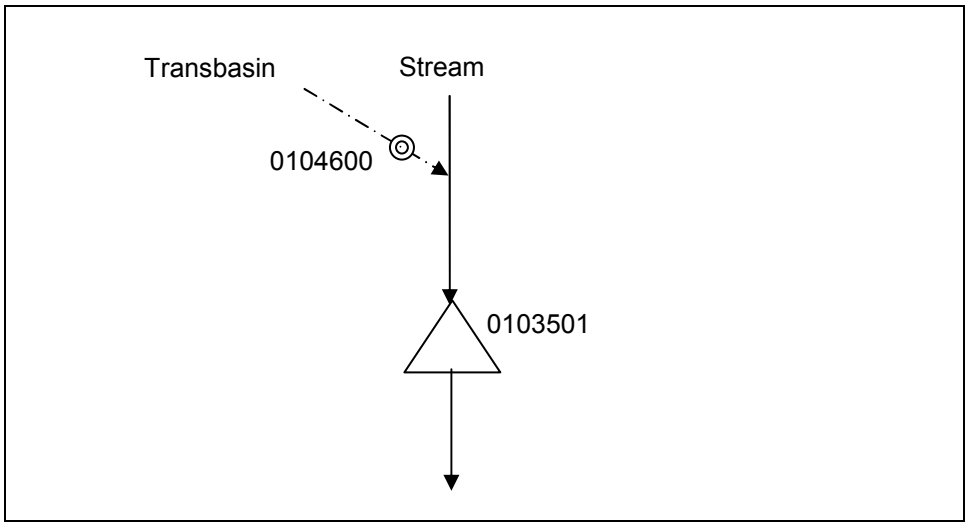
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4	(5104444)	Q	7				Transbasin release
2	0100510	4	0104600	Q					Transbasin water diverted
3	0103503	4	0104600	#					USE record

( ) – Optional information

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Transbasin release stored in on-stream reservoir



Water Class Coding

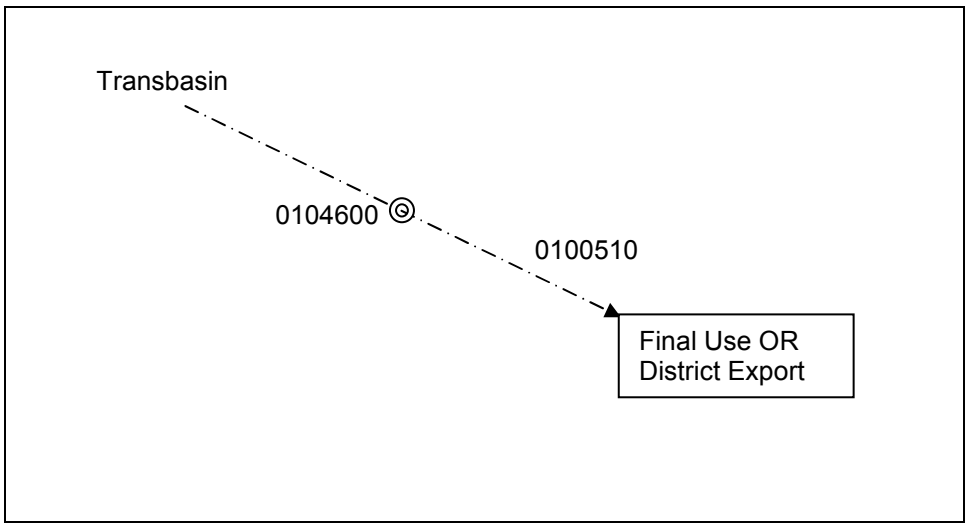
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4		Q	7				Transbasin release
2	0103501	4	0104600	#					Transbasin water diverted to USE in on-stream reservoir

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other- Specify Use w/Comment~~

Transbasin release off-stream

Transbasin released off-stream to final use



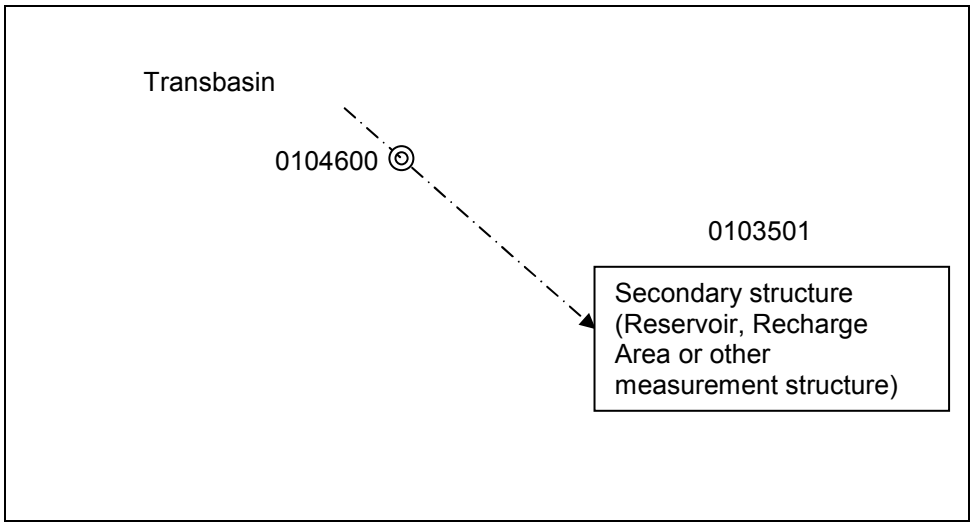
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4		Q	8				Transbasin release off-stream
2	0100510	4	0104600	#					USE record

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Transbasin released offstream to a second structure



Water Class Coding

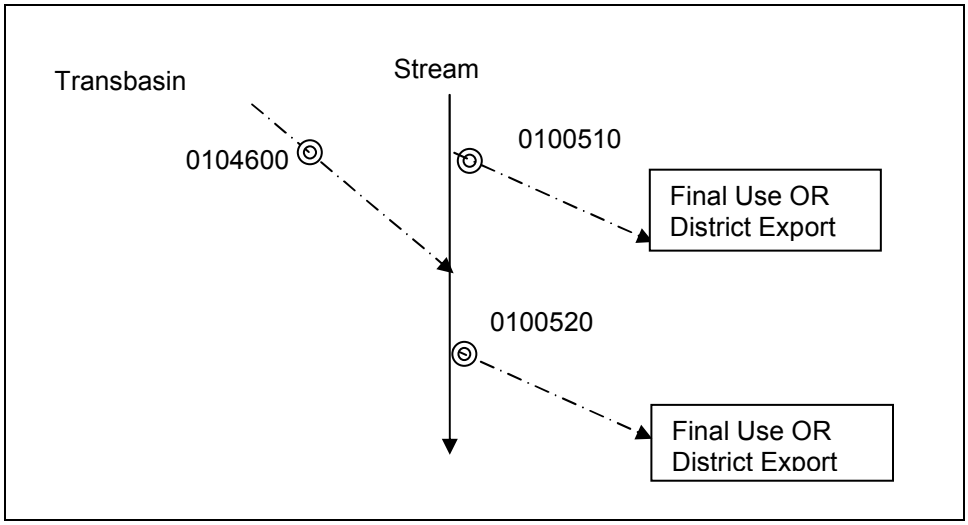
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4		Q	8				Transbasin release off-stream
2	0103501	4	0104600	#					USE record

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Transbasin release diverted by exchange

Transbasin release diverted by exchange to direct use.



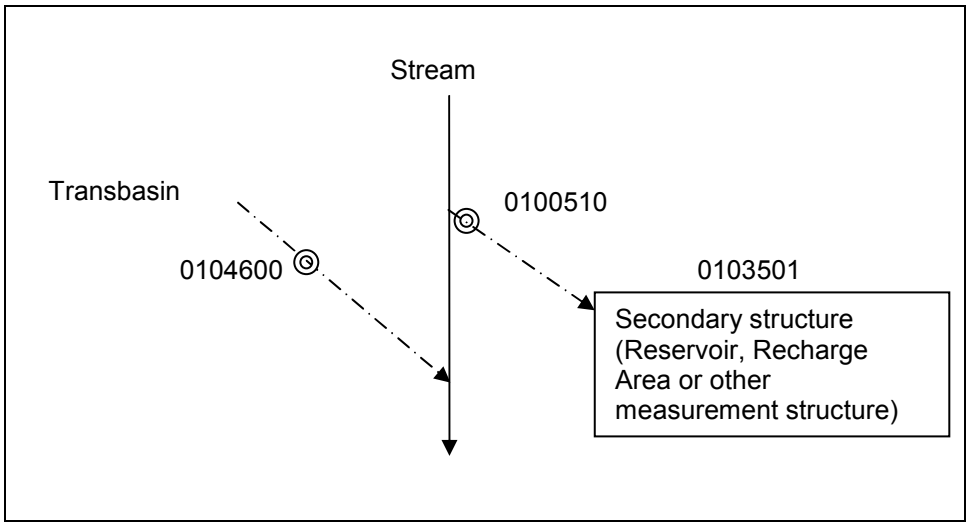
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4		Q	7				Transbasin release for exchange
2	0100510	4	0104600	#	1				Exchange and USE
3	0100520	1		#					Natural stream diverted to USE

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Transbasin release diverted by exchange to second structure



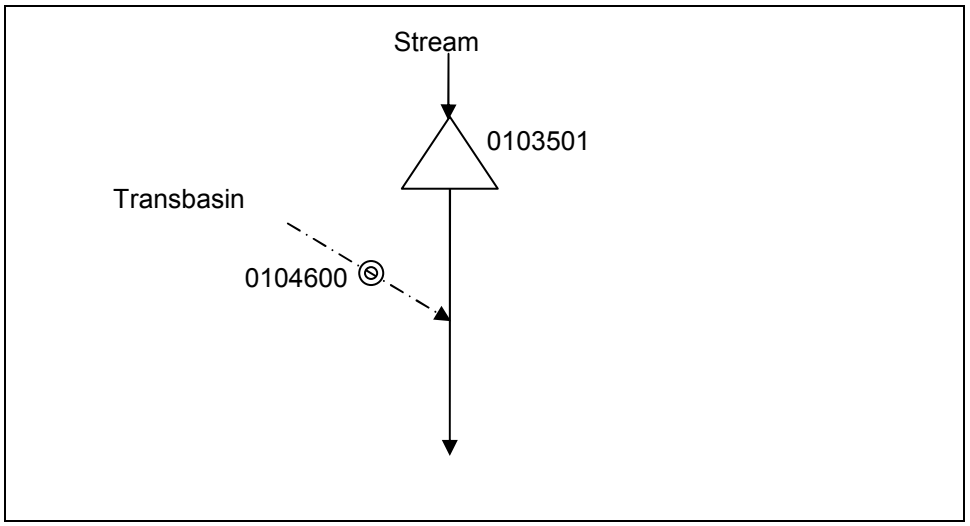
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4		Q	7				Transbasin release for exchange
2	0100510	4	0104600	Q	1				Exchange diversion
3	0103501	4	0104600	#					USE record

