

REFERENCE TITLE: watershed health; use; survey

State of Arizona  
Senate  
Fifty-fifth Legislature  
First Regular Session  
2021

# **SB 1474**

Introduced by  
Senator Engel: Representative Rodriguez

AN ACT

AMENDING SECTIONS 45-101, 45-105, 45-151, 45-152.01 AND 45-172, ARIZONA  
REVISED STATUTES; RELATING TO WATERS.

(TEXT OF BILL BEGINS ON NEXT PAGE)

1 Be it enacted by the Legislature of the State of Arizona:

2 Section 1. Section 45-101, Arizona Revised Statutes, is amended to  
3 read:

4 45-101. Definitions

5 In this title, unless the context otherwise requires:

6 1. "Appropriator" means the person or persons initiating or  
7 perfecting the right to use appropriable water based on state law, or the  
8 person's successor or successors in interest.

9 2. "Department" means the department of water resources.

10 3. "Director" means the director of water resources, who is also  
11 the director of the department.

12 4. "ECOLOGICAL WATER NEEDS" MEANS WATER SUFFICIENT TO SUSTAIN  
13 FRESHWATER ECOSYSTEMS, INCLUDING RIPARIAN AREAS, AND THE WILDLIFE HABITAT,  
14 HUMAN LIVELIHOODS AND WELL-BEING THAT DEPEND ON THOSE ECOSYSTEMS.

15 ~~4.~~ 5. "Effluent" means water that has been collected in a sanitary  
16 sewer for subsequent treatment in a facility that is regulated pursuant to  
17 title 49, chapter 2. Such water remains effluent until it acquires the  
18 characteristics of groundwater or surface water.

19 ~~5.~~ 6. "Groundwater" means water under the surface of the earth  
20 regardless of the geologic structure in which it is standing or moving.  
21 Groundwater does not include water flowing in underground streams with  
22 ascertainable beds and banks.

23 ~~6.~~ 7. "Interstate stream" means any stream constituting or flowing  
24 along the exterior boundaries of this state, and any tributary originating  
25 in another state or foreign country and flowing into or through this  
26 state.

27 ~~7.~~ 8. "Riparian area" means a geographically delineated area with  
28 distinct resource values, that is characterized by deep-rooted plant  
29 species that depend on having roots in the water table or its capillary  
30 zone and that occurs within or adjacent to a natural perennial or  
31 intermittent stream channel or within or adjacent to a lake, pond or marsh  
32 bed maintained primarily by natural water sources. Riparian area does not  
33 include areas in or adjacent to ephemeral stream channels, artificially  
34 created stockponds, man-made storage reservoirs constructed primarily for  
35 conservation or regulatory storage, municipal and industrial ponds or  
36 man-made water transportation, distribution, off-stream storage and  
37 collection systems.

38 ~~8.~~ 9. "Sanitary sewer" means any pipe or other enclosed conduit  
39 that carries, among other substances, any water-carried wastes from the  
40 human body from residences, commercial buildings, industrial plants or  
41 institutions.

42 ~~9.~~ 10. "Surface water" means the waters of all sources, flowing in  
43 streams, canyons, ravines or other natural channels, or in definite  
44 underground channels, whether perennial or intermittent, floodwater,  
45 wastewater or surplus water, and of lakes, ponds and springs on the

1 surface. For the purposes of administering this title, surface water is  
2 deemed to include central Arizona project water.

3 11. "WATERSHED HEALTH USES" MEANS WATER THAT IS CONSERVED IN A  
4 NATURAL WATERCOURSE AND NOT OTHERWISE USED AND THAT SUPPORTS THE  
5 ATTRIBUTES OF WATERSHED HEALTH FOR AN INDIVIDUAL WATERSHED AS PRESCRIBED  
6 IN THE REPORT REQUIRED BY SECTION 45-105, SUBSECTION B.

7 Sec. 2. Section 45-105, Arizona Revised Statutes, is amended to  
8 read:

9 45-105. Powers and duties of director

10 A. The director may:

11 1. Formulate plans and develop programs for the practical and  
12 economical development, management, conservation and use of surface water,  
13 groundwater and the watersheds in this state, including the management of  
14 water quantity and quality.

