

BEFORE THE IDAHO WATER RESOURCE BOARD

**IN THE MATTER OF THE BOARD'S PROTESTS TO
APPLICATIONS FOR PERMITS TO DIVERT FROM
TRIBUTARIES TO THE UPPER LEMHI RIVER**

**RESOLUTION AUTHORIZING STAFF AND
COUNSEL TO RETAIN TECHNICAL
CONSULTANTS AND EXPERTS TO SUPPORT
THE BOARD'S PROTESTS**

1 WHEREAS, the Idaho Water Resource Board ("Board") is a constitutional agency of the State of
2 Idaho and empowered by Section 7 of Article XV of the Idaho Constitution and Idaho Code § 42-1734A
3 to formulate and implement a comprehensive state water plan for optimum development of water
4 resources in the public interest, subject to legislative approval; and
5

6 WHEREAS, the Board is authorized under Chapter 15 of Title 42 to apply for and hold water
7 rights to establish minimum stream flows; and
8

9 WHEREAS, pursuant to Idaho Code § 42-1506 and SRBA Partial Decree No. 74-14993 the Board
10 holds a water right for a minimum stream flow of 35 CFS on the Lemhi River beginning at the L6
11 diversion for the purpose of providing passage for anadromous fish; and
12

13 WHEREAS, Idaho Code § 42-1736B provides that all future filings, permits, and decrees on the
14 unappropriated waters of this state shall be determined with respect to the effect such filings, permits,
15 and decrees will have on the minimum daily flow of the affected stream or river; and
16

17 WHEREAS, the 2004 Snake River Water Rights Agreement, Idaho Code § 42-1763B(1), calls for
18 maintaining the IWRB's minimum stream flow on the Lemhi River, and for additional habitat actions
19 supporting the recovery of fish species listed under the Endangered Species Act (ESA) to be developed
20 by the parties to the agreement in consultation with the local community and stakeholder groups; and
21

22 WHEREAS, the Board has, in cooperation with the local community, private landowners and
23 water users, stakeholder groups, the Idaho Department of Fish & Game and other state agencies, and
24 federal agencies, developed and implemented a number of cooperative, voluntary, and innovative
25 habitat conservation actions in the Lemhi River Basin for the purpose of protecting and restoring
26 populations of ESA-listed fish species; and
27

28 WHEREAS, the habitat conservation actions developed and implemented in the Lemhi River
29 Basin include, among other things, water transactions and not-to-divert agreements that provide flows
30 (1) to support the IWRB's minimum stream flow at L6, (2) to reconnect tributaries to the Upper Lemhi
31 River that have historically have been dewatered at their confluences with the Lemhi River, and (3) to
32 improve the quantity and quality of ESA-listed fish habitat in the tributaries to the Upper Lemhi River;
33 and
34

35 WHEREAS, during the period from 2004 to 2018 the Board received \$5.4 million from the
36 Bonneville Power Agency's Idaho Fish Accord Water Transaction Fund and Columbia Basin Water
37 Transaction Program Fund for the purpose of funding water transactions in the Lemhi River Basin that
38 support recovery of ESA-listed fish species; and
39

40 WHEREAS, the Board has also received funding from the Pacific Coast Salmon Recovery Fund
41 for the purpose of supporting the recovery of ESA-listed anadromous fish species in the Lemhi River
42 Basin; and
43

44 WHEREAS, the habitat conservation actions and water transactions in the Lemhi River Basin
45 developed and implemented by the Board in cooperation with the local community, private
46 landowners and water users, stakeholder groups, other state agencies, and federal agencies have
47 significantly contributed toward the objective of recovering ESA-listed fish species in ways that reduce
48 the likelihood of federal or third-party ESA enforcement actions against Lemhi River Basin water users
49 while also supporting local water users and the local economy; and
50

51 WHEREAS, approximately fourteen applications have been filed in recent months seeking
52 permits to divert additional flows from a number of tributaries to the Upper Lemhi River Basin; and
53

54 WHEREAS, the Board has filed protests to the recent applications because the applications if
55 approved (1) could interfere with or undermine the above-referenced the habitat conservation actions
56 and water transactions in the Lemhi River Basin, (2) could allocate the limited subordination benefits
57 remaining available under the Wild and Scenic Rivers Agreement of 2004 to uses that would occur for
58 only a short period of time each year, and (3) might otherwise not be in the local public interest; and
59