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Transbasin release diverted by exchange to on-stream reservoir



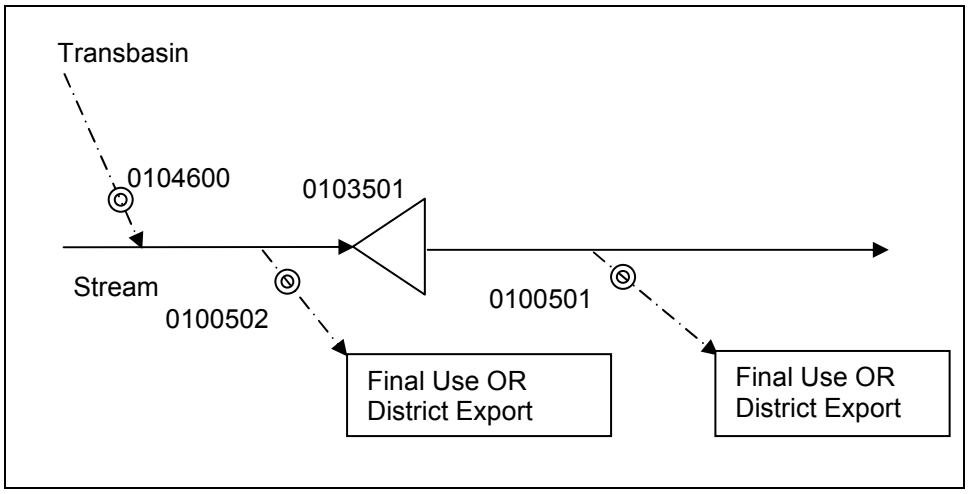
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4		Q	7				Transbasin release for exchange
2	0103501	4	0104600	#	1				Exchange and USE

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	~~Q~~	~~Quantification of amount~~
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other- Specify Use w/Comment~~

Transbasin complex

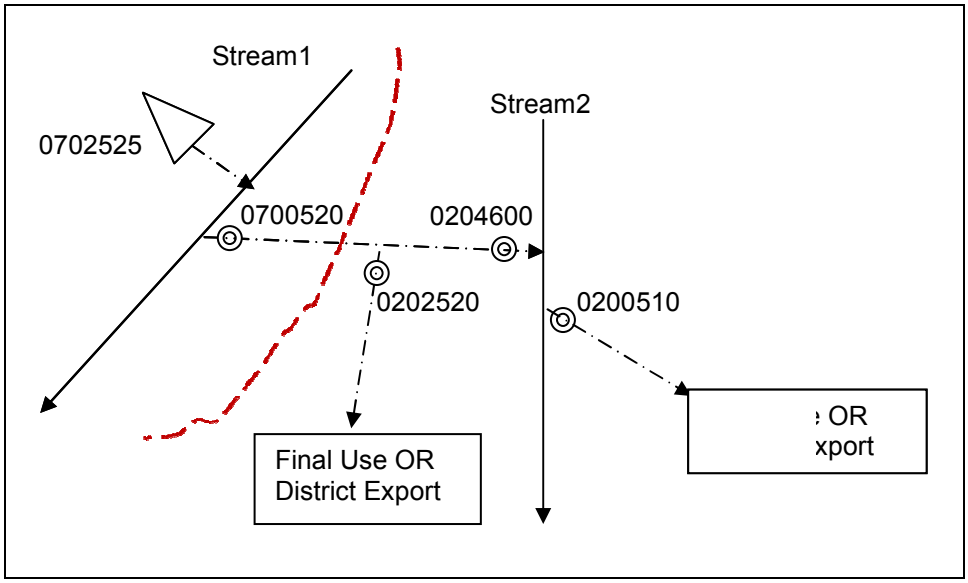


Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104600	4	(0200555)	Q	7				Transbasin release to stream
2	0103501.004	4	0104600	0					Transbasin water stored in “Transbasin” reservoir account
3	0103501.001	1		0					Natural stream stored in reservoir
4	0100502	4	0104600	1					Transbasin water diverted to USE
5	0100502	1		1					Natural stream flow diverted to USE
6	0103501.001	2		Q	7				Reservoir release from “Native Flow” account
7	0100502	2	0103501.001	1	1				Diversion of “Native Flow” account release by Exchange and USE
8	0103501.004	2		Q	7				Reservoir water from transbasin account released for Exchange
9	0100502	2	0103501.004	1	1				Reservoir water from transbasin account diverted by Exchange and put to USE
10	0100501	4	0104600	1					Transbasin water that was not stored in reservoir diverted to USE
11	0100501	1		1					Natural stream to USE

( ) – Optional information

DIVERSION OF SUB-BASIN EXPORT



Water Class Coding

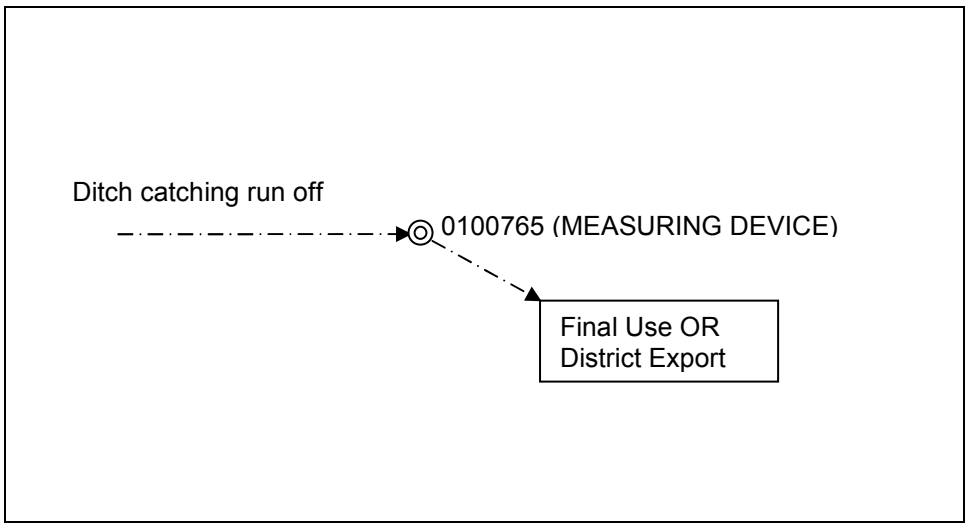
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0702525	2		Q	7				Reservoir release to stream
2	0700520	2	0702525	B					Reservoir release diverted and exported from sub-basin
3	0700520	1		B					Natural stream flow diverted and exported from sub-basin
4	0202520	2	0702525	#					Exported reservoir water diverted to USE
5	0204600	1	0700520	Q	7				Exported natural stream flow released to stream
6	0200510	1	0700520	#					Exported natural stream flow diverted to USE

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

NON-STREAM DIVERSIONS

Non-stream run-off to final use



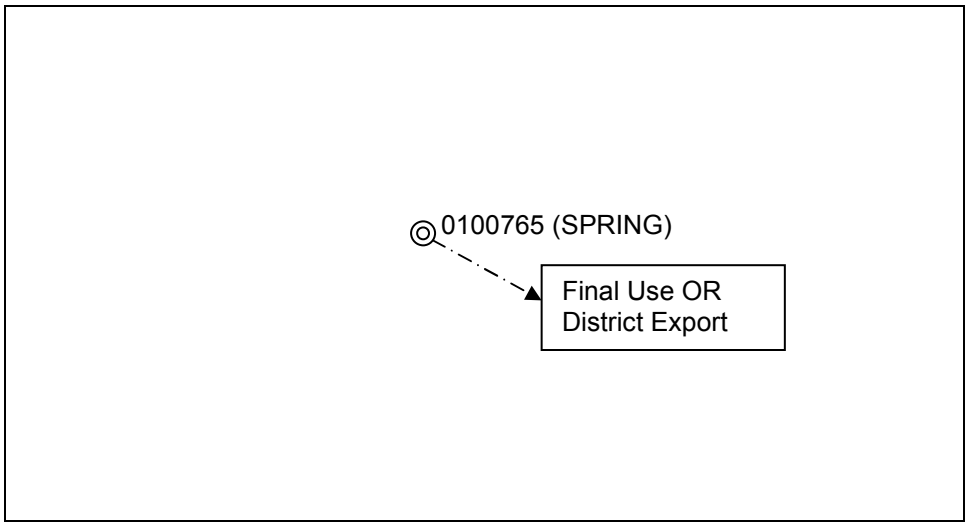
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100765	5		#					Non-stream flow to USE

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Non-stream spring to final use



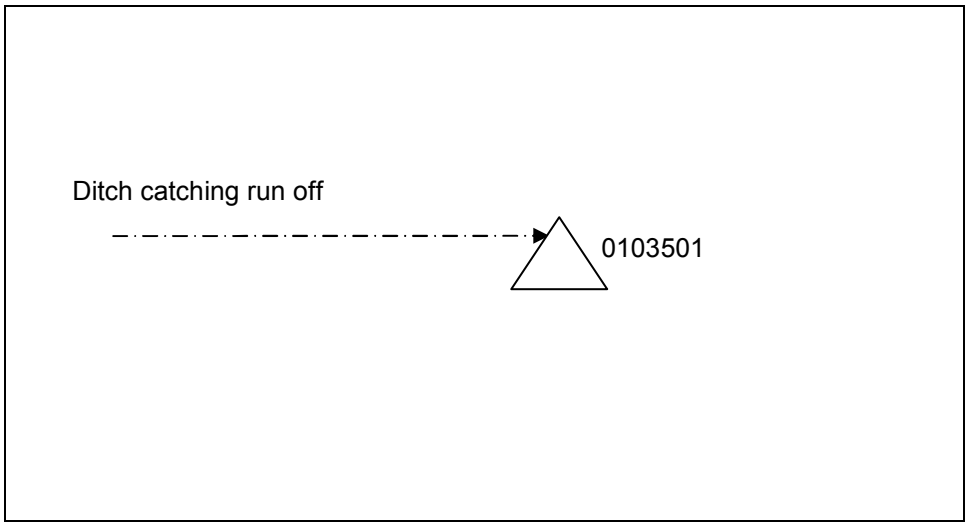
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100765	5		#					Spring diverted to USE

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	F	Federal reserved
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Non-stream run-off to storage



