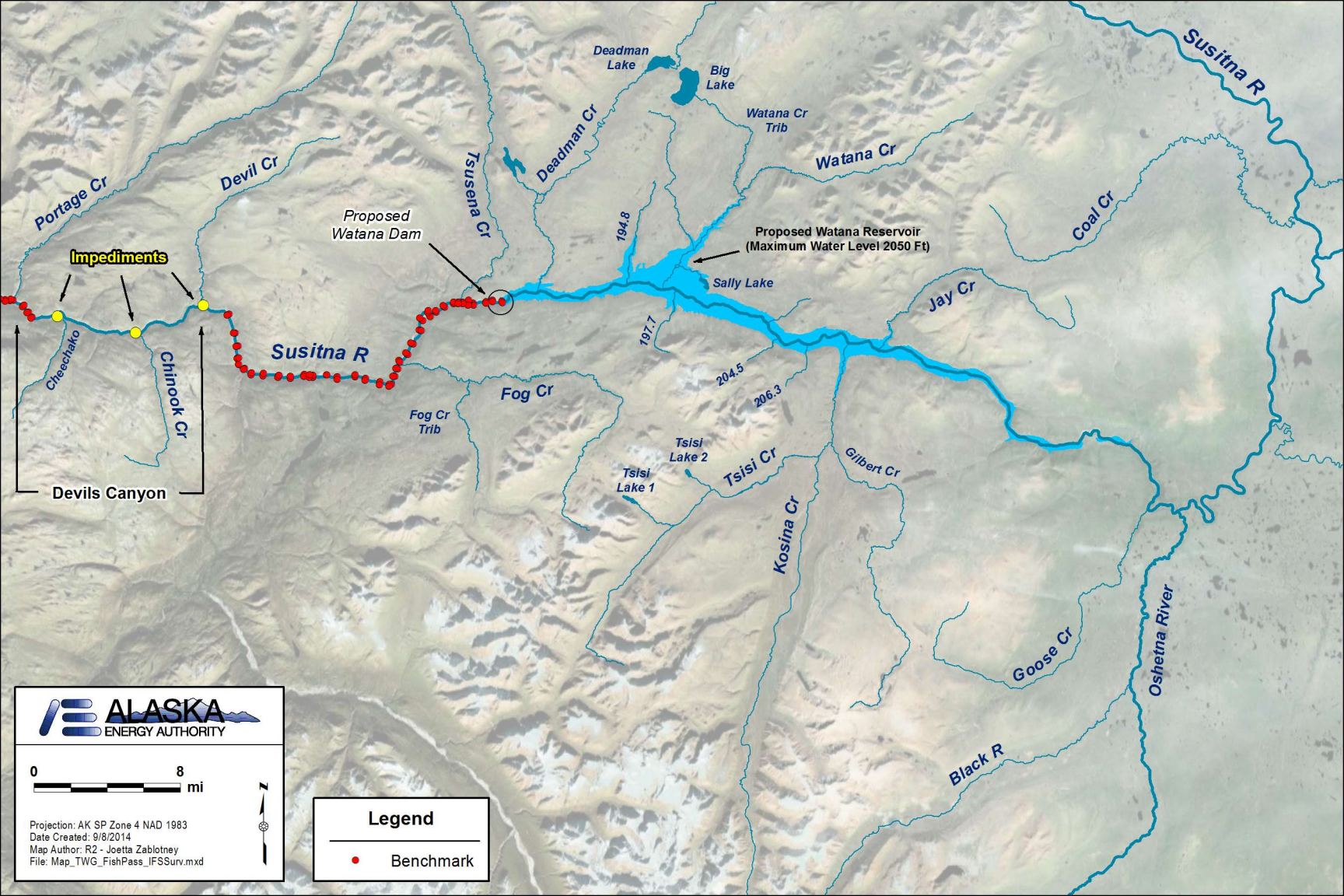


RELEVANT STUDY DATA LOCATION MAPS SEPTEMBER 9-11, 2014

The following maps were distributed at Workshop #2 to assist the FPTT in understanding the available study data locations that will assist the team with the fish passage assessment. These maps include:

- 1 Physical Survey Benchmark Locations
- 2 Stream Gaging Stations
- 3 Flow Routing Cross Section Locations (2012, 2014)
- 4 LiDAR Data Summary
- 5 Land Ownership Summary
- 6 AQHAB Survey Data Locations
- 7 Pit Tag Array, Rotary Screw Trap, and Fixed Radio Telemetry Site Locations (2013, 2014)
- 8 Life History and Fish Distribution and Abundance Sample Sites (2013)



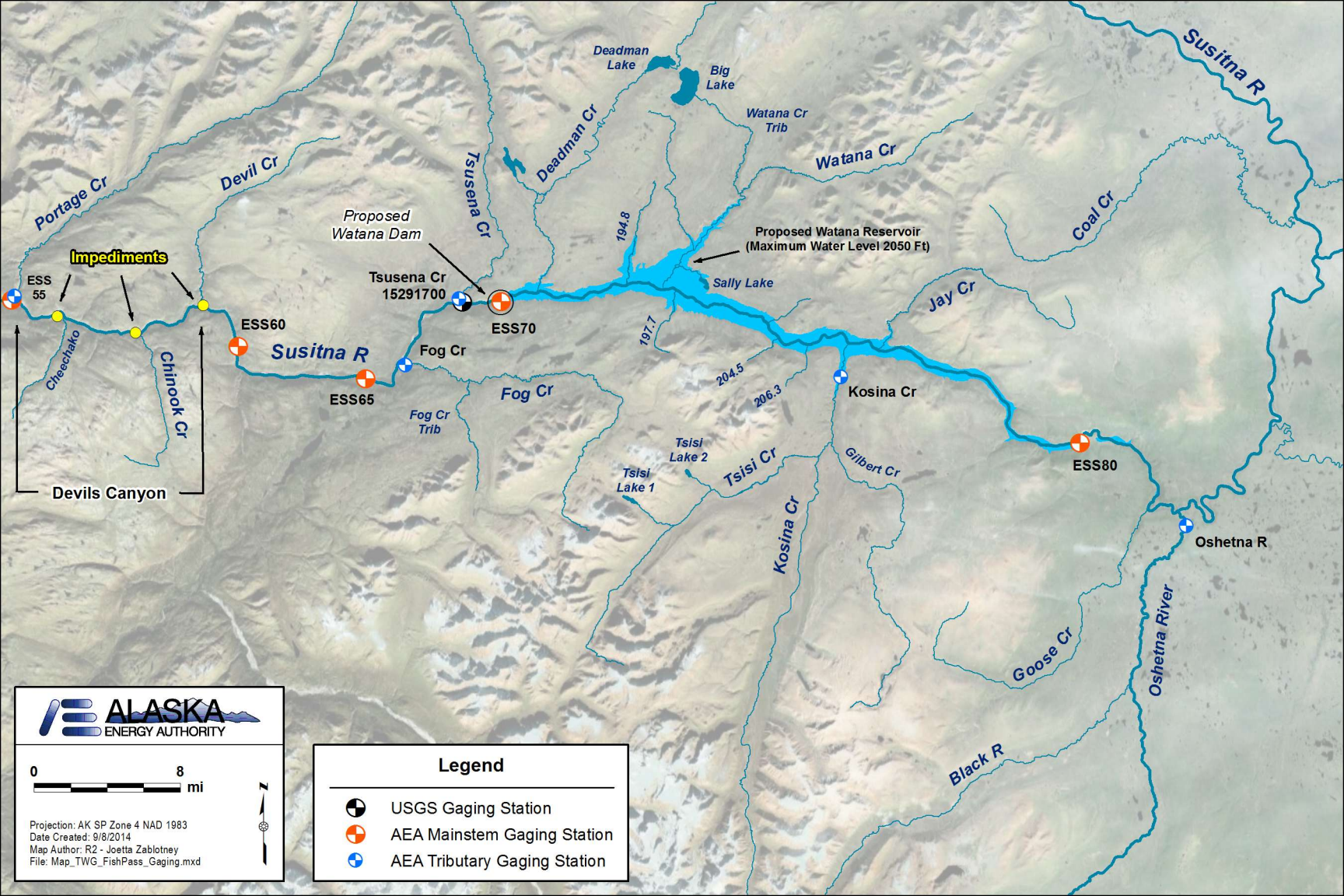
ALASKA
ENERGY AUTHORITY

0 8
mi

Projection: AK SP Zone 4 NAD 1983
Date Created: 9/8/2014
Map Author: R2 - Joetta Zaboltny
File: Map_TWG_FishPass_IFSSurv.mxd