60 WHEREAS, it has become apparent that adequately explaining and supporting the Board's
61 protests in the proceedings on the applications before the Idaho Department of Water Resources
62 (IDWR) may require staff and counsel to retain technical consultants and/or expert witnesses; and
63

64 WHEREAS, it appears for purposes of the first application to be heard by IDWR, the maximum
65 cost of retaining a technical consultant and/or expert in the field of hydrology to support the Board's
66 protest would be approximately \$25,000.00, including compensation, incurred costs, travel, lodging,
67 and meals, and that the maximum cost of retaining a technical consultant and/or expert in the field of
68 agricultural economics would be would be approximately \$15,000.00, including compensation,
69 incurred costs, travel, lodging, and meals;
70

71 NOW, THEREFORE BE IT RESOLVED that the Board authorizes staff and counsel to retain technical
72 consultants and expert witnesses in the fields of hydrology and agricultural economics for purposes of
73 supporting the Board's protests to the applications; and
74

75 BE IT FURTHER RESOLVED that the amounts authorized for purposes of retain such technical
76 experts and consultants, including compensation, incurred costs, travel, lodging, and meals is limited to a
77 total of \$40,000.00 from the Revolving Development Account.

Resolution Authorizing Staff and Counsel and Experts to Support the Board's Protests to Applications to Divert
from Tributaries of the Upper Lemhi River
Resolution No. 14-2019

DATED this 26th day of July, 2019.



ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST 

VINCE ALBERDI, Secretary

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF FLOOD
MANAGEMENT GRANTS

RESOLUTION TO AWARD FUNDS

1 WHEREAS, House Bill 285 passed and approved by the 2019 legislature transferred
2 \$800,000 from the General Fund to the Water Management Fund for a Flood Management Grant
3 Program administered by the Idaho Water Resources Board (IWRB) to be used for the purpose
4 of flood-damaged stream channel repair, stream channel improvement, flood risk reduction, or
5 flood prevention projects; and
6

7 WHEREAS, House Bill 285 allows for the award of grants larger than \$50,000 for the Flood
8 Management Program, at the discretion of the IWRB; and
9

10 WHEREAS, House Bill 285 directs the IWRB to require the availability of fifty percent (50%)
11 matching funds for all projects to be considered under the grant program; and
12

13 WHEREAS, House Bill 285 directs the IWRB to prioritize projects on a competitive
14 statewide basis; and
15

16 WHEREAS, on April, 18, 2019 the IWRB adopted criteria for the award of Flood
17 Management Grants, and
18

19 WHEREAS, several of the 2018 Flood Management Grant Projects were completed under
20 budget totaling \$70,000. These remaining 2018 funds when combined with the 2019 legislative
21 appropriation total \$870,000 that may be awarded for 2019 Flood Management Projects; and
22

23 WHEREAS, twelve (12) Flood Management Grant applications were received by the
24 deadline of Friday June 21, 2019 and the applications were evaluated, scored and ranked
25 according to the criteria adopted by IWRB; and
26

27 WHEREAS, the Finance Committee met on July 9, 2019 and recommended the IWRB
28 award funds to the applications as specified in Attachment A to this resolution; and
29

30 NOW, THEREFORE BE IT RESOLVED that the IWRB approves the award of Flood
31 Management Grants as specified in Attachment A to this resolution.
32

DATED this 26th day of July, 2019.



ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST 

VINCE ALBERDI, Secretary

Attachment A: 2019 Flood Management Grant Awards

Ranking	Entity	Award
1	City of Boise - Crane Creek	\$6,371.00
2	Blaine County - Big Wood Hospital Bridge	\$50,000.00
3	*Flood Control District No.10	\$160,000.00
4	Blaine County - Broadford Road Fishermans Access	\$100,000.00
5	City of Hailey - Della View Subdivision	\$50,000.00
6	Board of Controls Irrigation - Diversion 45	\$59,050.00
7	Clearwater Soil & Water Cons. Dist. - Gold Creek	\$72,727.39
8	Idaho Soil & Water Cons. Dist. - Deer Creek	\$159,436.00
9	Clearwater Soil & Water Cons. Dist. - Shanghai Creek	\$190,492.37
10	Idaho Soil & Water Cons. Dist. - Lower Three Mile Creek	\$21,619.50
Total Award		\$869,696.26