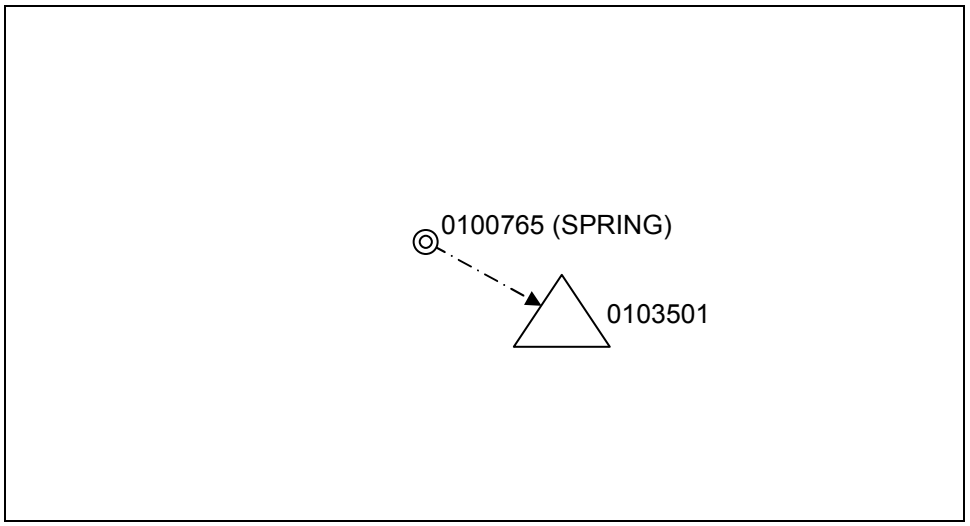
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0103501	5		#					Non-stream flow to storage

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other–Specify Use w/Comment~~

Non-stream spring to storage



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100765	5		Q					Non-stream diversion
2	0103501	5	0100765	#					Non-stream flow to USE

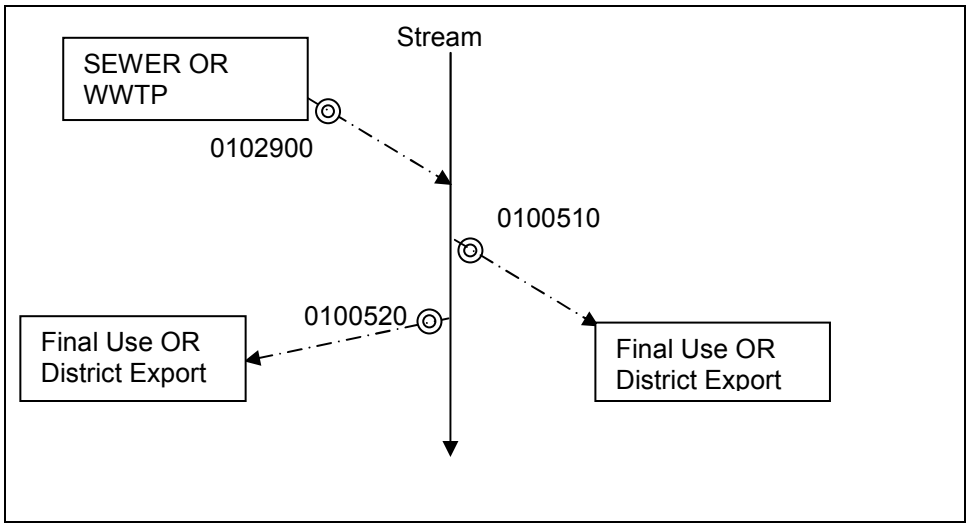
- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other- Specify Use w/Comment~~

RE-USABLE RELEASES

Re-usable releases to stream

Re-usable water release diverted for direct use



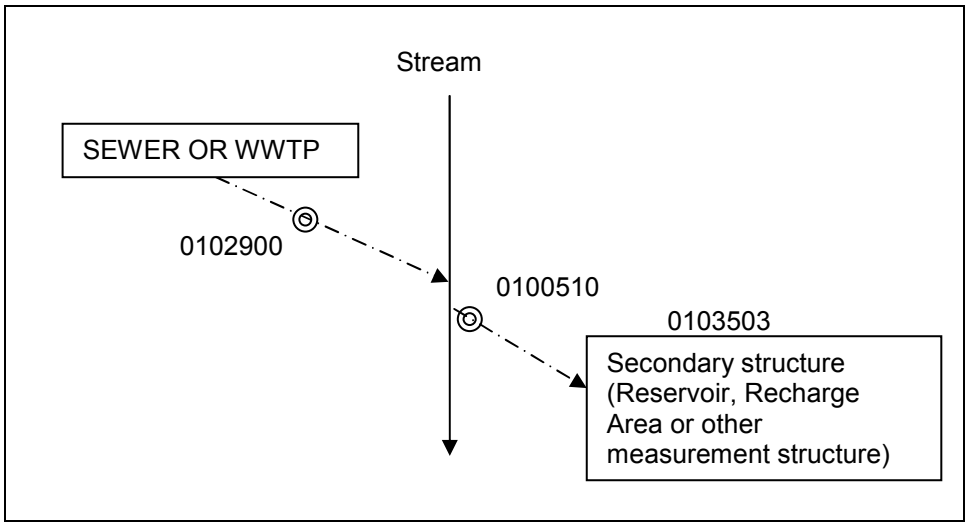
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	7				Re-usable water released to stream
2	0100510	1		#					Natural stream flow diverted to USE
3	0100520	8	0102900	#					Re-usable release diverted to USE

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Re-usable water release diverted to second structure



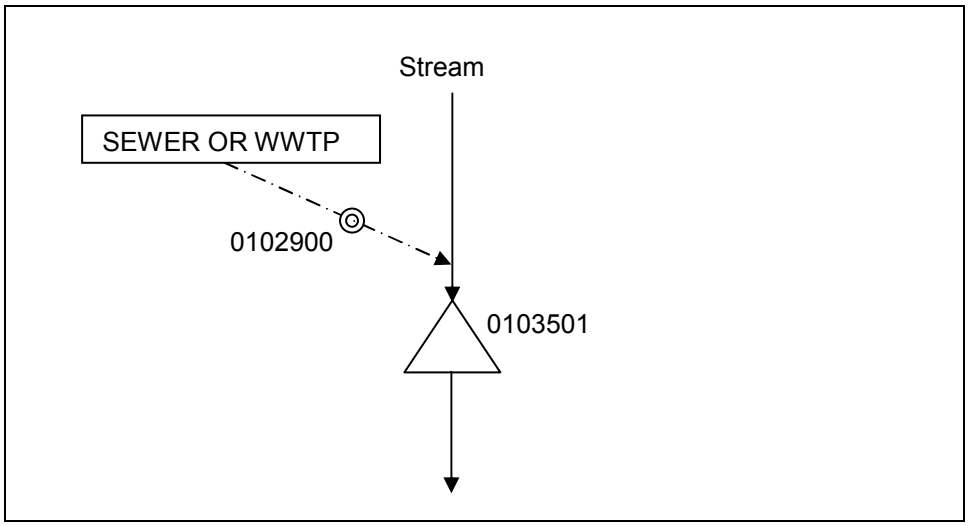
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	7				Re-usable water released to stream
2	0100510	8	0102900	Q					Re-usable release diverted
3	0103503	8	0102900	#					USE record

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Re-usable water release diverted to on-stream storage



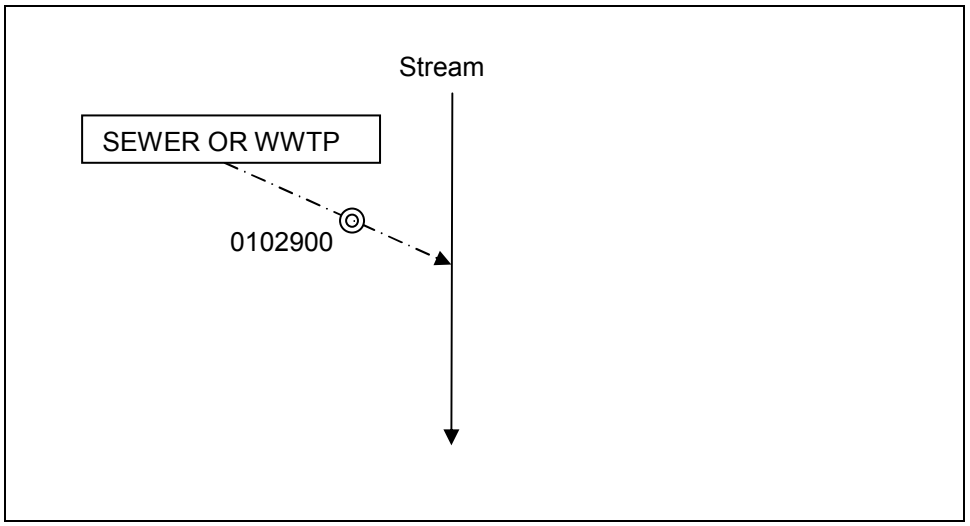
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	7				Re-usable water released to stream
2	0103501	8	0102900	#					Re-usable water to reservoir

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other- Specify Use w/Comment~~

Re-usable water release of dominion and control

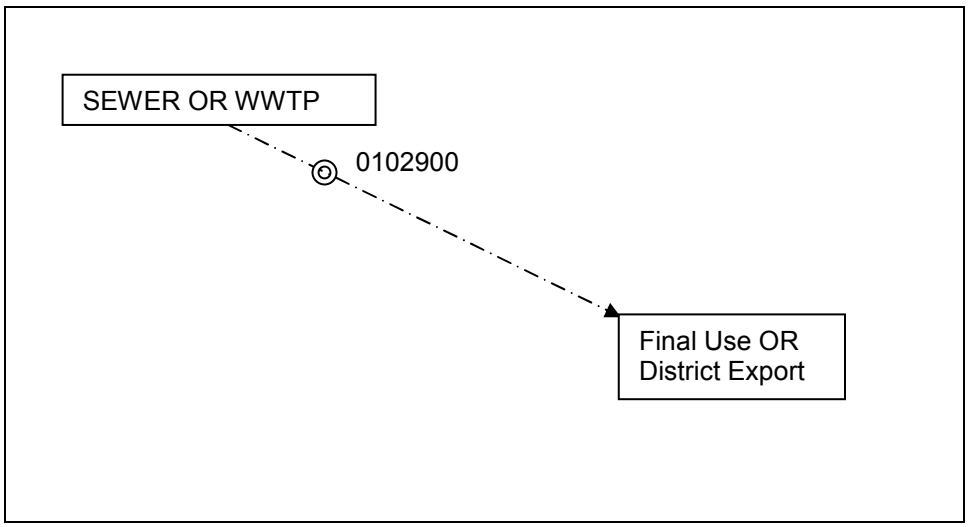


Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	L				Re-usable water relinquished dominion and control