Legend

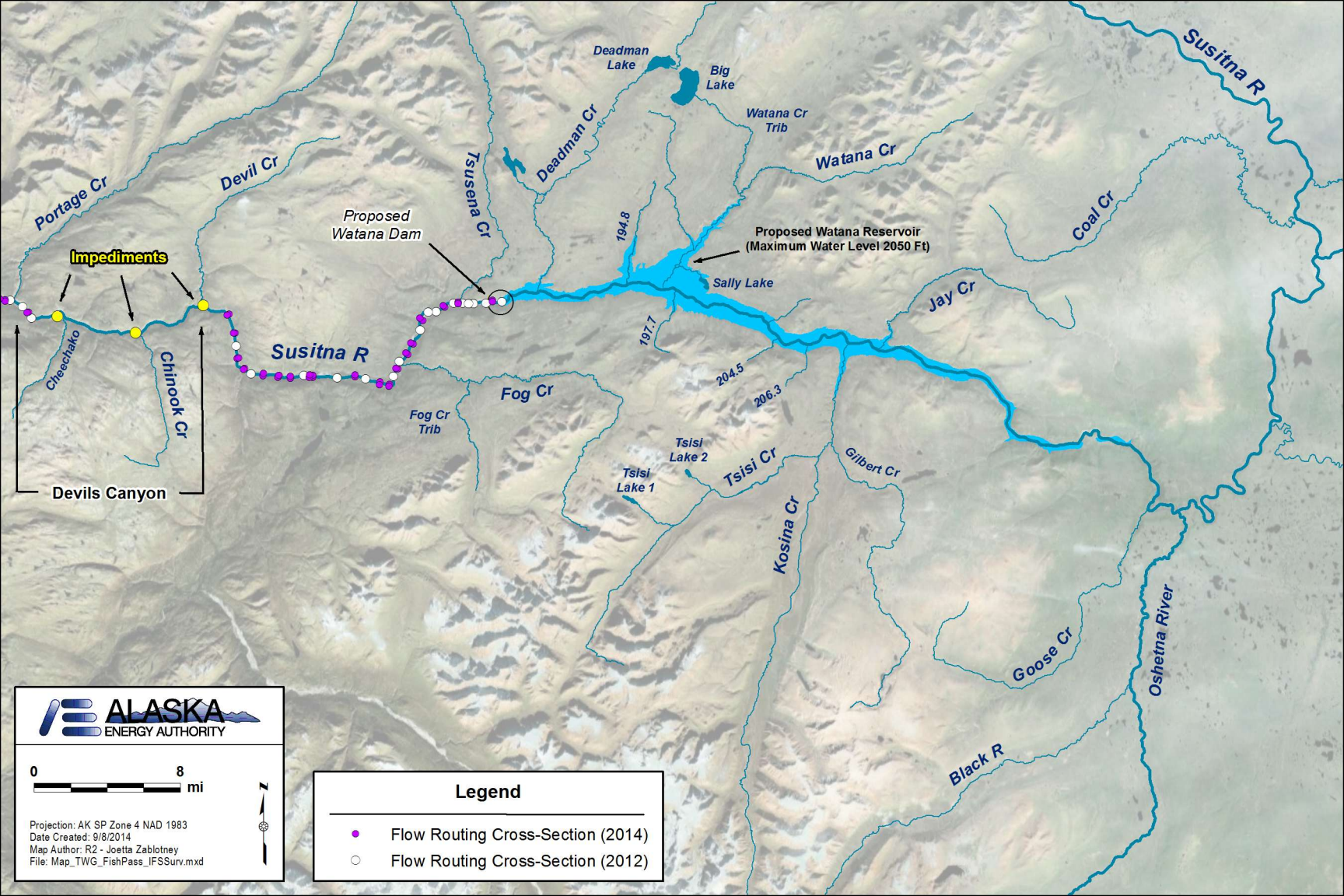
● Benchmark



Projection: AK SP Zone 4 NAD 1983
 Date Created: 9/8/2014
 Map Author: R2 - Joetta Zaboltny
 File: Map_TWG_FishPass_Gaging.mxd

Legend

-  USGS Gaging Station
-  AEA Mainstem Gaging Station
-  AEA Tributary Gaging Station



Impediments

Proposed
Watana Dam

Proposed Watana Reservoir
(Maximum Water Level 2050 Ft)

