

Last Name	First Name	Question Asked	Answer Given	Answerer
Linsley	Roxanne	use of the toolkit is not required to talk to staff, correct?	Well only after we roll it out after input	David Lelsz
Green	Bryon	Sound is great, now. Thanks.		
Green	Bryon	So, Alamo Lake, which was built for flood control to manage precipitation runoff, would no longer be considered WOTUS, correct? And, therefore, the (non-existent) Bill Williams River from Alamo Dam to the Bill Williams River NWR would also not be WOTUS, correct?		
Daconta	Joseph	Is the flow regimes on this map, ie. intermittent, predicated on the USACOE definition of intermittent?		
Balluff	Tricia	Understood that ADEQ cannot delineate site-specific WOTUS up front as part of this effort. Can ADEQ make site-specific WOTUS determinations upon request, in general, or is ADEQ generally deferring that to the Corps?		
Linsley	Roxanne	Pima COunty Flood Control, as well as each county's Flood Control District can provide data that may be missing from youru map.		
Waldron	Russell	What about the "contributes flow to a TNW in a typical year" requirement for WOTUS? - toolkit flow chart slide		
Thomas	Scott	With respect to the data sources for the flow regime map: (1) What is Arizona Nonpoint Education for Municipal Officials (who puts it on, using what data); (2) what AGFD data is used to help populate the map? Also, any sense of when the map might be made accessible to the public?		
Pinto	Joe	So if discharges are going to a MS4 but not a TNW, a permit is not needed?		
McAdams	David	So if we have a retention basin for 25-year rain even tthat keeps us discharging, how does that effect us		
Mattox	April	What percentage of watercourses are expected to have a determination when the flow regime map is published in October?		
Linsley	Roxanne	TNW is used in flow chart, but Chris keeps refering to WOTUS. Should WOTUS be included in the quetion with TNW?		
DAcosta	Carl	Is it possible to have access to the ADEQ Flow Regime Map? I googled it, and when I click on the link it says "this site requieres ArcGIS credentials"	The Flow Regime Map is currently offline. It is being updated and context regarding source of information is being added. As soon as it is complete, it will be reposted. Stakeholders will receive notification which it is back online.	Gunn GCI
Balluff	Tricia	So terminal basin is looking at more of a watershed level assessment?		
Pinto	Joe	If MS4s always discharge to a WOTUS, then shouldn't that be the first question asked, not if discharges go to a TNW?		
Yantorno	Duane M	What data is used in the USGS Rain Drop Model?		
Lindenlaub	Brian	Have any MS4 holders revisited their circumstances (i.e. canceled coverage) in light of NWPR?		
DAcosta	Carl	perfect. The map looks like a great resource. Cant wait to get my hands on it		
Hinchcliffe	Sarah	Are water systems such as the Arizona Canal System considered WOTUS or at least relatively permanent waters?		
Thomas	Scott	Does ADEQ envision making additional TNW calls as part of permitting decisions, or will it (at least for the short term) simply rely on those determinations already made by the Corps?		
Pinto	Joe	Can this toolkit be used for construction projects or is it intended solely for facilities?		
Sorensen	Marcia	When MS4 Phase I and II permittees are renewing their permits, will the ADEQ provide a checklist of needed modifications to include to conform to to the new criteria?		
Gadre	Disha	Does the toolkit walk us through what to measure and how?		
Green	Bryon	Is there access to the USGS flow regime maps?		
Balluff	Tricia	Will the background literature used to support or provide information for the risk assessment tool be provided to the public?		
Yantorno	Duane M	Groundwater Level - is ADEQ going to assert jurisdiction over subsurface flow under a surface water permit program?		
Leidy	Robert	How do you assess a discharge that reaches a TNW directly or through a relatively permanent water through an ephmeral stream in a typical year?		
Hertz	Lauren	Is the Verde River a WOTUS?		
Mattox	April	What is the length threshold for a "channelized conveyence" to be too long to qualify ?		
Mattox	April	Wouldn't a natural channelized conveyence also be known as an ephemeral watercourse? What is the difference?		
Gadre	Disha	Are we expecting the final toolkit to have the risk quantified as a number or just visuals which will help qualitatively evaluate risk?		
Greenslade	William	Will the presentation of this webinar be available for download after it ends?	PPT Slides will be posted online as soon as tomorrow. Staff will record a video of this presentation later this week and it will be posted when available. Notification will be sent when the video is posted.	Gunn GCI
Delgadillo	Eder	Based on the new definition of a WOTUS, does ADEQ have a list of all waterways that fall under this new definiton to help the regulated community in determining if AZPDES coverage is required?		