Re-usable water release off-stream

Re-usable water released off-stream to direct use



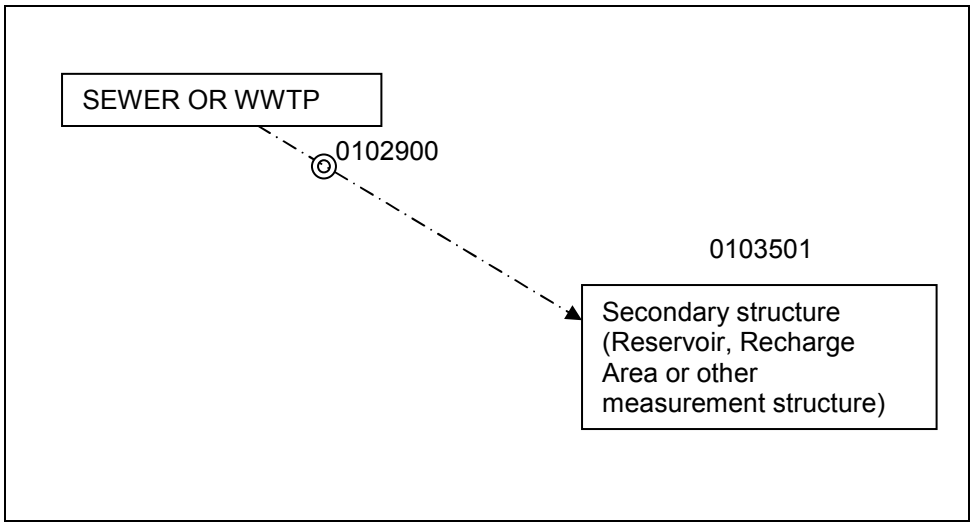
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		#	8				Release off-stream

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Re-usable water released off-stream to a second structure



Water Class Coding

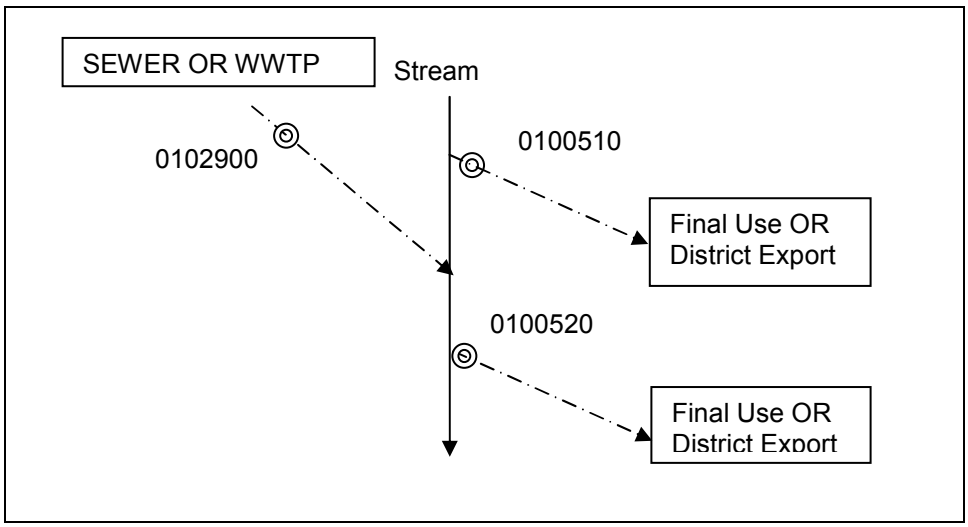
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	8				Release off-stream
2	0103501	8	0102900	#					USE record

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Re-usable water release diverted by exchange

Re-usable water release diverted by exchange for direct use



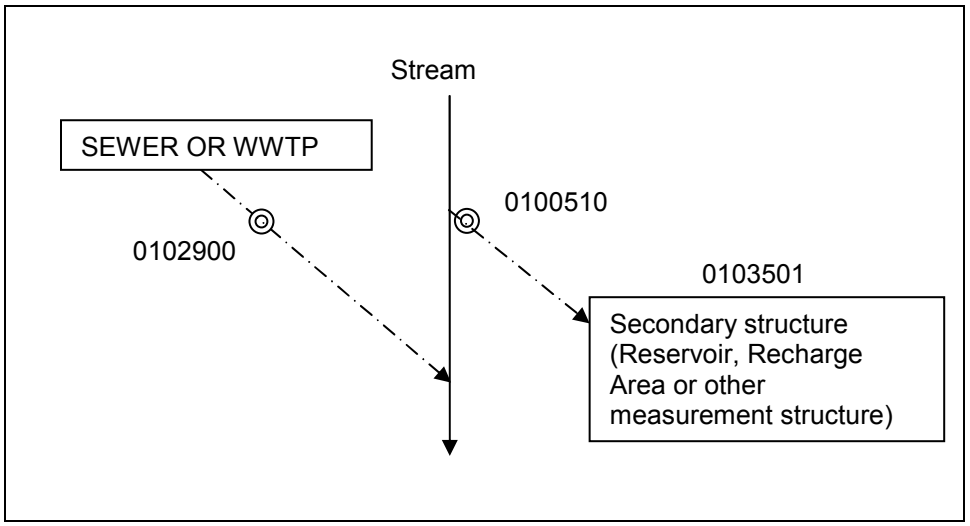
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	7				Release for exchange
2	0100510	8	0102900	#	1				Diversion by Exchange to USE
3	0100520	1		#					Natural stream diverted to USE

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Re-usable water release diverted by exchange to second structure



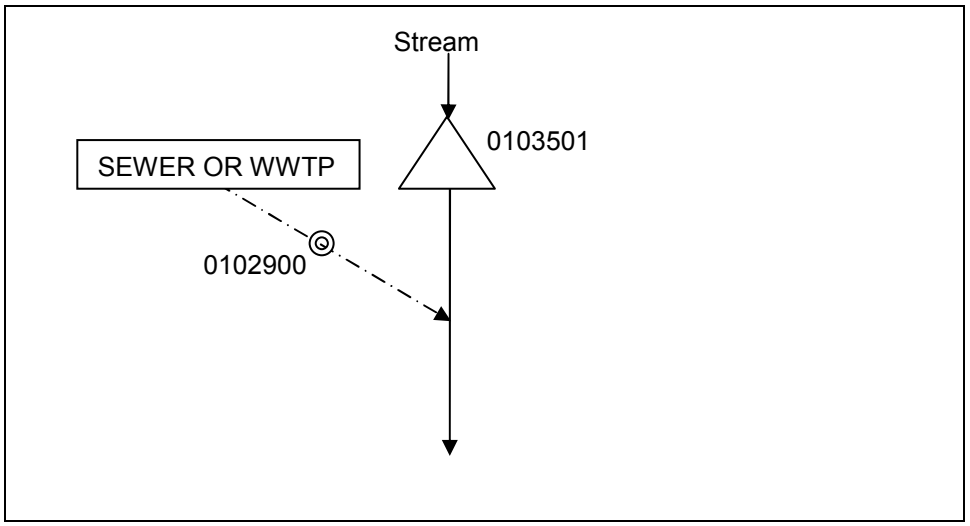
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	7				Release for exchange
2	0100510	8	0102900	Q	1				Diversion by Exchange
3	0103501	8	0102900	#					USE record

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Re-usable water release diverted by exchange to on-stream reservoir



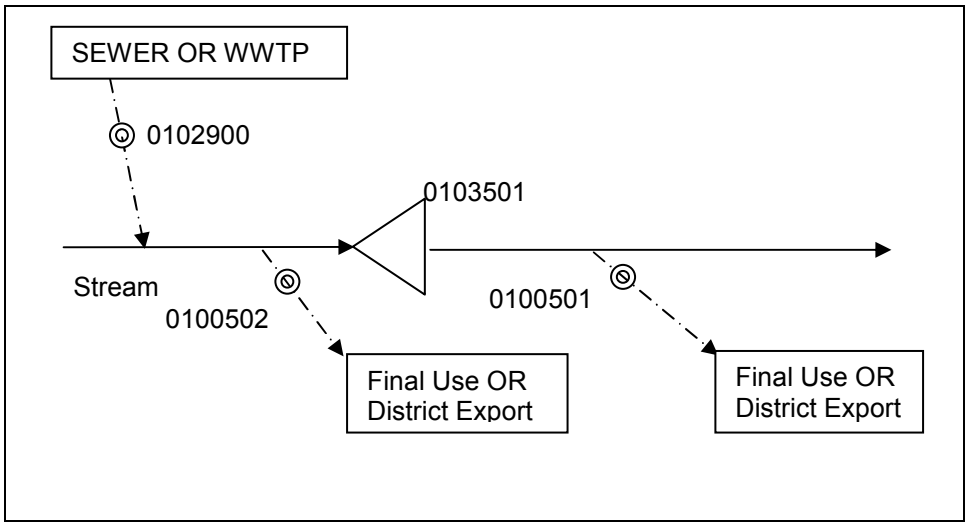
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	7				Release for exchange
2	0103501	8	0102900	#	1				Diversion by Exchange to USE

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other- Specify Use w/Comment~~

Re-usable water complex

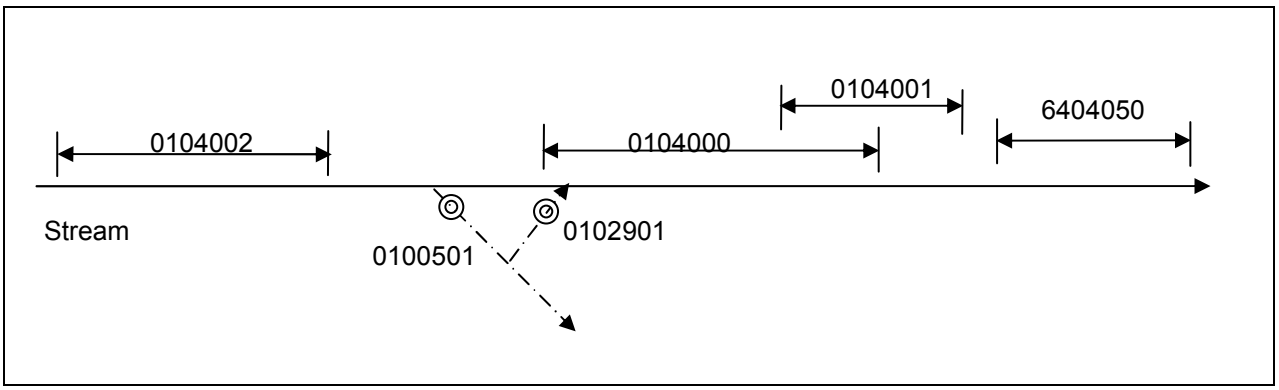


Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102900	8		Q	7				Re-usable water released to stream
2	0103501.002	8	0102900	0					Re-usable water stored in Reservoir
3	0103501.001	1		0					Natural stream stored in Reservoir
4	0100502	8	0102900	1					Re-usable water to irrigation
5	0100502	1		1					Natural stream to irrigation
6	0103501.002	2		Q	7				Reservoir release from Re-usable account for exchange
7	0100502	2	0103501.002	1	1				Diversion by exchange to USE
8	0103501.001	2		Q	7				Reservoir release to stream downstream
9	0100501	2	0103501.001	1					Stored water to direct use
10	0100501	8	0102900	1					Re-usable water to direct use (This water was never stored in the reservoir)
11	0100501	1		1					Natural stream to direct use
12	0102900	8		Q	L				Relinquishment of dominion and control