Susitna R

Cheechako Cr

Chinook Cr

Devils Canyon

Fog Cr Trib

Fog Cr

Tsisi Lake 1

Tsisi Lake 2

Tsisi Cr

Kosina Cr

Gilbert Cr

Goose Cr

Black R

Oshetra River

Deadman Lake

Big Lake

Watana Cr Trib

Watana Cr

Deadman Cr

Tsusena Cr

Devil Cr

Portage Cr

Coal Cr

Susitna R

Jay Cr

194.8

197.7

204.5

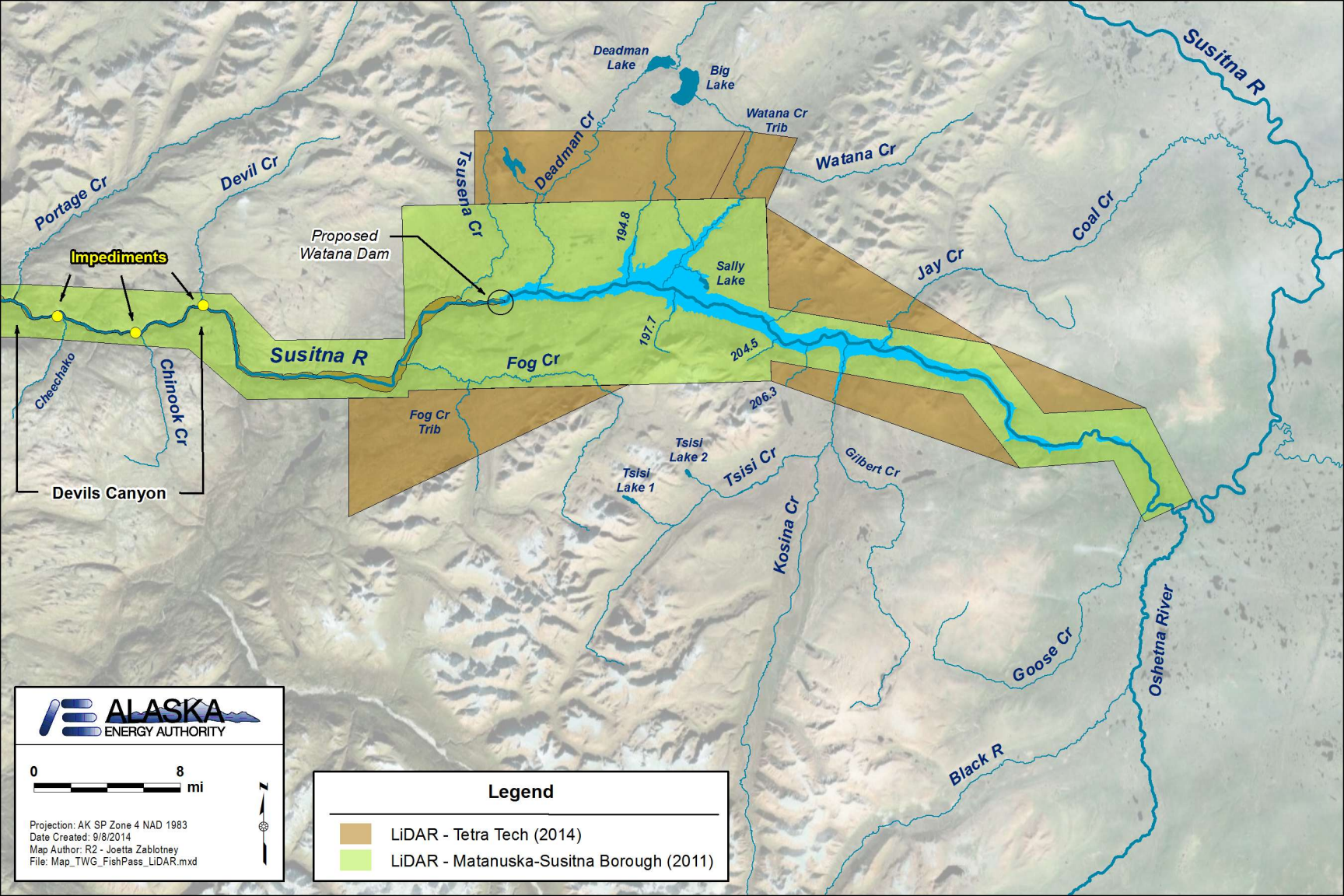
206.3



Projection: AK SP Zone 4 NAD 1983
Date Created: 9/8/2014
Map Author: R2 - Joetta Zaboltny
File: Map_TWG_FishPass_IFSSurv.mxd

Legend

- Flow Routing Cross-Section (2014)
- Flow Routing Cross-Section (2012)