15 2. Investigate works, plans or proposals pertaining to surface  
16 water and groundwater, including management of watersheds, and acquire,  
17 preserve, publish and disseminate related information the director deems  
18 advisable.

19 3. Collect and investigate information on and prepare and devise  
20 means and plans for the development, conservation and utilization of all  
21 waterways, watersheds, surface water, groundwater and groundwater basins  
22 in this state and of all related matters and subjects, including  
23 irrigation, drainage, water quality maintenance, regulation of flow,  
24 diversion of running streams adapted for development in cooperating with  
25 the United States or by this state independently, flood control,  
26 utilization of water power, prevention of soil waste and storage,  
27 conservation and development of water for every useful purpose.

28 4. Measure, survey and investigate the water resources of this  
29 state and their potential development and cooperate and contract with  
30 agencies of the United States for such purposes.

31 5. Acquire, hold and dispose of property, including land,  
32 rights-of-way, water and water rights, as necessary or convenient for the  
33 performance of the groundwater and water quality management functions of  
34 the department.

35 6. Acquire, other than by condemnation, construct, improve,  
36 maintain and operate early warning systems for flood control purposes and  
37 works for the recovery, storage, treatment and delivery of water.

38 7. Accept grants, gifts or donations of money or other property  
39 from any source, which may be used for any purpose consistent with this  
40 title. All property acquired by the director is public property and is  
41 subject to the same tax exemptions, rights and privileges granted to  
42 municipalities, public agencies and other public entities.

43 8. Enter into an interagency contract or agreement with any public  
44 agency pursuant to title 11, chapter 7, article 3 and contract, act

1 jointly or cooperate with any person to carry out the purposes of this  
2 title.

3 9. Prosecute and defend all rights, claims and privileges of this  
4 state respecting interstate streams.

5 10. Initiate and participate in conferences, conventions or  
6 hearings, including ~~meetings of the Arizona water resources advisory~~  
7 ~~board~~, congressional hearings, court hearings or hearings of other  
8 competent judicial or quasi-judicial departments, agencies or  
9 organizations, and negotiate and cooperate with agencies of the United  
10 States or of any state or government and represent this state concerning  
11 matters within the department's jurisdiction.

12 11. Apply for and hold permits and licenses from the United States  
13 or any agency of the United States for reservoirs, dam sites and  
14 rights-of-way.

15 12. Receive and review all reports, proposed contracts and  
16 agreements from and with the United States or any agencies, other states  
17 or governments or their representatives and recommend to the governor and  
18 the legislature action to be taken on such reports, proposed contracts and  
19 agreements. The director shall take action on such reports, if authorized  
20 by law, and review and coordinate the preparation of formal comments of  
21 this state on both the preliminary and final reports relating to water  
22 resource development of the United States army corps of engineers, the  
23 United States secretary of the interior and the United States secretary of  
24 agriculture, as provided for in the flood control act of 1944 (58 Stat.  
25 887; 33 United States Code section 701-1).

26 13. Contract with any person for imported water or for the  
27 acquisition of water rights or rights to withdraw, divert or use surface  
28 water or groundwater as necessary for the performance of the groundwater  
29 management functions of the director prescribed by chapter 2 of this  
30 title. If water becomes available under any contract executed under this  
31 paragraph, the director may contract with any person for its delivery or  
32 exchange for any other water available.

33 14. Recommend to the administrative heads of agencies, boards and  
34 commissions of this state, and political subdivisions of this state, rules  
35 to promote and protect the rights and interests of this state and its  
36 inhabitants in any matter relating to the surface water and groundwater in  
37 this state.

38 15. Conduct feasibility studies and remedial investigations  
39 relating to groundwater quality and enter into contracts and cooperative  
40 agreements under section 104 of the comprehensive environmental response,  
41 compensation, and liability act of 1980 (P.L. 96-510) to conduct such  
42 studies and investigations.

43 16. Dispose informally by stipulation, agreed settlement, consent  
44 order or alternative means of dispute resolution, including arbitration,

1 if the parties and director agree, or by default of any case in which a  
2 hearing before the director is required or allowed by law.