AGGREGATING REACH DIVERSIONS

Natural stream flow returned to river for replacement credit



Water Class Coding

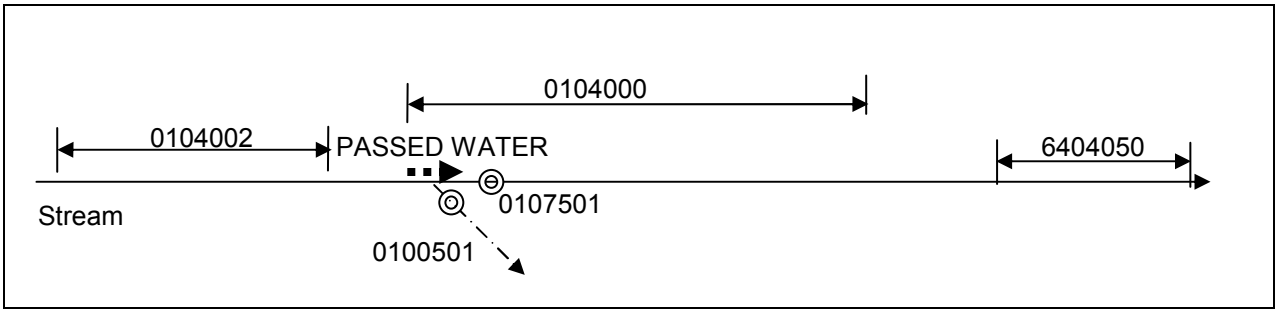
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100501	1		Q					Natural stream to ditch as carrier
2	0102901	1	0100501	Q	7				Natural stream replacement to river
3	0104002	1	0100501	Q	1	0102502			Exchange to reach for replacement credit
4	0104002	1	0100501	#	Q	0102502			Used and released
5	0104000	1	0100501	#	Q	0102500			Replacement credit to delivery reach
6	0104001	1	0100501	#	Q	0102501			Delivered downstream for replacement credit
7	6404050	1	0100501	#	Q	6402530			Delivered downstream for replacement credit out of district

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	~~M~~	~~Minimum stream flow/lake level~~
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	~~Q~~	~~Quantification of amount~~
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
A	Augmentation	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
C	Change of Use Return Flows	~~Z~~	~~Other–Specify Use w/Comment~~

Natural stream flow delivered by head gate for replacement credit

Some direct flow rights are allowed to let water that could be beneficially used down ditch flow pass their head gate for replacement credit. Similar to a dry-up provision, the reduced usage down ditch puts water in the stream that otherwise would not have been immediately available.



Water Class Coding

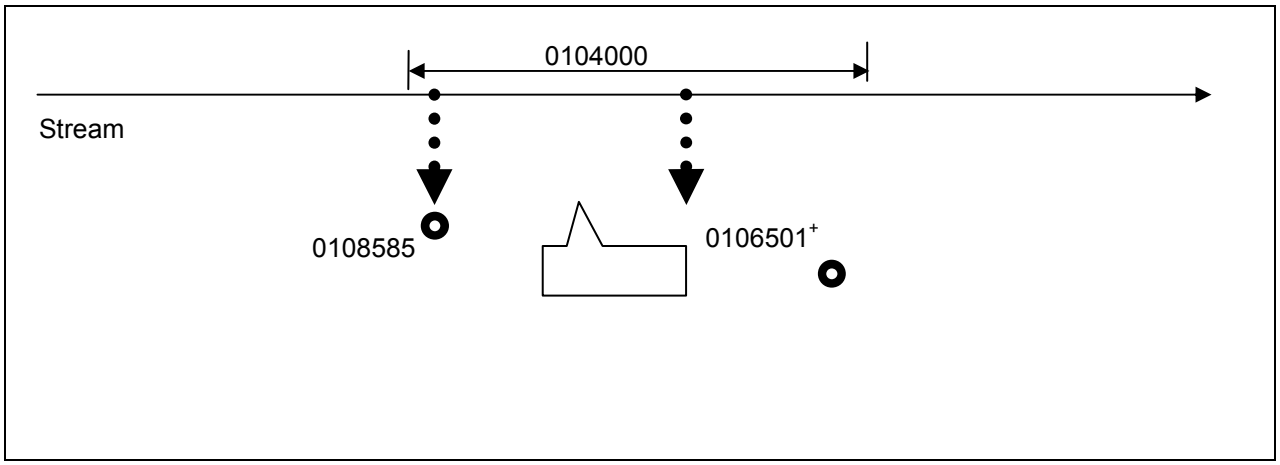
Using an in-stream Measuring Point (0107501):

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0107501	1		Q	0				Total water passed
2	0104002	1	0107501	Q	1				Exchanged upstream
3	0104002	1	0107501	A	Q	0102502			USE and release
4	0104000	1	0107501	Q		0102500			Reach Inflow
5	0104000	1	0107501	A	Q	0102500			USE and release
6	6404050	1	0107501	Q		6402530			Reach Inflow
7	6404050	1	0107501	A	Q	6402530			USE and release
8	0107501	1		Q	7				Passed water needed as replacement supply (Row2+Row4+Row6)
9	0107501	1		Q	L				Passed water not used (Row1 – Row7)
10	0100501	1		1					Water diverted to USE

OR by using accounts (Account “001” is head gate; account “002” is bypass):

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100501.002	1		Q	0				Total water passed
2	0104002	1	0100501.002	Q	1				Exchanged upstream
3	0104002	1	0100501.002	A	Q	0102502			USE and release
4	0104000	1	0100501.002	Q		0102500			Reach Inflow
5	0104000	1	0100501.002	A	Q	0102500			USE and release
6	6404050	1	0100501.002	Q		6402530			Reach Inflow
7	6404050	1	0100501.002	A	Q	6402530			USE and release
8	0100501.002	1		Q	7				Passed water needed as replacement supply (Row2+Row4+Row6)
9	0100501.002	1		Q	L				Passed water not used (Row1 – Row7)
10	0100501.001	1		1					Water diverted to USE

Natural stream flow depletion from groundwater diversion

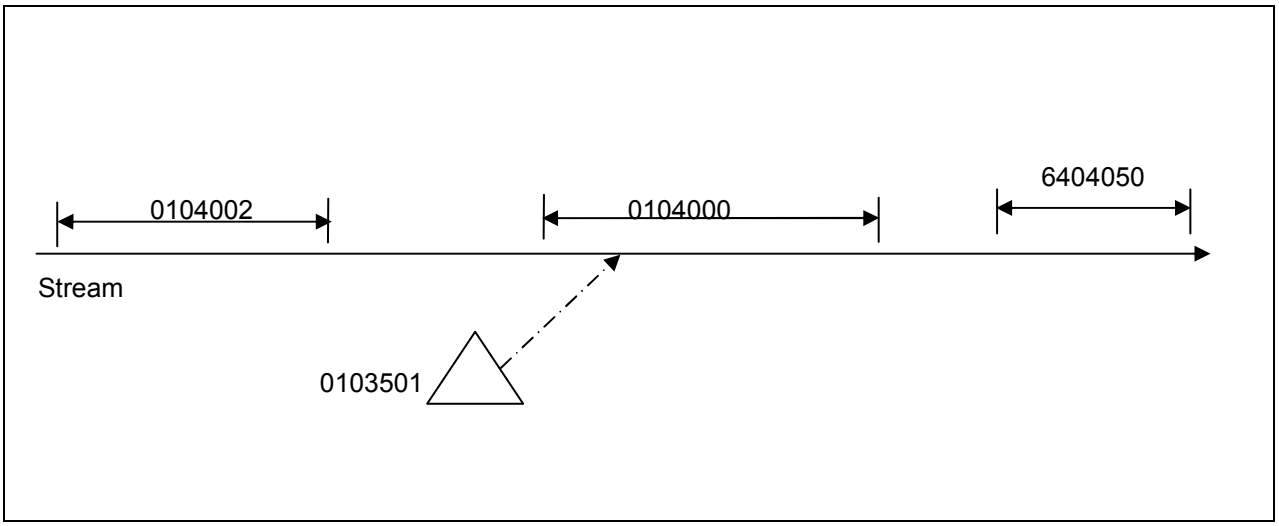


+ - From code may be from an individual well or a well field.

Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104000	1		Q	J	0103301			In-priority depletion caused by 0106501 in plan 0103301
2	0104000	1		Q	D	0103301			Out-of-priority depletion by 0106501 in plan 0103301
3	0104000	1		Q	J		0108585		In-priority depletion caused by 0108585 that is not in a plan
4	0104000	1		Q	D		0108585		Out-of-priority depletion caused by 0108585 that is not covered by a replacement plan

Reservoir release to river for replacement credit



Water Class Coding

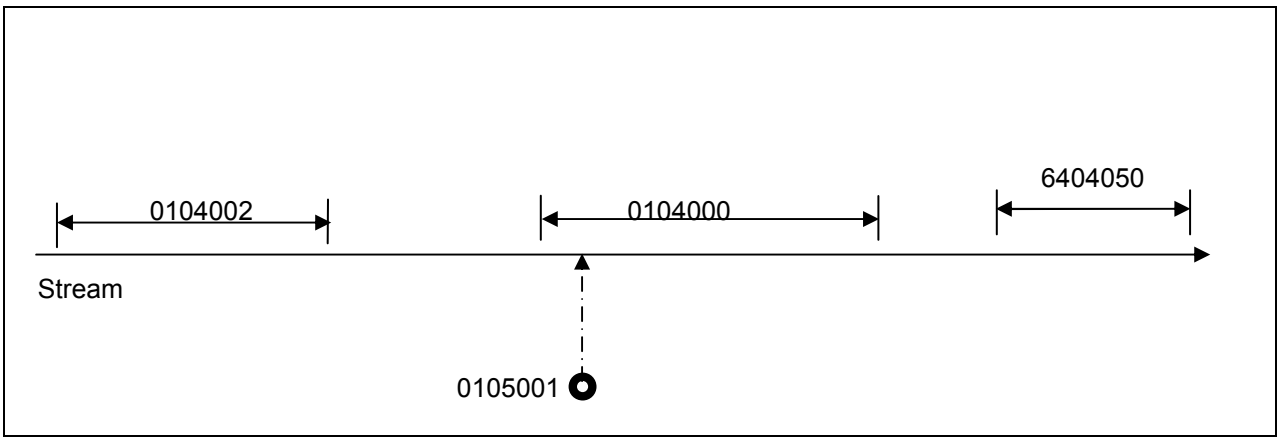
	WDID.ACCT	S	F	U	T	G	2	Amt	Description
1	0103501	2		Q	7			40+	Reservoir replacement to river
2	0104000	1		Q	D	0102500		10	Out-of-priority depletions
3	0104002	1		Q	D	0102502		12	Out-of-priority depletions
4	6404050	1		Q	D	6402530		15	Out-of-priority depletions
5	6404050	1		Q	J	6402530		5	In-priority depletions
6	0104000	2	0103501	Q		0102500		10	Reach inflow
7	0104000	2	0103501	A	Q	0102500		10	USE and release
8	0104002	2	0103501	Q	1	0102502		12	Exchanged to reach
9	0104002	2	0103501	A	Q	0102502		12	USE and release
10	6404050	2	0103501	Q		6402530		15	Reach inflow
11	6404050	2	0103501	A	Q	6402530		15	USE and release

+ - Release includes 20% transit loss to 6404050.