Linsley	Roxanne	Will. the Flow regime map have the "how often" it flows?		

		I assume the flow regime map will identify the waters that are clearly WOTUS, but (given some of the complexities of the rule), would not be an all-inclusive map of WOTUS. Or is ADEQ proposing to answer the question of typical year and ephemeral breaks in the flow regime map? If not, please include language on the flow regime map that explains the limitations of using the map for determining if a waterbody is a WOTUS or not.	
Balluff	Tricia		
Waldron	Russell	Is there a distance from a RPW that would mitigate the risk from a ephemeral conveyance?	
Simmons	Jessica	Is there a difference between TNW and WOTUS?	
Kasanneni	Swathi	Cannot hear anything	
Card	Joan	How can your "flowchart" red section definitely determine no permit is required if it doesn't include a "typical year" analysis?	
Yantorno	Duane M	When will ADEQ have the Typical Year Tool?	
McCune	Justine	I think it would be helpful if the flow regime map had flow direction portrayed	
Lindenlaub	Brian	There still seems to be a lack of clarity regarding discharges to ephemeral waters that are ultimately tributary to a TNW. How far away is too far for AZPDES coverage?	
Balluff	Tricia	Is there going to be an official comment period after this stakeholder meeting? And if so, by when does ADEQ want comments?	
Buss	Robert	How does this permit relate to the 404 permit?	
Collins	Kelly	If there is an existing discharge in an otherwise ephemeral non-WOTUS water course, does that discharger still need a permit?	
phoebus	betsi	Please show the list of collaborating agencies again. Thanks!	
Light	Marie	What would you do when entity decides a reaches qualifies for an AZPDES permit and another entity decides the same reach does not qualify for an AZPDES permit?	
Balluff	Tricia	Will there be an opportunity for the permitted public to beta test the toolkit before it's finalized?	
Kammerle	Robert	What happens if you have ephemeral washes that discharge into a downstream water that has previously determined to be non jurisdictional?	
Kalluri	Sirisha	Will flow regime map help determine if a Clean Water Permit is required or do we still have to contact USACE?	
Hall	Laura	This looks like a great tool, thank you!	
Hall	Ned	Q. Can ADEQ provide a tutorial on how to use USGS StreamFlow-Rain Drop tool within StreamStat? We have looked for online tutorials, and their is little online even on USGS's site for Raindrop. We cannot reproduce the Raindrop results that ADEQ has on their slide. Please consider providing a live demo of the tool via youtube or similar platform so customers can see how the Kingman WWTP, Holbrook and other examples in ADEQ's presentation were derived. Thank you.	
Cabrera	Michael	Is ADEQ seeking Corps review/approval for jurisdictional determinations that ADEQ performs for this toolkit? Will they be shown on the toolkit map?	
Leidy	Robert	Will flow regime maps be linked to the data supporting a reach specific determination?	
Casteel	Victoria	Can you provide some guidance on how to evaluate risk for permittees? If the permittee determines that they don't need a permit based on distance to the nearest WOTUS, and it turns out that they do in fact need a permit, what are the potential repercussions?	
Hertz	Lauren	How do you access the Toolkit? And can you go through an example not on the ppt. step by step?	
Teyechea	Maya	What is the timeline for the map to be back online?	
Palumbo	Linda	The toolkit use seems specific to a single point source. How should it be applied to a larger area, such as an MS4?	
Nunez	Christine	How are recharge sites/basins handled if they are adjacent to a ephemeral stream, but there are flora in the area of the planned site?	
Belzer	Wayne	Is a effluent dominated stream that would not contain water otherwise be classified as WOTUS	
Balluff	Tricia	Will there be something in the fact sheet about the potential inaccuracies (or risk of inaccuracies) in using some of these remote sensing tools in urban areas?	
Lemley	Jeff	Will the GIS layers created by ADEQ be available to the public to integrate into their GIS systems?	USGS Raindrop tool is here-> <a href="https://streamstats.usgs.gov/ss/">https://streamstats.usgs.gov/ss/</a> David Lelsz
Palumbo	Linda	How is ADEQ defining riparian vegetation?	
Angueira	Tony	Should the Army Corps of Engineers be added as a resource? (ref slide 3 or 4)	
Mattox	April	In the example from Buckeye along the Gila River, would locations not directly adjacent to the river require coverage?	
Nunez	Christine	So MS4's will be required to make determinations for others within our MS4 service area?	
Balluff	Tricia	I don't think WOTUS is any more clear for MS4s at this point than for anyone else.	
Mattox	April	For example around the "Buckeye" label.	