3 17. Cooperate and coordinate with the appropriate governmental  
4 entities in Mexico regarding water planning in areas near the border  
5 between Mexico and Arizona and for the exchange of relevant hydrological  
6 information.

7 B. The director shall:

8 1. Exercise and perform all powers and duties vested in or imposed  
9 on the department and adopt and issue rules necessary to carry out the  
10 purposes of this title.

11 2. Administer all laws relating to groundwater, as provided in this  
12 title.

13 3. Be responsible for the supervision and control of reservoirs and  
14 dams of this state and, when deemed necessary, conduct investigations to  
15 determine whether the existing or anticipated condition of any dam or  
16 reservoir in this state is or may become a menace to life and property.

17 4. Coordinate and confer with and may contract with:

18 (a) The Arizona power authority, the game and fish commission, the  
19 state land department, the Arizona outdoor recreation coordinating  
20 commission, the Arizona commerce authority, the department of health  
21 services, active management area water authorities or districts and  
22 political subdivisions of this state with respect to matters within their  
23 jurisdiction relating to surface water and groundwater and the development  
24 of state water plans.

25 (b) The department of environmental quality with respect to title  
26 49, chapter 2 for its assistance in the development of state water plans.

27 (c) The department of environmental quality regarding water plans,  
28 water resource planning, water management, wells, water rights and  
29 permits, and other appropriate provisions of this title pertaining to  
30 remedial investigations, feasibility studies, site prioritization,  
31 selection of remedies and implementation of the water quality assurance  
32 revolving fund program pursuant to title 49, chapter 2, article 5.

33 (d) The department of environmental quality regarding coordination  
34 of databases that are necessary for activities conducted pursuant to title  
35 49, chapter 2, article 5.

36 5. Cooperate with the Arizona power authority in the performance of  
37 the duties and functions of the authority.

38 6. Maintain a permanent public depository for existing and future  
39 records of stream flow, groundwater levels and water quality and other  
40 data relating to surface water and groundwater.

41 7. Maintain a public docket of all matters before the department  
42 that may be subject to judicial review pursuant to this title.

43 8. Investigate and take appropriate action on any complaints  
44 alleging withdrawals, diversions, impoundments or uses of surface water or

1 groundwater that may violate this title or the rules adopted pursuant to  
2 this title.

3 ~~9. Report to and consult with the Arizona water resources advisory~~  
4 ~~board at regular intervals.~~

5 ~~10.~~ 9. Adopt an official seal for the authentication of records,  
6 orders, rules and other official documents and actions.

7 ~~11.~~ 10. Provide staff support to the Arizona water protection fund  
8 commission established pursuant to chapter 12 of this title.

9 ~~12.~~ 11. Exercise and perform all powers and duties invested in the  
10 chairperson of the Arizona water banking authority commission as  
11 prescribed by chapter 14 of this title.

12 ~~13.~~ 12. Provide staff support to the Arizona water banking  
13 authority established pursuant to chapter 14 of this title.

14 13. ON OR BEFORE DECEMBER 31 EVERY THREE YEARS AFTER THE INITIAL  
15 PRELIMINARY SURVEY, ISSUE A REPORT THAT INCLUDES AN ASSESSMENT OF THE  
16 OVERALL HEALTH OF EACH WATERSHED IN THIS STATE. ANY AGENCY OR POLITICAL  
17 SUBDIVISION OF THIS STATE THAT HAS INFORMATION RELEVANT TO DEVELOPING THE  
18 SURVEY AND REPORT PRESCRIBED BY THIS PARAGRAPH, INCLUDING THE  
19 DETERMINATIONS, ASSESSMENTS AND RECOMMENDATIONS PRESCRIBED BY THIS  
20 PARAGRAPH, SHALL COOPERATE WITH THE DIRECTOR AND SHALL TIMELY PROVIDE  
21 INFORMATION REQUESTED BY THE DIRECTOR. THE ASSESSMENT OF THE OVERALL  
22 HEALTH OF EACH WATERSHED IN THIS STATE SHALL BE BASED ON AN EVALUATION OF  
23 THE FOLLOWING ATTRIBUTES OF THE WATERSHED:

24 (a) HYDROLOGY.