Structure Report Results			
Structure	Inflow	Release	USE
0104000	20	10	10
0104002	24	12	12
6404050	35	15	15

Ground water diverted to river for replacement credit

Ground water diverted to river for replacement credit by well



Water Class Coding

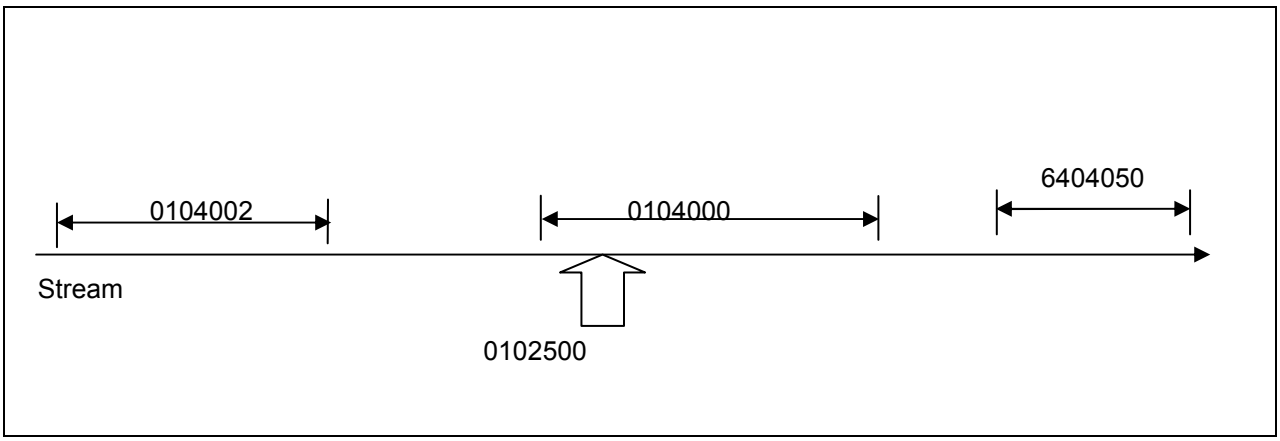
	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	0105001.001	3		Q					Ground water diversion
2	0105001.002	3	0105001.001	Q	7				Ground water released as replacement supply
3	0104002	3	0105001.001	Q	1	0102502			Exchanged to reach
4	0104002	3	0105001.001	A	Q	0102502			USE and release
5	0104000	3	0105001.001	Q		0102500			Reach inflow
6	0104000	3	0105001.001	A	Q	0102500			USE and release
7	6404050	3	0105001.001	Q		6402530			Reach inflow
8	6404050	3	0105001.001	A	Q	6402530			USE and release

If well diversion is authorized by replacement plan:

	WDID.ACCT	S	F	U	T	G	2	O	Description
1b	0105001.001	3		Q	A	0103550			Ground water diversion

Return flows diverted for replacement credit

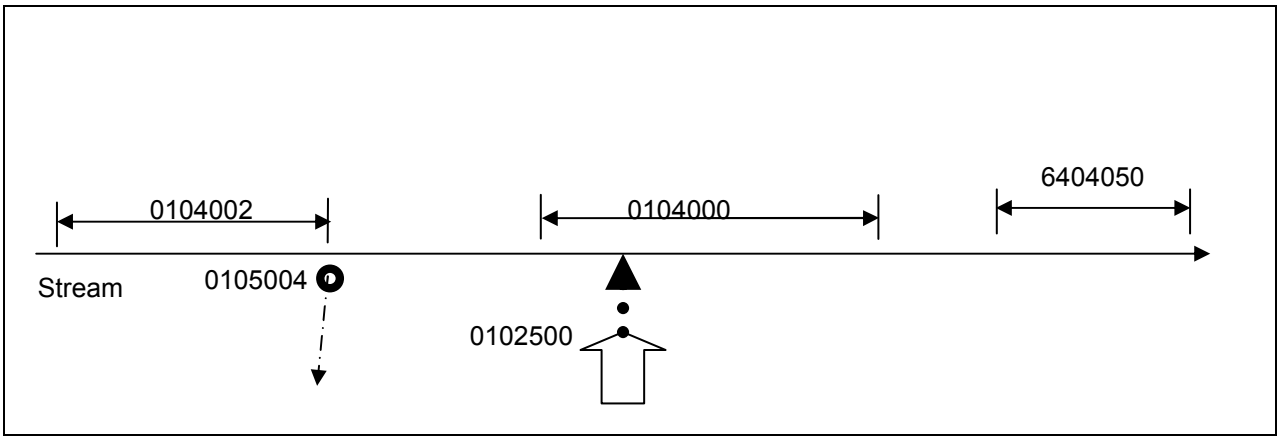
Return flows diverted for replacement credit from lawn irrigation



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0102500	8		Q	0			K	LIRF Accretion
2	0104000	8	0102500	Q		0103335			Reach inflow
3	0104000	8	0102500	A	Q	0103335			USE and release
4	0104002	8	0102500	Q	1	0102502			Exchange to reach
5	0104002	8	0102500	A	Q	0102502			USE and release
6	6404050	8	0102500	Q		6402530			Reach inflow
7	6404050	8	0102500	A	Q	6402530			USE and release
8	0102500	8		Q	7				Cumulative replacement supply (Row2 + Row4 + Row6+TL)
9	0104000	8		Q	L				Accretion not put to USE (Row1 – Row 8)

Return flows diverted for replacement credit from recharge area

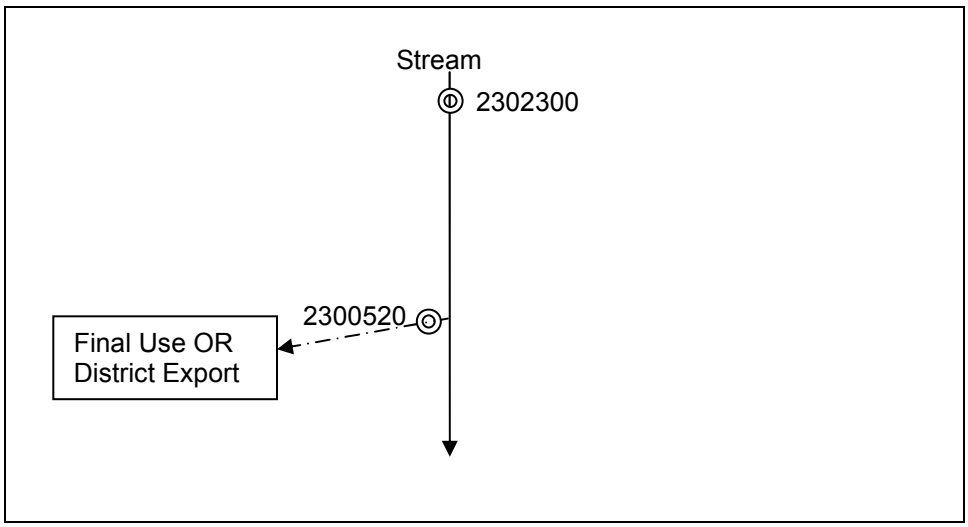


Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0104000	8	0102500	Q				C	Modeled accretion to stream
2	0104000	8		A	7	0103335			Accretions augmenting delivery reach
3	0104002	8	0104000	Q	1	0102502			Exchanged upstream
4	0104002	8	0104000	A	Q	0102502			USE and release
5	6404050	8	0104000	Q		6402530			Reach inflow
6	6404050	8	0104000	A	Q	6402530			USE and release
7	0105004	8	0104000	2	1				Exchanged LIRF accretions to head gate well for municipal USE
8	0104000	8		Q	7				Cumulative replacement supply to non-delivery reach (Row3+Row5+Row7)
9	0104000	8		Q	L				LIRF not put to USE (Row1 – Row 2 – Row 8)

Stream gage measurement used as basis for diversion

Stream gage measurement diverted for direct use



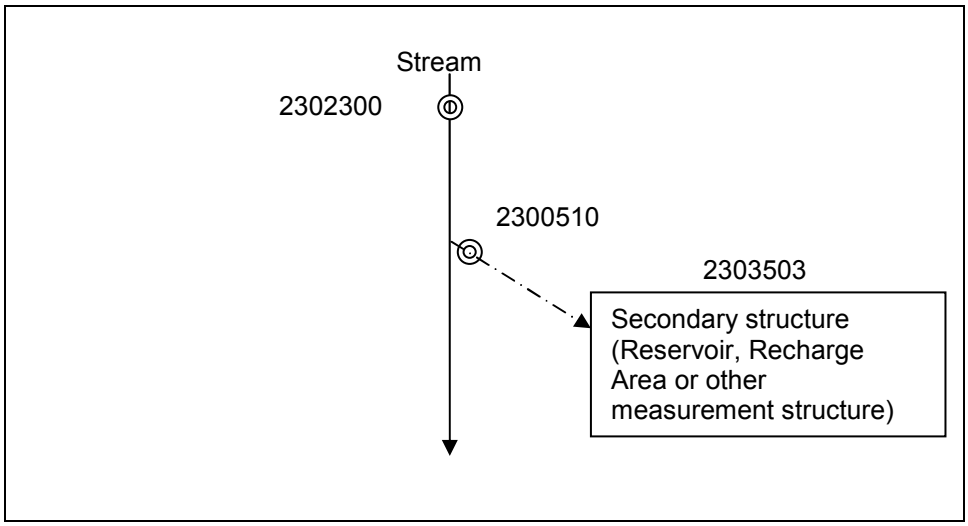
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2302300	1		Q	7				Stream gage measurement quantifies downstream diversion amount
2	2300520	1	2302300	#					Diversion to USE

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Stream gage measurement diverted to second structure