Impediments

Proposed
Watana Dam

Susitna R

Fog Cr

Sally Lake

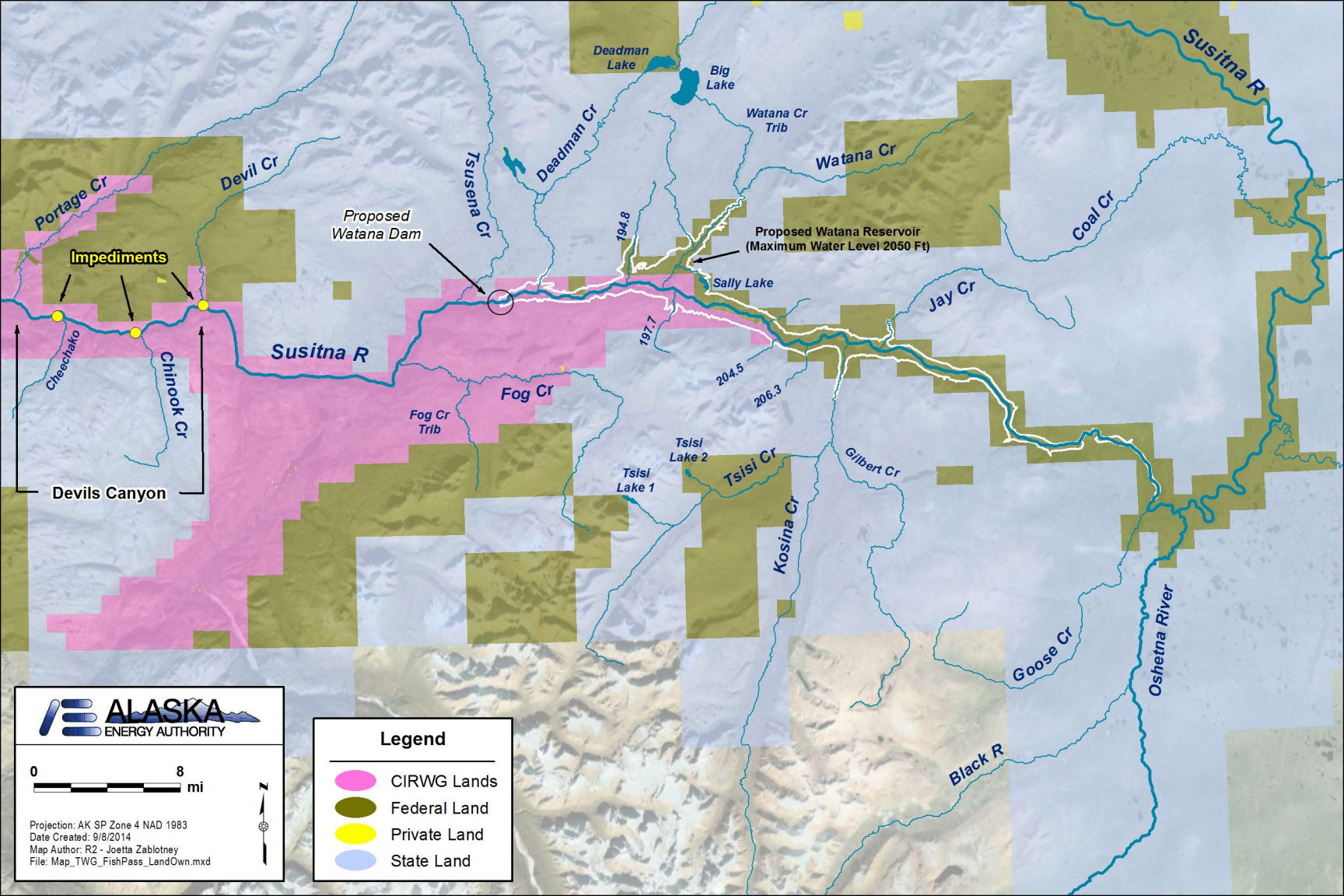
Devils Canyon

Legend





- LiDAR - Tetra Tech (2014)
- LiDAR - Matanuska-Susitna Borough (2011)