25 (b) LANDSCAPE CONDITION.

26 (c) HABITAT CONDITION.

27 (d) GEOMORPHOLOGY.

28 (e) WATER QUALITY.

29 (f) BIOLOGICAL CONDITION, INCLUDING THE BIODIVERSITY OF PLANTS,  
30 ANIMALS AND AQUATIC SPECIES.

31 (g) THREATS TO OR VULNERABILITIES OF THE WATERSHED THAT IMPACT THE  
32 ATTRIBUTES PRESCRIBED BY THIS PARAGRAPH.

33 14. In the year following each regular general election, present  
34 information to the committees with jurisdiction over water issues in the  
35 house of representatives and the senate. A written report is not required  
36 but the presentation shall include information concerning the following:

37 (a) The current status of the water supply in this state and any  
38 likely changes in that status.

39 (b) Issues of regional and local drought effects, short-term and  
40 long-term drought management efforts and the adequacy of drought  
41 preparation throughout the state.

42 (c) The status of current water conservation programs in this  
43 state.

44 (d) The current state of each active management area and the level  
45 of progress toward management goals in each active management area.

1 (e) Issues affecting management of the Colorado river and the  
2 reliability of this state's two million eight hundred thousand acre-foot  
3 allocation of Colorado river water, including the status of water supplies  
4 in and issues related to the Colorado river basin states and Mexico.

5 (f) The status of any pending or likely litigation regarding  
6 surface water adjudications or other water related litigation and the  
7 potential impacts on this state's water supplies.

8 (g) The status of Indian water rights settlements and related  
9 negotiations that affect this state.

10 (h) Other matters related to the reliability of this state's water  
11 supplies, the responsibilities of the department and the adequacy of the  
12 department's and other entities' resources to meet this state's water  
13 management needs.

14 Sec. 3. Section 45-151, Arizona Revised Statutes, is amended to  
15 read:

16 45-151. Right of appropriation; permitted uses; water rights  
17 in stockponds

18 A. Any person, ~~the THIS state of Arizona~~ or a political subdivision  
19 ~~thereof~~ OF THIS STATE may appropriate unappropriated water for domestic,  
20 municipal, irrigation, stock watering, water power, recreation, wildlife,  
21 including fish, nonrecoverable water storage pursuant to section  
22 45-833.01, ~~or~~ mining uses OR WATERSHED HEALTH USES, for ~~his~~ personal use  
23 or for delivery to consumers. The person, ~~the THIS state of Arizona~~ or a  
24 political subdivision ~~thereof~~ OF THIS STATE first appropriating the water  
25 shall have the better right.

26 B. To effect the beneficial use, the person, ~~the THIS state of~~  
27 ~~Arizona~~ or a political subdivision ~~thereof~~ OF THIS STATE appropriating the  
28 water may construct and maintain reservoirs, storage facilities pursuant  
29 to chapter 3.1 of this title, dams, canals, ditches, flumes and other  
30 necessary waterways.

31 C. A water right in a stockpond, certified pursuant to article 10  
32 of this chapter, shall be recognized as if such water had been  
33 appropriated pursuant to this article.

34 Sec. 4. Section 45-152.01, Arizona Revised Statutes, is amended to  
35 read:

36 45-152.01. Instream flow applications; process; definition

37 A. In addition to the information prescribed in section 45-152, any  
38 person, including the United States, this state or a municipality, who  
39 files an instream flow application after ~~the effective date of this~~  
40 ~~section~~ AUGUST 2, 2012 shall comply with the following:

41 1. The applicant shall submit at least five years of streamflow  
42 measurement data to support the proposed beneficial use which shall be  
43 submitted at the time the application is filed. The director shall not  
44 accept for filing an instream flow application that is not accompanied by  
45 at least five years of continuous streamflow measurement data. The

1 streamflow data submitted shall consist of gauged on-site measurements of  
2 available water flow from the area in which the claimed beneficial use  
3 occurs.