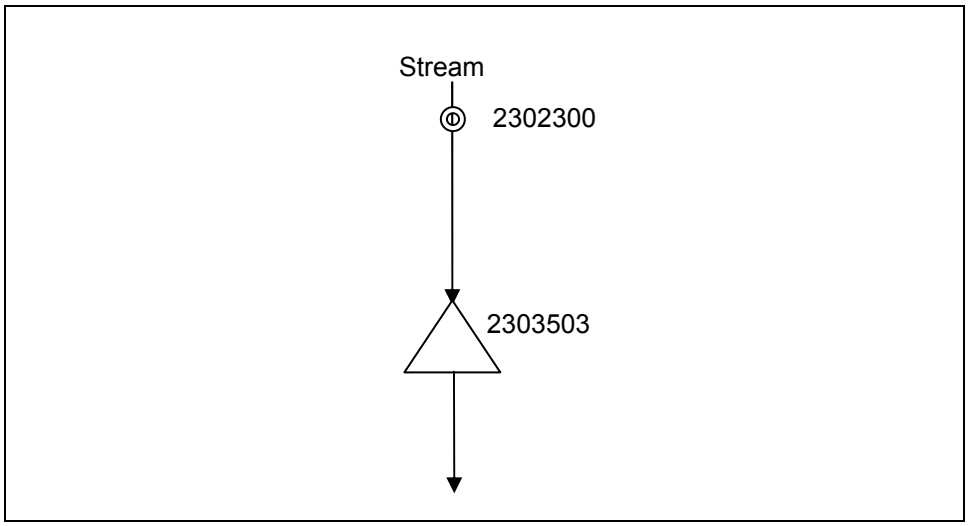
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2302300	1		Q	7				Stream gage measurement quantifies downstream diversion amount
2	2300510	1	2302300	Q					Diversion
3	2303503	1	2302300	#					USE record

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Stream gage measurement diverted to on-stream reservoir



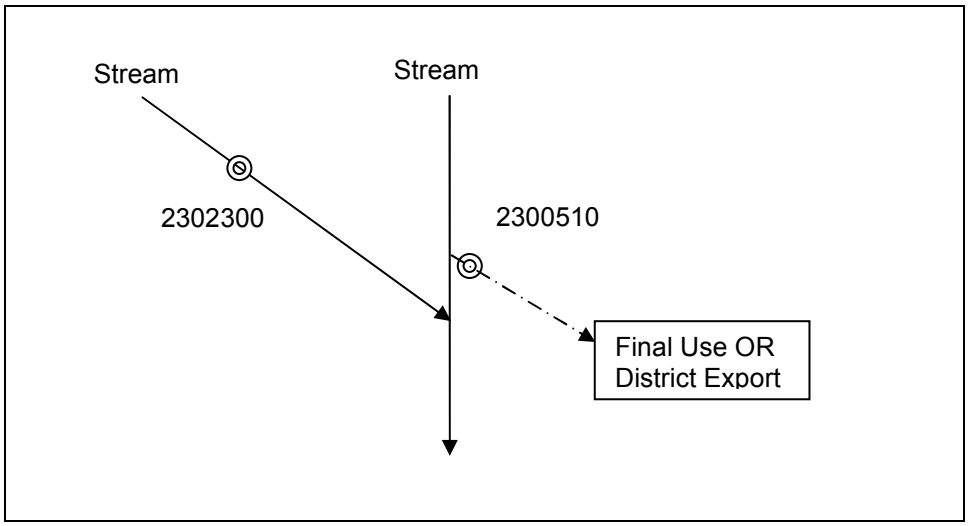
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2302300	1		Q	7				Stream gage measurement quantifies downstream diversion amount
2	2303503	1	2302300	#					Diversion to USE

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other–Specify Use w/Comment~~

Stream gage measurement exchanged and diverted for direct use



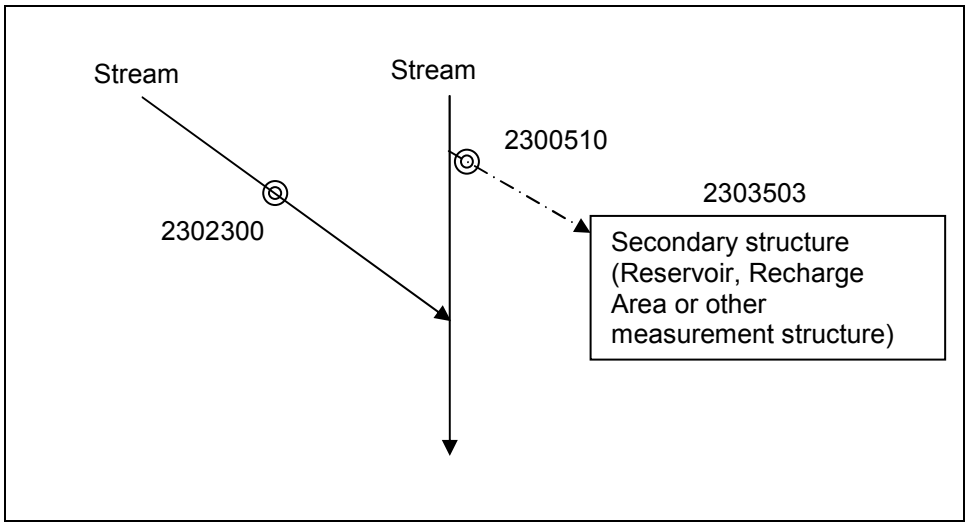
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2302300	1		Q	7				Stream gage measurement quantifies downstream diversion amount
2	2300510	1	2302300	#	1				Exchanged water diverted to USE

- Valid Use Codes

~~0~~	~~Storage~~	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	~~M~~	~~Minimum stream flow/lake level~~
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Stream gage measurement exchanged to second structure



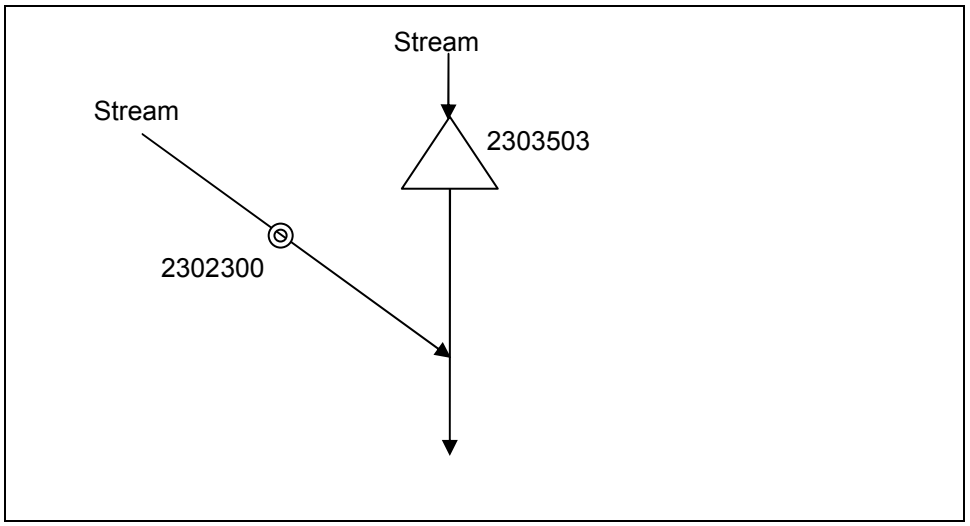
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2302300	1		Q	7				Stream gage measurement quantifies downstream diversion amount
2	2300510	1	2302300	Q	1				Diversion by Exchange
3	2303503	1	2302300	#					

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
1	Irrigation	~~F~~	~~Federal reserved~~
2	Municipal	G	Geothermal
3	Commercial	H	Household use only
4	Industrial	K	Snow making
5	Recreation	M	Minimum stream flow/lake level
6	Fishery	P	Power generation
7	Fire	Q	Quantification of amount
8	Domestic	R	Recharge
9	Stock	S	Export from State
~~A~~	~~Augmentation~~	T	Transbasin export
B	Sub-basin export	W	Wildlife
C	Change of Use Return Flows	Z	Other–Specify Use w/Comment

Stream gage measurement exchanged to on-stream reservoir



Water Class Coding

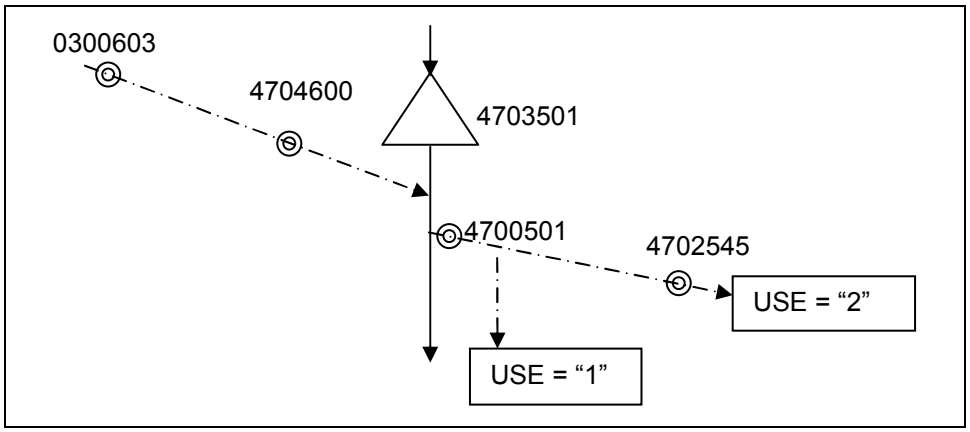
	WDID.ACCT	S	F	U	T	G	2	O	Description
1	2302300	1		Q	7				Stream gage measurement quantifies downstream diversion amount
2	2303503	1	2302300	#	1				Exchange to storage

- Valid Use Codes

0	Storage	~~E~~	~~Evaporation~~
~~1~~	~~Irrigation~~	~~F~~	~~Federal reserved~~
~~2~~	~~Municipal~~	~~G~~	~~Geothermal~~
~~3~~	~~Commercial~~	~~H~~	~~Household use only~~
~~4~~	~~Industrial~~	~~K~~	~~Snow making~~
~~5~~	~~Recreation~~	M	Minimum stream flow/lake level
~~6~~	~~Fishery~~	~~P~~	~~Power generation~~
~~7~~	~~Fire~~	Q	Quantification of amount
~~8~~	~~Domestic~~	~~R~~	~~Recharge~~
~~9~~	~~Stock~~	~~S~~	~~Export from State~~
~~A~~	~~Augmentation~~	~~T~~	~~Transbasin export~~
~~B~~	~~Sub-basin export~~	~~W~~	~~Wildlife~~
~~C~~	~~Change of Use Return Flows~~	~~Z~~	~~Other–Specify Use w/Comment~~

MULTIPLE SOURCES TO MULTIPLE FINAL USES

For structures with several sources and/or several uses, diversion coding must not account for a SOURCE or USE of water more than once.