* This information will be used in making land use planning decisions

BEFORE THE IDAHO WATER RESOURCE BOARD

**IN THE MATTER OF MILNER IRRIGATION
DISTRICT FUNDING REQUEST**

**RESOLUTION TO AUTHORIZE FUNDING TO
CONSTRUCT NEW MAIN IRRIGATION
CONVEYANCE PIPELINES**

1 WHEREAS, the Milner Irrigation District (Company) submitted a loan application to the Idaho
2 Water Resource Board (IWRB) in the amount of \$2,000,000.00 for replacing two failing 60-inch steel
3 parallel irrigation conveyance pipelines; and
4

5 WHEREAS, the Company operates and maintains a delivery system to convey irrigation water to
6 its shareholders in Cassia County and Twin Falls County to irrigate approximately 13,500 acres of
7 agricultural land; and
8

9 WHEREAS, the Company, since 1991, has been routinely performing mortar patching and
10 welding repairs for the two 60-inch steel irrigation conveyance pipelines; and
11

12 WHEREAS, in May, 2019, the Company discovered several leaks in the pipelines outside of the
13 main pumping plant; and
14

15 WHEREAS, the Company is requesting funds to replace the existing irrigation conveyance
16 pipelines with approximately 2,100 lineal feet of new 60-inch HDPE irrigation conveyance pipelines; and
17

18 WHEREAS, the proposed new irrigation conveyance pipelines will benefit the Company and their
19 members by providing a long-term, reliable irrigation conveyance pipeline and reduce pipeline
20 maintenance and repair costs; and
21

22 WHEREAS, the total estimated cost for the Milner Irrigation District Main Conveyance Pipelines
23 project is \$2,000,000.00; and
24

25 WHEREAS, the Company is a qualified applicant and the proposed evaluation qualifies for a loan
26 from the IWRB'S Revolving Development Account; and
27

28 WHEREAS, the proposed project is in the public interest and is in compliance with the State
29 Water Plan.
30

31 NOW THEREFORE BE IT RESOLVED that the IWRB approves a loan not to exceed \$2,000,000
32 from the Revolving Development Account at 4.5% interest with a 15-year repayment term and provides
33 authority to the Chairman of the Idaho Water Resource Board, or his designee, to enter into contracts
34 with the Company on behalf of the IWRB. The 15-year term of the loan will commence in August 2019,
35 with obligation of funds and payment requirements as outlined in Condition No.3 below.
36

37 NOW THEREFORE BE IT FURTHER RESOLVED that this resolution and the approval of the loan are
38 subject to the following conditions:
39

40
41
42
43
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47

- 1) The Company shall comply with all applicable rules and regulations that apply to the proposed project.
- 2) The Company will provide acceptable security for the loan to the IWRB including, but not limited to, the Company's water rights and Milner Irrigation District's facilities.
- 3) The Company shall establish a reserve account in an amount equal to one annual payment.
- 4) The Company shall obtain members approval of the loan request and an increase in the annual assessment at the August 6, 2019 shareholder's meeting.

DATED this 26th day of July, 2019.



ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST



VINCE ALBERDI, Secretary

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF DEVELOPMENT
REVENUE BONDS, SERIES 2005 (NORTH LAKE
RECREATIONAL SEWER AND WATER
DISTRICT PROJECT) DATED NOVEMBER 1,
2005 IN THE AMOUNT OF \$9,465,000

RESOLUTION TO ENTER INTO AN
AGREEMENT TO RELEASE CERTAIN
DEVELOPMENT REVENUE BONDS

1 WHEREAS, Idaho Water Resource Board (Board) issued Development Revenue Bonds,
2 Series 2005 (North Lake Recreational Sewer and Water District Project) dated November 1, 2005
3 in the amount of \$9,465,000 (Bonds); and
4

5 WHEREAS, the Board loaned the proceeds of the Bonds (Loan) to North Lake Recreational
6 Sewer and Water District, acting for and on behalf of Local Improvement District No. 2004-2
7 (District) through a Loan Agreement dated November 1, 2005 between the District and the
8 Board; and
9