4 2. The instream flow application shall describe the proposed  
5 beneficial use and shall specify both of the following:

6 (a) The amount of streamflow required for the proposed beneficial  
7 use.

8 (b) The availability of the requested flows during claimed periods  
9 of beneficial use.

10 B. Applications that are submitted after ~~the effective date of this~~  
11 ~~section~~ AUGUST 2, 2012 shall be rejected if the application does not  
12 comply with this section.

13 C. THIS SECTION DOES NOT APPLY TO APPLICATIONS FOR A PERMIT TO MAKE  
14 AN APPROPRIATION OF WATER FOR WATERSHED HEALTH USES UNDER SECTION 45-152.

15 ~~C.~~ D. For the purposes of this section, "instream flow  
16 application" means an application for a permit to make an appropriation of  
17 water for purposes of recreation or wildlife, including fish, in a  
18 specific stream reach without diverting the water from the stream.

19 Sec. 5. Section 45-172, Arizona Revised Statutes, is amended to  
20 read:

21 45-172. Transfer of water rights; application; limitations;  
22 required consent

23 A. A water right may be severed from the land to which it is  
24 appurtenant or from the site of its use if for other than irrigation  
25 purposes and with the consent and approval of the owner of such right may  
26 be transferred for use for irrigation of agricultural lands or for  
27 municipal, WATERSHED HEALTH, stock watering, power and mining purposes and  
28 to the state or its political subdivisions for use for recreation and  
29 wildlife purposes, including fish, without losing priority theretofore  
30 established, subject to the following limitations and conditions:

31 1. Except as otherwise provided in this section no such severance  
32 or transfer shall be made unless approved by the director, and the  
33 approval of the director shall prescribe the conditions of the approval.

34 2. Vested or existing rights to the use of water shall not be  
35 affected, infringed ~~upon nor~~ ON OR interfered with, and in no event shall  
36 the water diverted or used after the transfer of such rights exceed the  
37 vested rights existing at the time of such severance and transfer, and the  
38 director shall by order so define and limit the amount of water to be  
39 diverted or used annually subsequent to such transfer.

40 3. The water rights sought to be transferred shall have been  
41 lawfully perfected under the laws of the territory or the state of Arizona  
42 and shall not have thereafter been forfeited or abandoned.

43 4. No such severance or transfer of water rights shall be permitted  
44 or allowed from lands within the exterior boundaries of any irrigation  
45 district, agricultural improvement district or water users' association



1 without first having obtained the written consent and approval of such  
2 irrigation district, agricultural improvement district or water users'  
3 association.

4 5. No right to the use of water on or from any watershed or  
5 drainage area ~~which~~ THAT supplies or contributes water for the irrigation  
6 of lands within an irrigation district, agricultural improvement district  
7 or water users' association shall be severed or transferred without the  
8 consent of the governing body of such irrigation district, agricultural  
9 improvement district or water users' association. All proposed  
10 applications for the severance and transfer of a right to use water of or  
11 from any watershed or drainage area ~~which~~ THAT supplies or contributes  
12 water for the irrigation of lands within any irrigation district,  
13 agricultural improvement district or water users' association shall be  
14 submitted to the governing body of such irrigation district, agricultural  
15 improvement district or water users' association ~~prior to~~ BEFORE the  
16 filing of such application with the director. Within forty-five days  
17 after the receipt of the application such governing body shall reject or  
18 approve the proposed application. Failure of such governing body to  
19 approve or reject the proposed application within forty-five days after  
20 receipt shall constitute approval of the proposed application by such  
21 governing body. No application for the severance or transfer of a right  
22 to the use of water of or from any watershed or drainage area ~~which~~ THAT  
23 supplies or contributes water for the irrigation of lands within any  
24 irrigation district, agricultural improvement district or water users'  
25 association shall be accepted for filing by the director unless  
26 accompanied by the written consent of the governing body of such  
27 irrigation district, agricultural improvement district or water users'  
28 association to the proposed application or by satisfactory evidence that  
29 such governing body failed to either accept or reject the proposed  
30 application within forty-five days after receipt by such governing body.