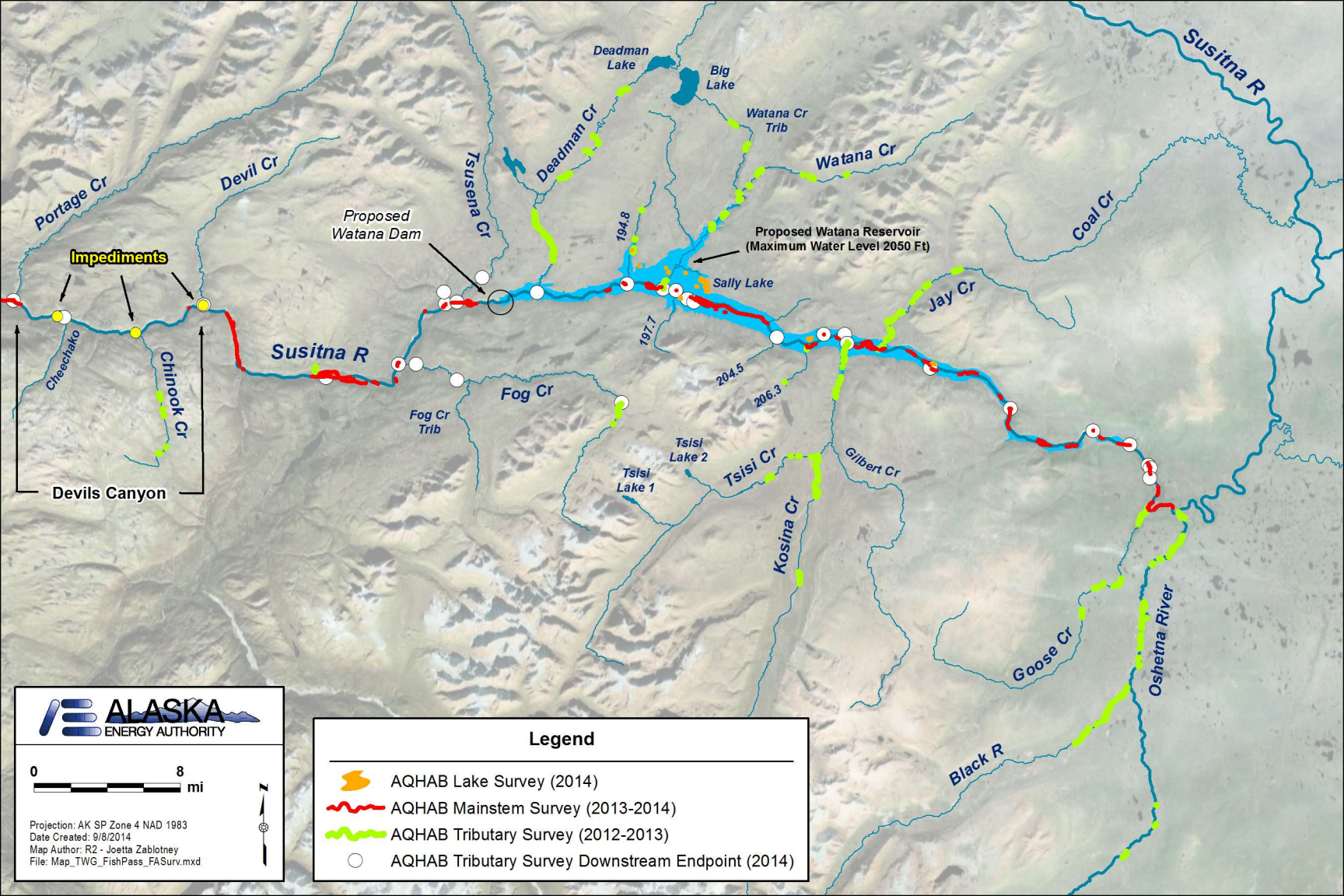


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 Date Created: 9/8/2014
 Map Author: R2 - Joetta Zaboltny
 File: Map_TWG_FishPass_LiDAR.mxd



Projection: AK SP Zone 4 NAD 1983
 Date Created: 9/8/2014
 Map Author: R2 - Joetta Zabolney
 File: Map_TWG_FishPass_LandOwn.mxd

Legend	
	CIRWG Lands
	Federal Land
	Private Land
	State Land



Impediments

Proposed
Watana Dam

Proposed Watana Reservoir
(Maximum Water Level 2050 Ft)