10 WHEREAS, the Bonds are secured by payments made pursuant to an underlying local
11 improvement district (LID) bond owing from the District to the Board (Underlying Water Bond);
12 and
13

14 WHEREAS, the Underlying Water Bond is secured by and payable from LID assessments
15 on real property within the District created by the District's Assessment Roll, as confirmed by
16 District Ordinance No. 2005-4 adopted on September 17, 2005 (LID Assessments); and
17

18 WHEREAS, pursuant to an Indenture of Trust between the Board and Trustee dated
19 November 1, 2005 (Indenture), all of the Board's right, title and interest in and to the Loan, the
20 Loan Agreement and the LID Assessments have been assigned to the Trustee to have to hold as
21 part of the Trust Estate for the benefit of Bondholder; and
22

23 WHEREAS, most of the real property parcels within the District and subject to the LID
24 Assessments are owned by a related entity to Bondholder (Bondholder Parcels); and
25

26 WHEREAS, the LID Assessments on the Bondholder Parcels are delinquent and, as a result,
27 have been assessed penalty fees and default interest (Penalty Amounts). The Penalty Amounts
28 are currently owing in addition to the respective principal and interest amounts of the LID
29 Assessments; and
30

31 WHEREAS, as a result of the non-payment of LID Assessments, an event of default has
32 occurred and is continuing under the Loan Agreement and Indenture; and
33

34 WHEREAS, Bondholder desires to release the Penalty Amounts and associated delinquent
35 principal and interest owed on the Bondholder Parcels through an agreement with the Board and
36 Trustee which directs the District to undertake the release; and
37

38 WHEREAS, The Board has been asked by Bondholder to enter into an agreement with
39 Bondholder and Trustee providing for the release of the Penalty Amounts (Agreement) and
40 counsel has advised that the Board is authorized to enter into such an Agreement;
41

42 NOW, THEREFORE BE IT RESOLVED that the Board approves entering into the Agreement
43 with the Bondholder and Trustee to direct the District to release the Penalty Amounts and
44 associated delinquent principal and interest owed by the Bondholder.
45

46 NOW, THEREFORE BE IT FURTHER RESOLVED that the Board authorizes its chairman or
47 designee, Brian Patton, Board Executive Officer, to execute the necessary agreements or
48 contracts to provide for the release of the Penalty Amounts and related matters.

DATED this 26th day of July, 2019.



ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST



VINCE ALBERDI, Secretary

BEFORE THE IDAHO WATER RESOURCE BOARD

**IN THE MATTER OF ESTABLISHING A RECHARGE
CONVEYANCE PAYMENT STRUCTURE AND
DISTRIBUTION PLAN FOR THE LOWER VALLEY**

**RESOLUTION TO APPROVE ESPA MANAGED
RECHARGE PROGRAM STANDARDS AND
PROCESSES**

1 WHEREAS, the Eastern Snake Plain Aquifer (ESPA) has been losing approximately 216,000 acre-
2 feet annually from aquifer storage since the 1950's resulting in declining ground water levels in the aquifer
3 and declining spring flows from the aquifer; and
4

5 WHEREAS, the State of Idaho relies on spring discharge from the ESPA through the Thousand
6 Springs to assist in meeting the minimum streamflow water rights at the Murphy Gage that were
7 established under the Swan Falls Agreement; and
8

9 WHEREAS, the ESPA Comprehensive Aquifer Management Plan (CAMP) and the Idaho State Water
10 Plan established managed recharge as being an appropriate means to enhance ground and surface water
11 supplies, help maintain and increase aquifer levels, and change the timing and availability of water
12 supplies to meet demand; and
13

14 WHEREAS, the 2016 Idaho Legislature passed and approved Senate Concurrent Resolution 136
15 directing the Idaho Water Resource Board (IWRB) to develop the capacity to achieve 250,000 acre-feet of
16 annual average managed recharge to the ESPA by December 31, 2024; and
17

18 WHEREAS, House Bill 547 passed and approved by the 2014 legislature allocates \$5 million
19 annually from the Cigarette Tax to the IWRB for statewide aquifer stabilization; and
20

