Here are my comments on the Draft Nevada 2016-2018 Water Quality Integrated Report

Page Number	Comment
ES-3	Figure ES-2 should also include the hydrographic region numbers 1-14 (in addition to the hydrographic region names). It is unclear what the colors (blue, green, yellow, and purple) indicate in Figure ES-2. Definitions of what each color indicates should be added to the Key. If the colors don't have meaning then the color scheme should match Figure 1 on Page 4.
ES-4	According to convention, the names of all bacterial taxa should be italicized when written. Therefore, *Escherichia (E.) coli* should be italicized.
ES-5	Table ES-1 lists "Analysis Temperature" as a parameter causing impairments. Hopefully waterbodies are not being placed on the 303(d) List based on the temperature of the water quality sample measured by the analytical laboratory. Also some parameters in this table have units attached to them and some do not.
ES-7	Sometimes beneficial use names are *italicized* and sometimes they are not and it is unclear why.
ES-7	"Rather, meeting water quality standards for municipal or domestic supply ensures that a water can be made potable through treatment." I recommend changing this to state: a water can be treated by conventional methods of water treatment in order to comply with Nevada's drinking water standards.
ES-9	Table ES-3 is somewhat misleading. I know that it is titled "Examples of some of Nevada's EPA-approved TMDLs" but a person glancing at it might mistake this for a complete list of EPA-approved TMDLs in Nevada.
Page 3	NAC 445A.1242 lists all 14 as hydrographic regions (i.e. not basins). NAC 445A.1242 also lists Region No. as 1, 2, 3, etc. Not NV01, NV02, NV03, etc. I recommend matching the NAC in the Integrated Report.
Page 4	Figure 1 should also include the numbers of the hydrographic regions (1-14).
Page 7	"Beneficial uses include, but are not limited to, contact recreation, irrigation, aquatic life, watering of livestock, and drinking water supply." I recommend changing drinking water supply to municipal or domestic supply to match the NAC.
Page 7	"In many cases, river or stream systems consist of two or more reaches, which may have different beneficial uses and different numeric criteria. Reaches are established at specific control points, pursuant to NAC 445A.1239." Referred to in the NAC as segments not reaches. For example, This segment of Bilk Creek is located in Humboldt County. I recommend referring to portions of a river or stream system as a segment not a reach to match the NAC (Section 4.5.1 refers to divisions of waterbodies as segments.).
Attachments	I recommend including the name of the hydrographic region (e.g. Northwest Region) in addition to the number of the hydrographic region in the Attachment tables.
Attachment 4	Attachment 4 indicates that Washoe Lakes (NV06-SC-C_00) are being delisted for Total Phosphorus. Washoe Lakes were not listed for Total Phosphorus in the Nevada 2014 Integrated Report. The only impairment for Washoe Lakes was Mercury in Fish Tissue.

Attachment 4	This only indication of what hydrographic region these waterbodies are located in is hidden within the waterbody code. I would recommend specifically stating the hydrographic region in this table.
Attachment 5	This only indication of what hydrographic region the TMDL is located in is hidden within the waterbody code. I would recommend specifically stating the hydrographic region for each TMDL.

Here are some additional comments on the Draft Nevada 2016-2018 Water Quality Integrated Report:

Page Number	**Comment**
Attachment 1	The table states Lagomarsino Creek is "Newly Listed Waterbody in 2016-2018". However, Lagomarsino Creek was on the 2014 303(d) List for Iron.
Attachment 3	Washoe Lakes are listed for Iron 96-hr, Phosphorus total SV AQL, and TDS SV MDS. The table indicates that these are NOT New Listings. However, Washoe Lakes were only listed for Mercury in Fish Tissue in the 2014 Integrated Report.
Attachment 3	"Beneficial Use Codes: MDS = municipal and domestic supply." NAC 445A.122 lists this beneficial use as Municipal or domestic supply. I recommend changing this to match the NAC.
Attachment 3	Below the Attachment 3 table acronyms are defined (e.g. DO = dissolved oxygen). However, they are several acronyms in the table that are not defined: AA, AGM, SV. I recommend either spelling these out in the table (e.g. Annual Average). If you don't spell them out in the table, they should be defined below the table like the other acronyms.
Attachment 3	Several waterbodies are listed as being impaired by "Mercury in sed". I recommend not abbreviating sediment and list this impairment as "Mercury in Sediment".
Attachments	Washoe Lakes are listed for Phosphorus total SV AQL in Attachment 3. However, Attachment 4 indicates that Washoe Lakes (NV06-SC-C_00) are being delisted for Phosphorus, Total mg/L.

Here are some comments on the webmap:

- The webmap is named: "DRAFT Nevada 2018 Integrated Report – This map was assembled to dispense information about the waterbodies and sample locations assessed in the Nevada 2018 Integrated Report." The title of the draft IR is "Nevada 2016-2018 Water Quality Integrated Report". I recommend matching the name of the webmap with the title of the IR.
- The linework in the Las Vegas valley does not match where the waterbodies are in reality (e.g. Duck Creek, Flamingo Wash, Las Vegas Wash, Pittman Wash, etc.). I request that the linework in the Las Vegas Valley gets cleaned up to match the actual flow paths of the waterbodies.
- The Carson River does not flow in Lahontan Reservoir in the webmap. The webmap includes linework for Carson River, Dayton Bridge to Weeks Bridge at US95. This linework should be for Carson River at Lahontan Reservoir (Carson River from the Dayton Bridge to Lahontan Reservoir NAC 445A.1822).

If you have any questions about my comments, please let me know.

Cheers!

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