Papa-Konomi	Marinela	ADEQ is updating the streams layer in the eMaps (currently draft 2020). Are the colors (legend) used in this map the same as the legend in the Flow Regime Map?	
Chavez	Kenya	Will a construction site that discharges to an MS4 that discharges to a WOTUS require AZPDES GCP coverage?	
Chrisman Lazarr	Natalie	Is there a map with all the extents of MS4s in eMaps?	
Fonseca	Julia	Can you clarify how you are planning to change the MS4 permit language when these are renewed?	
Waldron	Russell	would a dam be considered a break in the flow path to a TNW?	

Yantorno	Duane M	To get back to the USGS use Runoff coefficient, soil types....?
Leidy	Robert	Point of clarification: intermittent and perennial tributaries that flow to a TNW through an ephemeral channel in a typical year are also WOTUS.
Decker	Lee	Is ADEQ planning to do flow regime determinations for waters located within one of Arizona's Indian reservations?
Villegas	Selso	Does this Toolkit apply to tribal lands?
Amaya	George	An MS4 may change due to NWPR
Mattox	April	How would the non-professional trying to determine if they were discharging to an MS4?
Gadre	Disha	Doesn't a municipality always have an AZPDES permit so an industrial facility doesn't need to get one of their own if they discharge to MS4?
Palumbo	Linda	What guidance is ADEQ providing to MS4s to identify WOTUS in their jurisdiction?
Mattox	April	*if they needed a permit determine
Balluff	Tricia	I think it would be more clear to say that if your flow can't be traced to a WOTUS or MS4, it doesn't need a permit, rather than TNW. Might just reduce the confusion between the "no" and "yes" options on the flow chart.
Killeen	Matt	An MS4 may maintain coverage as an evaluation of relative risk not definitive connection to WOTUS. How can we (or why should we) determine eligibility for local CGP coverage.
Engelmann	Nichole	What about wetlands and those wetlands not deemed "adjacent wetlands"
Lipinski	Dave	Is it possible to provide the links to the USGS raindrop tool and the ADEQ Flow Regime Maps?
Card	Joan	To follow up on my previous question, if the tool doesn't do the typical year analysis, the flow chart can't definitively be used to conclude a permit is not required. In other words, shouldn't the red section be deleted from the flow chart?
Villegas	Selso	Does this Toolkit apply to Tribal lands?
Castaneda	Derek	How far back do you need to go back in the past in order to determine if a water was traditionally perennial, intermittent, ephemeral or do you use current state? Some may now be impacted by human intervention? ie waddell dam no longer allows natural flows down the agua fria and excessive gw pumping in the tucson area has impacted santa cruz levels...
Engelmann	Nichole	Have the National Wetlands Inventory data been used?
Burtell	Rich	Are all perennial and intermittent streams, by definition, also TNW's
Balluff	Tricia	I see that canals are listed as "not applicable" on the flow regime map, but what about canals that discharge to potential or known WOTUS? Could those be considered as providing a connecting flow path?
Zimmerman	Jeffrey	What are the reasons someone would get a permit if they don't need one?
Hertz	Lauren	Does the gisweb.azdeq.gov fit into all this?
Linsley	Roxanne	If an area is undetermined, do you go to the third section of the flow chart?
Harms	Russell	Do flow regime analyses have to extend beyond the state line?
Dey	Stephen	Is data stormflow data being collected by ADEQ Citizen Scientist groups being used for the flow regime?
Yantorno	Duane M	Will ADEQ be using industry data if available to be used in the Flow Regime map?
Corcoran-Shannon	Alexandra	I understand that a few permits may have been terminated or withdrawn already. I'm looking at the Permits in Process map right now and the legend shows markers for withdrawn and terminated permits, indicating that these should appear on that map. Yet no withdrawn or terminated permits appear in the map, the list, or the spreadsheet. Where is this info? Does ADEQ intend to make information on terminated and withdrawn permits publicly available through the PIP?
Linsell	Robert	Waste water plants were the predominantly used examples for the use of the toolkit; what about land disturbance that only creates turbidity that discharges to an unknown, ephemeral wash many miles from a WOTUS.
Behney	Charles	What is a damaged water, under the new determinations?
Green	Bryon	How about the Bill Williams River?
DAcosta	Carl	IS the Hassayampa a WOTUS?
Kozakiewicz	Scott	This conversation has brought a lot of clarity. Thank you.
Balluff	Tricia	Thank you for the info on the Salt! I'm happy to hear it is considered WOTUS.
Waldron	Russell	Granite Reef Dam separates the Salt River from the nearest TNW on the Gila River at Powers Butte.