21 WHEREAS, Senate Bill 1402 passed and approved by the 2016 Legislature allocated \$5 million in
22 ongoing General Fund dollars and \$2.5 million in Economic Recovery Reserve Funds to the IWRB's
23 Secondary Aquifer Fund for statewide water sustainability and aquifer stabilization; and
24

25 WHEREAS, the IWRB intends to provide financial incentives to maximize recharge of water
26 available under its water right permit.
27

28 NOW, THEREFORE BE IT RESOLVED that the IWRB adopts the following recharge delivery payment
29 structure for canals that divert below Minidoka Dam (Lower Valley):
30

- 31 • Aug. 1st – Nov. 15th = \$7/af
- 32 • Nov. 16th – Feb. 15th = \$10/af
- 33 • Feb. 16th – Jul. 31st = \$5/af; and

34 NOW, THEREFORE BE IT FURTHER RESOLVED that the IWRB shall have an annual meeting in the
35 fall with the IWRB recharge partners to determine the recharge distribution plan for the upcoming
36 recharge season to optimize IWRB natural flow recharge.
37

38 NOW, THEREFORE BE IT FURTHER RESOLVED that the IWRB will offer conveyance and operational
39 contracts of up to 5-year terms and the designated rate will apply for the term of the conveyance and
40 operational contract; and

41
42 NOW, THEREFORE BE IT FURTHER RESOLVED that the IWRB's ESPA managed recharge program
43 will be coupled with a continuous monitoring program to verify the effects of managed recharge, and if
44 necessary, modify the recharge program based on evaluation of the effects; and

45
46 NOW, THEREFORE BE IT FURTHER RESOLVED that the IWRB authorizes its chairman or designee,
47 Brian Patton, Executive Officer to the IWRB, to execute the necessary agreements or contracts for IWRB
48 ESPA Managed Recharge Program conveyance and operational fees.

DATED this 26th day of July, 2019.



ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST



VINCE ALBERDI, Secretary

BEFORE THE IDAHO WATER RESOURCE BOARD

**IN THE MATTER OF AQUIFER STABILIZATION
AND CLOUD SEEDING IN THE UPPER SNAKE,
WOOD, AND BOISE RIVER BASINS**

**RESOLUTION TO APPROVE FUNDS FOR THE
COOPERATIVE CLOUD SEEDING PROGRAM**

1 WHEREAS, House Bill 547, passed and approved by the 2014 legislature, allocates \$5,000,000 annually
2 from the Cigarette Tax to the Idaho Water Resource Board (IWRB) for statewide aquifer stabilization, with the funds
3 to be deposited into the Secondary Aquifer Planning, Management, and Implementation Fund; and
4

5 WHEREAS, cloud seeding was identified as a strategy in the Eastern Snake Plain Aquifer Comprehensive
6 Management Plan (ESPA CAMP) for which stabilization and recovery of the ESPA is a principal goal, and was
7 identified as a strategy in the draft Treasure Valley Comprehensive Management Plan; and
8

9 WHEREAS, a well-managed cloud seeding program can increase winter snowpack as much as 10% or more,
10 and thereby increase surface water runoff, resulting in more surface water for all uses, including aquifer
11 management projects, and less supplemental ground water pumping; and
12

13 WHEREAS, an existing water user and county-led cloud seeding program has been in place in the Upper
14 Snake River Basin for decades and a similar water user led program has existed in the Boise River Basin that has
15 resulted in increased runoff; and
16

17 WHEREAS, the Idaho Power Company (IPC) established a remote-operated "Pilot Program" and brought its
18 operational experience gained from its Payette River Basin program to the ESPA, as a result of the ESPA CAMP. The
19 two cloud seeding programs in the Upper Snake River Basin are currently operating in parallel and cooperate on
20 operational matters; and
21

22 WHEREAS, water users in the Boise River and the Wood River Basins agreed to share in the operation and
23 maintenance costs of a collaborative cloud seeding program with IPC, which includes the use of remote ground-
24 based generators and aircraft; and
25

26 WHEREAS, discussions between IPC, the IWRB and water users resulted in the creation of a Cooperative
27 Cloud Seeding Program (Program) to expand IPC's cloud seeding operations in the Upper Snake River Basin and
28 establish IPC run programs in the Boise River Basin, and Wood River Basin with support from the IWRB and water
29 users; and
30