31 6. A severance and transfer of an irrigation water right  
32 appurtenant to lands within the boundaries of an irrigation district to  
33 other lands within the boundaries of the same irrigation district for  
34 agricultural use may be accomplished by the exclusion of lands to which a  
35 water right is appurtenant from within the boundaries of an irrigation  
36 district, and the inclusion in lieu of other lands within the boundaries  
37 of such irrigation district. Such severance and transfer of a water right  
38 shall require the consent of only the irrigation district within which the  
39 affected lands are situated and of the owners of the lands affected by the  
40 severance and transfer. No proceedings before ~~nor~~ OR approval by the  
41 director shall be required to accomplish such severance and transfer.

42 7. An application for severance and transfer of a water right shall  
43 be filed with the director. The director shall give notice of the  
44 application by publication once a week for three successive weeks in a  
45 newspaper of general circulation in the county or counties in which the

1 watershed or drainage area is located. The notice shall state that any  
2 interested person may file written objections to the proposed severance  
3 and transfer with the director within thirty days after the last  
4 publication of the notice. In appropriate cases, including cases in which  
5 an objection has been filed, an administrative hearing may be held before  
6 the director's decision on the application if the director deems a hearing  
7 necessary.

8 B. Section 45-114, subsections A and B govern administrative  
9 proceedings, rehearing or review and judicial review of final decisions of  
10 the director under this section.

11 Sec. 6. Survey of status of waters of this state;  
12 definitions; delayed repeal

13 A. The director of water resources shall:

14 1. Establish a set of standard measures, using the best available  
15 science, to define ecological water needs in this state. The standard  
16 measures established by the director of water resources shall include  
17 criteria for examining the relationship between ecological water needs,  
18 groundwater withdrawal and surface water appropriations in this state.

19 2. On or before December 31, 2023, publish a preliminary survey of  
20 the status of the waters of this state, including the following:

21 (a) A watershed by watershed description of the waters of this  
22 state, including an assessment of the overall health of the watershed as  
23 prescribed by section 45-105, subsection B, Arizona Revised Statutes, as  
24 amended by this act.

25 (b) A description of each subwatershed in which there is  
26 insufficient water to satisfy the ecological water needs that are  
27 identified as prescribed in paragraph 1 of this subsection.

28 (c) A determination of the appropriate methods and steps necessary  
29 to monitor, maintain, improve and restore the ecosystems of each  
30 watershed.

31 (d) A recommendation of any statutory changes that are needed to  
32 facilitate actions supporting the ecological water needs of this state.

33 3. Provide for notice and comment of the preliminary survey by:

34 (a) Posting on the department of water resources' website the  
35 preliminary survey prescribed by subsection A, paragraph 2 of this  
36 section, copies of all notices required by section 41-1022, Arizona  
37 Revised Statutes, and all proposed rulemakings.

38 (b) Notifying by first class mail, fax or email each person who has  
39 made a timely request to the department of water resources for  
40 notification of the preliminary survey prescribed by subsection A,  
41 paragraph 2 of this section or for notification of all proposed  
42 rulemakings under section 41-1022, Arizona Revised Statutes.

43 (c) Holding an open meeting and taking public comment not sooner  
44 than sixty days after the department of water resources provides  
45 notification under subdivisions (a) and (b) of this paragraph.

1 (d) Responding in writing to all public comments, whether received  
2 at the hearing or otherwise, that are received by a date announced by the  
3 director of water resources in the initial notice.

4 4. Post the final survey and responses to all public comments  
5 received on the department of water resources' website for a period of not  
6 less than six months.

7 B. Any agency or political subdivision of this state that has  
8 information relevant to developing the survey, the determinations and the  
9 recommendations prescribed by this section shall cooperate with the  
10 director of water resources and shall timely provide information requested  
11 pursuant to this section by the director of water resources.

12 C. For the purposes of this section, "ecological water needs",  
13 "groundwater" and "surface water" have the same meanings prescribed in  
14 section 45-101, Arizona Revised Statutes, as amended by this act.

15 D. This section is repealed from and after September 30, 2024.