Card	Joan	What is the limit of the WOTUS status on the Salt River? Where does the WOTUS end if at all?
Lynch	Ben	As far as MS4's go is there a locations map for these anymore? The EPA one is no longer updated.
Mosbrucker	Marty	If an MS-4 discharges to an Ephemeral stream only, would the MS-4 still be required to obtain a permit?
Decker	Lee	Does ADEQ plan to use its screening tools in determining what surface waters in Arizona are subject to the current surface water quality standards in Arizona Administrative Code Title 18, Chapter 11, Article 1?
phoebus	betsti	Suggest adding ADWR and UofA Water Resources Research Center to the data sources.
Papa-Konomi	Marinela	ADEQ is listing the Skunk Creek in the eMaps as an impaired (2020). Is ADEQ considering the Skunk Creek intermittent or ephemeral?

Engelmann	Nichole	What about agricultural drains that convey water into a WOTUS (like the Gila River)?
James	Lacey	If there is construction discharge that doesn't have the risk to reach a TNW but does have a contaminate do they still have to comply with the APP requirements?
Sydnor	Rebecca	Will ADEQ delineate and publish all the terminal basins?
McVie	Christina	what is link to riparian vegetation mapping? thank you
Hertz	Lauren	Are the tools, like the raindrop linked from ADEQ website?
Thomas	Scott	How will ADEQ address a situation where a discharge is to a clearly ephemeral (non-jurisdictional) water and the flow path between the discharge and the nearest TNW is a mixture of ephemeral and non-ephemeral segments? That scenario effectively forces ADEQ (and the permittee) to identify the nearest WOTUS to the discharge, which in turn requires an analysis of connection in a typical year, In the absence of federal guidance on typical year, has ADEQ considered how to do that?
James	Lacey	Have you talked with ADWR staff who is working on the Gila River Adjudication and the modeling that is being done on subflow.
Leidy	Robert	Yes, EPA has given you the Typical Year Tool.
Waldron	Russell	Lake pleasant dam does not release water into the Agua Fria river historic channel in a typical year, so no flow makes it to Powers Butte on the Gila River. Therefore, everything upstream of Lake pleasant is not a WOTUS and no permit would be required unless attached to a MS4 permit?
Linsley	Roxanne	Will there be a notification that teh toolkit map is updated so that if someone origiannly didn't nee d a pemrit, may need one after an update?
phoebus	betsi	Yes, that's it - thanks.
dubois	james	On the flow chart, how does effluent dependent water factor into the decision process?
Nunez	Christine	Is this being recorded for future?
Mattox	April	So, Is there actually a "tool" that will be available, or is it really just a list of websites people can look guess if they need a permit?
Mattox	April	What does the end product look like? My impression is that people think there is going to be a comprehensive webpage that they can use to determine if they need coverage or not.
ROOT	BRIAN	DOES ADEQ MONITOR OR MEASURE DISCHARGE TO A WOTUS AT THE POINT O F ENTRY ???
Bowers	Rion	What is the purpose of the ADEQ tool if Corps is the regulatory authority?
Chrisman Lazarr	Natalie	Please add which canals serve as channelized conveyance to a WOTUS
Himes	Jill	This is not a question but a possible data source is the Corp's published AJD's available online (LA District Regulatory webpage)- for example, Red Lake was determined to be a non-jurisdictional isolated water even before the new regulations went into effect. Probably new info on flow regimes (i.e. ephemeral) will be available when new AJDs are processed this year.
Leidy	Robert	can a discharge make an otherwise ephmeral feature a intermittent/perennial WOTUS?
Collins	Kelly	regarding existing discharge - does the perennial discharge create a WOTUS?
Linsley	Roxanne	so you still need to go to multiple tools? they are not combined into one application?
Nunez	Christine	Is there going to be a clear definition between continous channel and phepmeral flows? Meaning actual flowing that are llikely to get to a WOTUS, versus ephmeral which is likely to percolate before ever getting to a WOTUS?
Nunez	Christine	Sotty typos
Nunez	Christine	Sorry typos LOL
Hoppes	Christina	I do not see the Gila River listed as a perennial water on the Flow Regime Map.
Nunez	Christine	Yes I was thinking riparian potential
Nunez	Christine	Thinking planned facility location
Nordan	Laura	I've lost audio. Can others hear?
Nordan	Laura	nevermind got it back
Linsley	Roxanne	How do MS4s tell you about the area chagnes? can we get those on the ADEQ GIS map layer?
Amaya	George	How often does ADEQ inspect CGP?