31 WHEREAS, while a comprehensive and versatile cloud seeding program includes aircraft and ground based
32 generators, the use of aircraft is particularly effective for increasing snowpack because it can be used to target
33 specific storms; the IWRB and IPC currently share the costs associated with three aircraft which perform cloud
34 seeding in the Boise, Wood River, and Upper Snake River basins; and
35

36 WHEREAS, to further enhance the Cooperative Cloud Seeding Program's operational capabilities in the
37 Upper Snake River Basin, and to take advantage of appropriate storms that may pass through the region, the IWRB
38 and IPC have discussed adding a fourth aircraft to provide two aircraft dedicated to this basin specifically; and
39

40 WHEREAS, the IWRB's annual budget for the Cooperative Cloud Seeding Program's operations and
41 maintenance for Fiscal Year 2020 authorized expenditures of up to \$1.17 million, which included one third of
42 expenses related to the operation of a fourth aircraft to be dedicated to the Upper Snake River Basin; and
43

44 WHEREAS, IPC has requested, should both parties agree to contract a fourth aircraft, the IWRB contribute

45 fifty percent of the costs until an analysis of benefits to various water users resulting from cloud seeding snow
46 augmentation activities has been completed, and a more appropriate division of funding between IPC, IWRB, and
47 other water users can be determined. A commitment of fifty percent of the costs would increase the total authorized
48 expenditures for operations and maintenance from \$1.170 to \$1.232 million; and
49

50 WHEREAS, in 2011 IPC began working with the National Center for Atmospheric Research (NCAR), Boise
51 State University (BSU), and University of Arizona (UOA) to develop a model known as the Weather Research and
52 Forecasting Cloud Seeding Module (WRF-CSM) to enhance cloud seeding by providing improved forecasting and
53 guidance for cloud seeding operations, simulations for project planning, and to estimate cloud seeding benefits by
54 tracking snow accumulation with and without cloud seeding; and
55

56 WHEREAS, on August 30, 2017, the IWRB authorized expenditures for reimbursement to IPC for up to fifty
57 percent of actual costs towards the development of the WRF-CSM; estimated at the time to be \$2.94 million. This
58 funding was authorized for expenditures through calendar year 2020, in an amount not to exceed \$1.47 million,
59 subject to availability of annual appropriations; and
60

61 WHEREAS, due to the computing capacity requirements of the WRF and WRF-CSM, a high performance
62 computing (HPC) system is required for its operation, and each HPC holds a life span of approximately five to eight
63 years. Throughout the developmental process, the WRF-CSM has been housed under contract on an HPC owned by
64 UOA, which is nearing the end of its lifecycle and will not be replaced. The acquisition of a new HPC will be required
65 to operate the WRF-CSM model; and
66

67 WHEREAS, IPC, after consideration of multiple contract options, has chosen to collaborate with BSU and
68 the Idaho National Laboratory (INL) to purchase a new HPC. The purchase costs will be divided based on the
69 proportionate operational capacity dedicated to each user, or the total number of "cores" each party will receive;
70 and
71

72 WHEREAS, BSU will procure the new HPC through a formal state bidding process and it will be physically
73 housed at the Collaborative Computing Center (C3) on the INL Education Campus in Idaho Falls, ID; and
74

75 WHEREAS, the equipment expenses related to the purchase of the HPC are \$1.4 million and IPC has
76 requested a fifty percent cost share commitment by the IWRB, or an estimated \$700,000.
77

78 WHEREAS, the IWRB, through its Fiscal Year 2020 Budget Resolution, allocated \$500,000 towards the total
79 equipment costs of a new HPC, but required additional approval by IWRB resolution to authorize expenditures for
80 the budgeted purpose; and
81

82 WHEREAS, IPC, throughout the continued development of the WRF-CSM and verification of field data
83 collected during the National Science Foundation (NSF) funded SNOWIE 2017 project, has identified significant issues
84 related to the data inputs with the WRF model upon which the WRF-CSM is based. Further research and analysis
85 based on the SNOWIE 2017 data are required to resolve these issues; and
86

87 WHEREAS, the original Principal Investigators (PI) of the 2017 SNOWIE project are in the process of applying
88 to NSF for additional funding to continue analyzing the data. In order to apply new findings to the WRF, or the WRF-
89 CSM, NCAR will need to continue their involvement in the project, and must be funded from resources other than
90 NSF. As such, IPC would request that the IWRB make a commitment to a fifty percent cost share in NCAR's portion
91 of the project costs; and
92