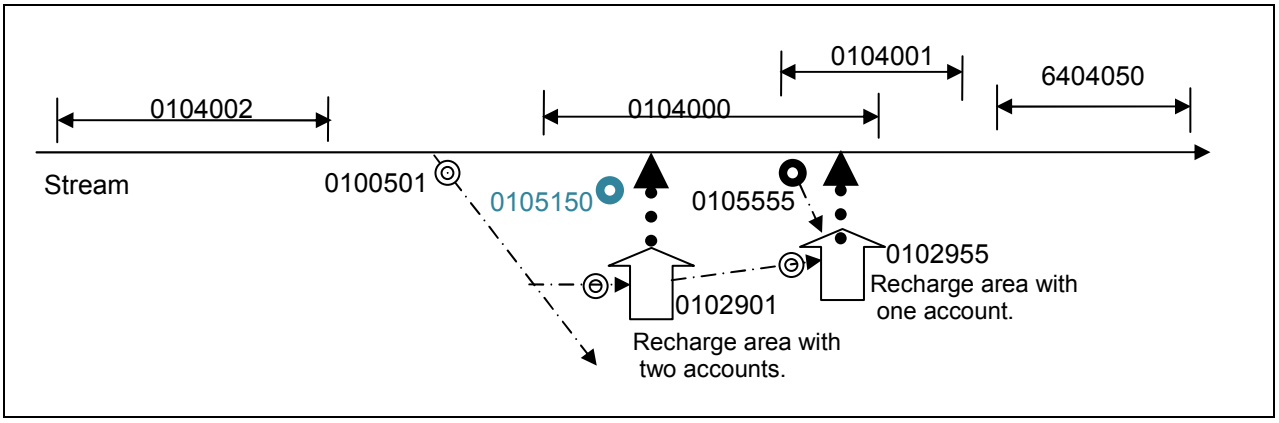
Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	4704600	4	(0300603)	Q	7				Transbasin import
2	4703501	2		Q	7				Reservoir release for downstream use
3	4700501	X		Q	0				Total thru structure record for administrative purposes only as there's no SOURCE or Use
4	4700501	4	4704600	Q					Transbasin water diverted; volume is all or part of Row1 less shrink
5	4700501	2	4703501	Q					Reservoir water diverted; volume is all or part of Row2 less shrink
6	4700501	1		Q					Natural stream diverted (Row3 – Row4 – Row5)
7	4702545	4	4704600	2					Transbasin water measured to USE or export
8	4702545	2	4703501	2					Reservoir water measured to USE or export
9	4702545	1	4700501	2					Natural stream flow measured to USE or export
10	4700501	4	4704600	1	+				Transbasin water to USE or export without subsequent measurement
11	4700501	2	4703501	#	+				Reservoir water to USE or export without subsequent measurement
12	4700501	1		#	R				Natural stream flow to USE or export without subsequent measurement

( ) – Optional information

+ - TYPE = "R" is not needed as the volume associated with this record only applies to the USE summation routine because the SOURCE summation routine for "manufactured" water is based on releases, not diversions.

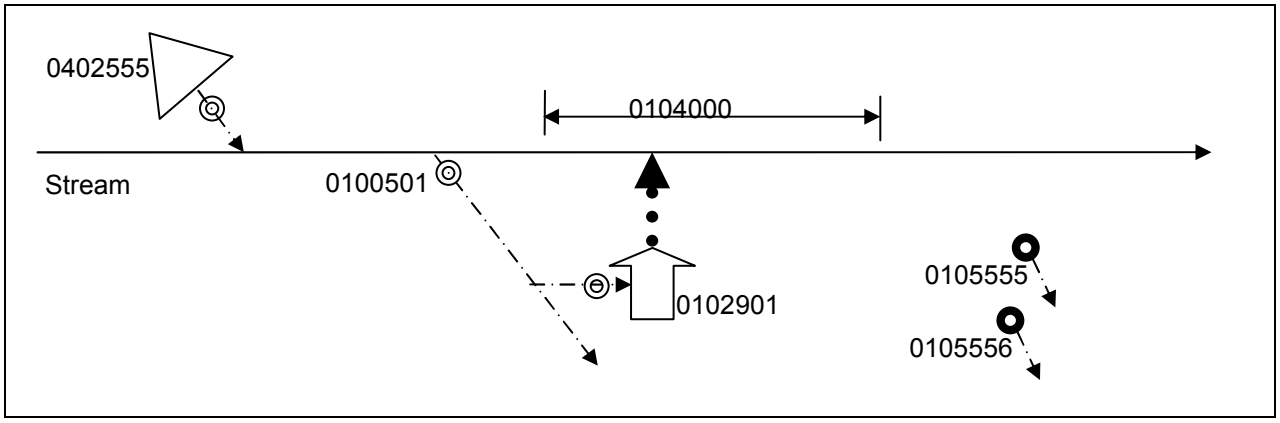
RECHARGE AREA DIVERSIONS – COMPLEX



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1a	0100501	1		Q					Natural stream to ditch as carrier
1b	0102901	1	0100501	Q			0102955		NSF carried to second recharge area
2a	0102901	1	0100501	R					Recharge delivery to first area
2b	0102955	1	0100501	R					Recharge delivery to second area
3a	0102901	8		E	Q				Evaporation loss (Optional record)
3b	0102901.001	8		Q	V	0103501			Released to aquifer for ACCT001
3c	0102901.002	8		Q	V	0103502			Released to aquifer for ACCT002
3d	0102955	8		Q	V	0103555			Released to aquifer from second area
4a	0104000	8	0102955	Q		0103555		C	Total accretions from second area
4b	0104000	8	0102901.001	Q		0103501		C	Total accretions from ACCT001
4c	0104000	8	0102901.002	Q		0103502		C	Total accretions from ACCT002
5a	0104000	8		A	7	0103501			Accretion credit to delivery reach
5b	0104001	8	0104000	Q		0103541			Reach inflow
5c	0104001	8	0104000	A	Q	0103541			Accretion released for another plan
5d	0104002	8	0104000	Q	1	0103542			Accretion exchanged to upstream reach for another aug plan
5e	0104002	8	0104000	A	Q	0103542			Accretions used and released
5f	0105555	8	0104000	Q					Excess accretions diverted through head gate well back to recharge
5g	0100501	8	0104000	Q	1				Excess accretions diverted by exchange for delivery to recharge
5h	0104000	8		Q	7				Accretions released for other than delivery reach USE (5b + 5d + 5f + 5g + TL)
5i	0104000	8		Q	L				Accretions not used (4a + 4b + 4c) – (5a – 5h)
6a	0102955	8	0104000	R					From 0105555
6b	0102901	8	0104000	R					From 0100501 exchange
A	*0105151*	*3*		*1*	*A*	*0103501*		*K*	*Augmented pumping*
B	*0104000*	*1*		*Q*	*J*	*0103501*		*C*	*In-priority depletions*
C	*0104000*	*1*		*Q*	*D*	*0103501*		*C*	*Out-of-priority depletions*

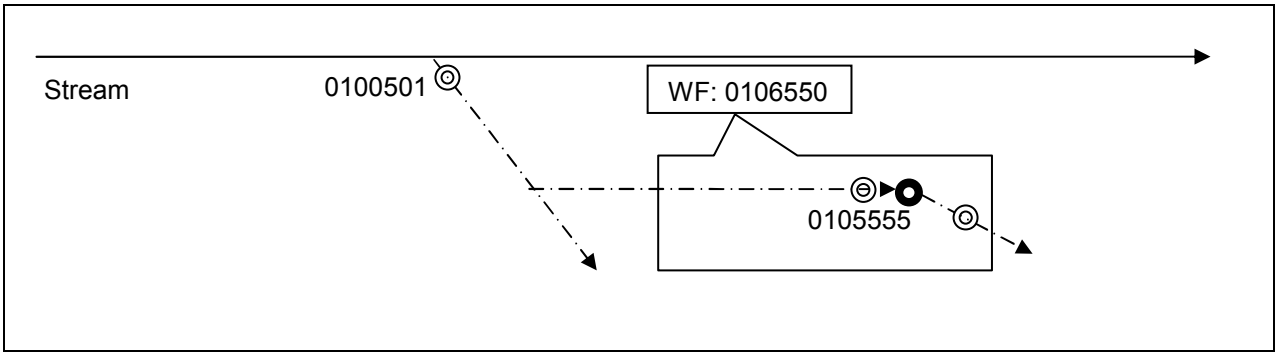
PLAN OF AUGMENTATION – TYPICAL



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0105555	3		1	A	0103335			Augmented pumping
2	0105556	3		1	A	0103335			Augmented pumping
3	0100501	1		Q					Diversion to recharge
4	0102901	1	0100501	R		0103335			Recharge
5	0102901	8		E	Q	0103335			Evapotranspiration loss
6	0102901	8		Q	V	0103335			Infiltration to aquifer
7	0104000	8	0102901	Q		0103335			Accretion to stream
8	0104000	1		Q	D	0103335			Out-of-priority stream depletion
9	0104000	8		A	7	0103335			Recharge accretion used for aug
10	0402555	2		Q	7	0103335			Supplemental release from reservoir
11	0104000	2	0402555	Q		0103335			Reach inflow from res
12	0104000	2	0402555	A	Q	0103335			Reservoir release used for aug

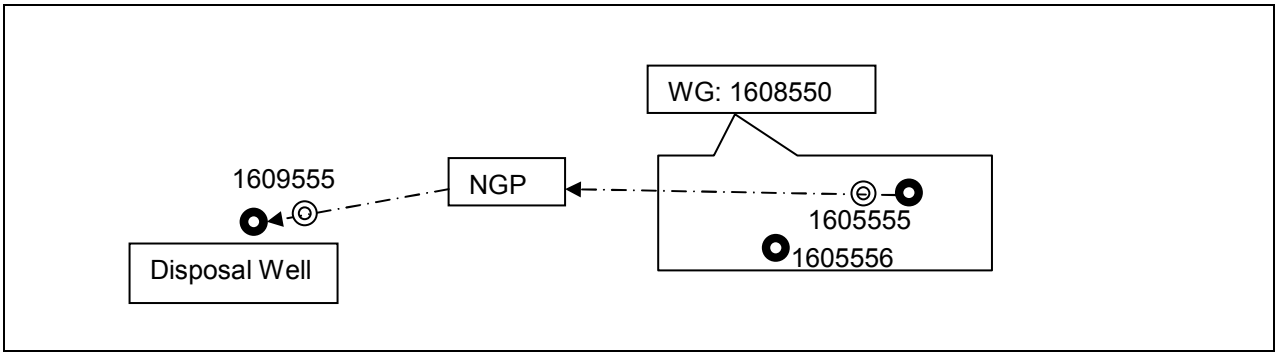
UNDERGROUND - RECHARGE



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	0100501	1		Q					Natural stream to ditch as carrier
2	0105555	1	0100501	R	W		(0106550)		NSF recharged by well
3	0106550	8	0105555	Q					Recharge quantified into well field
4	0106550	8		Q	8		(0105555)		Recharged water released from well field
5	0105555	8	0106550	2					Recharged water to USE
6	0106550	3		Q	8				Appropriated groundwater released from well field
7a	0105555	3	0106550	2					Appropriated groundwater to USE
7b	0105555	3	0106550	2	A	0103555			Appropriated groundwater to USE if in plan of augmentation

UNDERGROUND – RELEASE/DISPOSAL



Water Class Coding

	WDID.ACCT	S	F	U	T	G	2	O	Description
1	1605555	3		Q	A	1603555			Produced water
2	1605556	3		Q	A	1603555			Produced water
3	1609555	3	1608550	Q	W				Disposal by injection well