Thomas	Scott	Under the Department's apparent interpretation of the Abston case (i.e., placement of a pollutant in an ephemeral channel where it may eventually migrate to a WOTUS could trigger CWA liability), isn't basically EVERY discharge potentially regulated, in the absence of a time component? For example, sediment discharged from a construction site may migrate to a downstream WOTUS over a period of months, years or decades. How can a discharger ever have any degree of confidence about the need for a permit (unless they are in a closed basin with no TNWs)?
Ford	Melanie	I heard you say that an effluent discharge can create conditions for a relatively permanent water (edw) that would be a WOTUS. How would you relate this to your first use case of the Kingman WWTP, which was determined not to need a permit? Regardless of whether flow travels to a TNW, wouldn't they need to consider whether their discharge creates a relatively permanent water?
Nunez	Christine	Flow chart suggestion, MS4 in a separate flow, since differing rules including MSGP's apply
Leidy	Robert	EPA Clarification ADEQ statement: Intermittent/perennial tributaries that connect to a TNW through an ephmeral stream in a typical year are WOTUS.
Linsley	Roxanne	IT was for unknown flow regime

		When ADEQ makes a determination about WOTUS in the course of enforcement or other activities, will that decision be publicly available in some form for others to use in decisionmaking?	
dubois	james		
McCune	Justine	Cochise County also has a floodplain division. This might be useful for flow regime.	
		The repeated assertion by the speaker regarding unbroken chain is potentially inaccurate. The agencies clarified in the NWPR that the chain can be broken as long as there is a connection in a typical year.	
Kirschner	Lisa		
		2 comments (not questions, no need to address on the call): (1) the NWPR preamble is pretty clear that you look at current state when assessing flow conditions; (2) ephemeral breaks do not sever all potential upstream jurisdiction under the final rule (as EPA just clarified) - that was true in the proposal, but not the final rule.	
Thomas	Scott	Please repeat the comment from the EPA about an ephemeral break...	
Logan	Sheila		
Palumbo	Linda	Will the 303(d) list be revised to only reflect WOTUS?	
		Why is Adwr not making or involved in basin level and surface water determinations?	
Fitzpatrick	Ryan		
Killeen	Matt	So with the forthcoming small MS4 permit iteration if a current MS4 applies ADEQ will determine eligibility?	I wish! David Lelsz
		I believe the term should be impaired waters. What changes ,if any, are there to determination of what constitutes an impaired e.	
Dey	Stephen		
		Suggestion for the flowchart... unless a 'facility' is defined as any potential permittee, by saying facility, some construction site operators may not realize this applies to their sites as well.	
Sydnor	Rebecca		
		Will the flow regime map data be available on an interactive map (e.g., ADEQ eMaps)?	
Casteel	Victoria		
		As an example: The San Pedro has ephemeral sections, but at least several times a year it flows unbroken to the Gila. This should make the San Pedro a Wotus, correct.	
Dey	Stephen		
		So the Typical Year analysis is going to be important . It should be part of these tools.	
Yantorno	Duane M		
		Are you basing WOTUS off of the new NWPR or historic WOTUS? Reason why I ask is most/many MS4s discharge into historic WOTUS that may be deemed non jurisdictional under NWPR	
Pinto	Joe		
		How will existing TMDLs be dissolved if non-WOTUS? Will there non-applicability be noticed?	
Killeen	Matt		
		Following up on the impaired waters questions, sounds like ADEQ will not address until it has a better handle on the impact of the NWPR. Will development of the 2020 list be delayed until ADEQ has a better grasp of that? Seems like an issue many states may have . . .	
Thomas	Scott		
		If a TNW goes through an MS4, is the TNW included as part of the MS4?	
dubois	james		
McVie	Christina	how will this impact outstanding AZ waters?	
		ADEQ is listing the Skunk Creek in the eMaps as an impaired (2020).	
		So is ADEQ considering the Skunk Creek intermittent?	
Papa-Konomi	Marinela		
		Thank you for this extended Q&A period, it has been very helpful.	
Killeen	Matt		
		Kudos to all!	
macklin	laura		
		Thanks everyone this was awesome!!	
Balluff	Tricia	Thanks, ADEQ, for a great meeting! This was a great discussion.	Thank you! David Lelsz
Escareno	Eddy		
		Thank you	
Tarr	Kenneth		
		Thanks Guys!	
Peterson	Zachary		
		Thank you ADEQ, very helpful.	
Escareno	Eddy		
		Great stuff	
Klein	Maribeth		
		Thank you for a great discussion.	
Escareno	Eddy		
		Very informative	
Dey	Stephen		
		Thanks for a great presentation. I enjoy bei g a citizen scientists.	
Waldron	Russell		
		thanks	