93 WHEREAS, the IWRB directed staff to evaluate the benefits of additional runoff generated through cloud
94 seeding by quantifying the distribution of the increased in water supply (benefits analysis). IDWR staff, in
95 consultation with IPC, proposes to evaluate these benefits using hydrographs with and without cloud seeding to
Resolution No. 19-2019

96 represent potential additional runoff resulting from cloud seeding in the Boise, Wood, and Upper Snake River basins,
97 followed by a routing analysis to identify beneficiaries of the estimated additional runoff.
98

99 WHEREAS, IDWR staff propose to contract with BSU to develop the basin hydrographs for use in the routing
100 analysis at an estimated cost of \$25,000; and
101

102 WHEREAS, the IWRB, through its Fiscal Year 2020 Budget Resolution, committed funding for program
103 development activities in an amount up to \$200,000, subject to further authorization by IWRB resolution; and
104

105 NOW, THEREFORE BE IT RESOLVED that the IWRB authorizes expenditures not to exceed \$25,000 from the
106 Secondary Aquifer Planning, Management, and Implementation Fund, for expenses related to the development of
107 hydrographs to be used in a benefits analysis.
108

109 BE IT FURTHER RESOLVED that the IWRB authorizes expenditures not to exceed \$1.232 million from the
110 Secondary Aquifer Planning, Management, and Implementation Fund in Fiscal Year 2020 for operations and
111 maintenance expenditures for the Cooperative Cloud Seeding Program, which includes fifty percent of the expenses
112 for a fourth aircraft.
113

114 BE IT FURTHER RESOLVED that the IWRB authorizes expenditures not to exceed \$500,000 from the
115 Secondary Aquifer Planning, Management, and Implementation Fund for equipment expenses related to the
116 acquisition of a new HPC in Fiscal Year 2020, and authorizes expenditures not to exceed a total of \$700,000 through
117 Fiscal Year 2021, and subject to the availability of annual appropriations.
118

119 BE IT FURTHER RESOLVED that the IWRB authorizes expenditures not to exceed a total of \$600,000 in Fiscal
120 Years 2021-2023, from the Secondary Aquifer Planning, Management, and Implementation Fund for expenses
121 related to the SNOWIE extension project, subject to the availability of annual appropriations.
122

123 BE IT FURTHER RESOLVED that the IWRB authorizes its chairman or designee, Brian Patton, Executive Officer
124 to the IWRB, to execute the necessary agreements or contracts for the authorized expenditures and IWRB program
125 participations outlined in the above resolutions.

DATED this 26th day Of July, 2019.


ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST 
VINCE ALBERDI, Secretary

BEFORE THE IDAHO WATER RESOURCE BOARD

IN THE MATTER OF THE HENRYS FORK
STREAM CHANNEL ALTERATION PERMIT No.
21-20108

RESOLUTION TO APPROVE STREAM
ALTERATION

1 WHEREAS, in 1992 the Idaho Water Resource Board adopted the Henrys Fork
2 Comprehensive Basin Plan and the Plan specifies that alterations to stream channel for new
3 private stream access facilities may be allowed with approval by the Idaho Water Resource
4 Board; and

5
6 WHEREAS, the Henrys Fork Village HOA is planning a new private stream access project
7 to provide river access to HOA members through the seasonal installation of two (4'x16')
8 mobile piers to include a (6'x6') "T" at the end of each pier; and

9
10 WHEREAS, Joint Application for Permit to Alter a Stream Channel, No. 21-20108 was
11 filed with the Idaho Department of Water Resources for this project; and

12
13 WHEREAS, IDWR Stream Channel Alteration staff have reviewed the project and have
14 indicated they will issue the permit for the project pending IWRB approval; and

15
16 NOW THEREFORE BE IT RESOLVED that the Board hereby approves the Henrys
17 Fork Village HOA private stream access project as filed with the Department through Permit No.
18 21-20108.
19

DATED this 26th day of July, 2019.



ROGER W. CHASE, Chairman
Idaho Water Resource Board

ATTEST


VINCE ALBERDI, Secretary