Cheechako

Chinook Cr

Susitna R

Devils Canyon

Fog Cr
Trib

Fog Cr

Tsisi
Lake 1

Tsisi
Lake 2

Tsisi Cr

Gilbert Cr

Kosina Cr

Goose Cr

Oshetra River

Black R

Deadman
Lake

Big
Lake

Watana Cr
Trib

Watana Cr

Susitna R

Coal Cr

Jay Cr

194.8

197.7

204.5

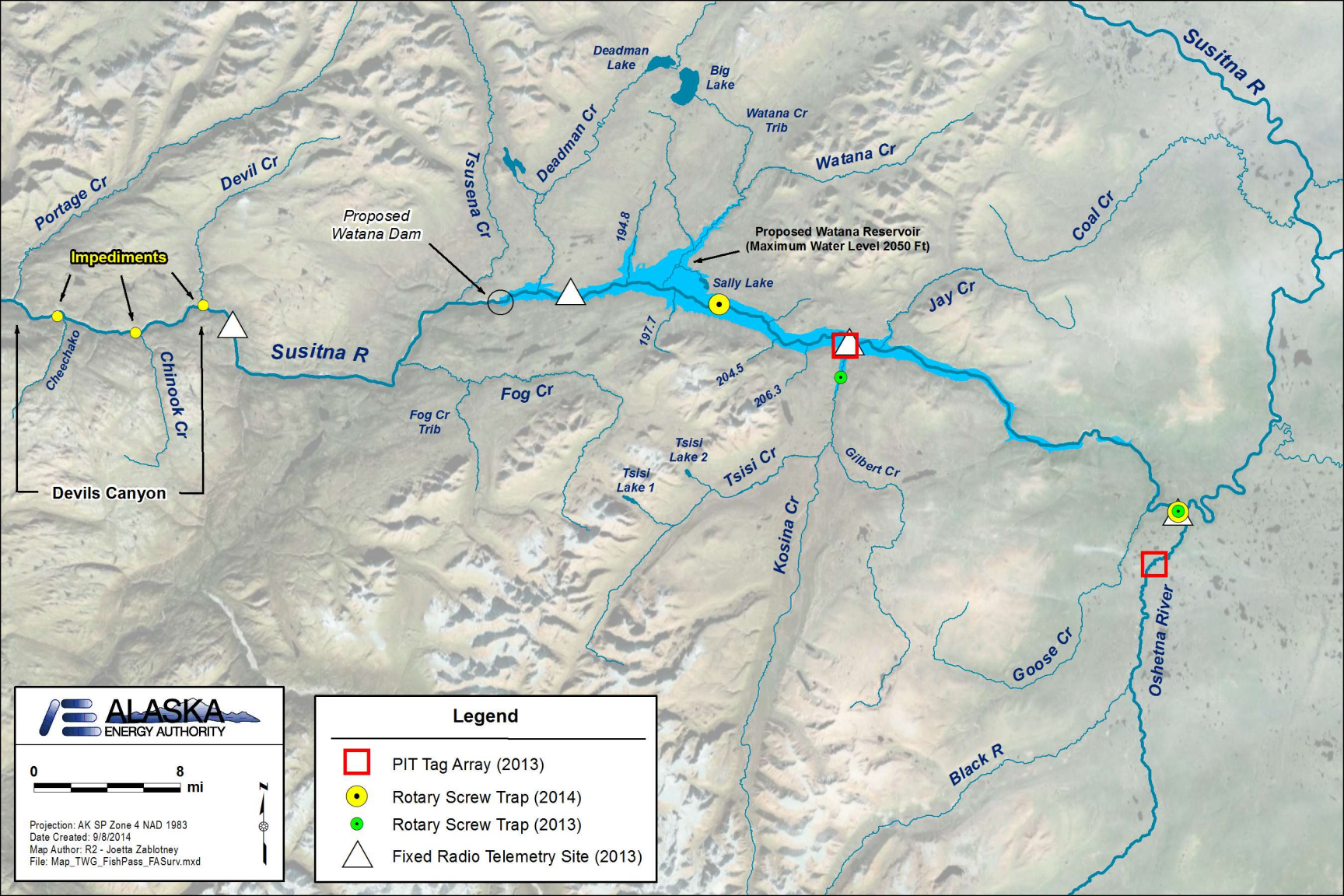
206.3



Projection: AK SP Zone 4 NAD 1983
Date Created: 9/8/2014
Map Author: R2 - Joetta Zaboltny
File: Map_TWG_FishPass_FASurv.mxd

Legend

-  AQHAB Lake Survey (2014)
-  AQHAB Mainstem Survey (2013-2014)
-  AQHAB Tributary Survey (2012-2013)
-  AQHAB Tributary Survey Downstream Endpoint (2014)



Impediments

Cheechako Cr

Chinook Cr

Devils Canyon

Proposed Watana Dam

Proposed Watana Reservoir (Maximum Water Level 2050 Ft)

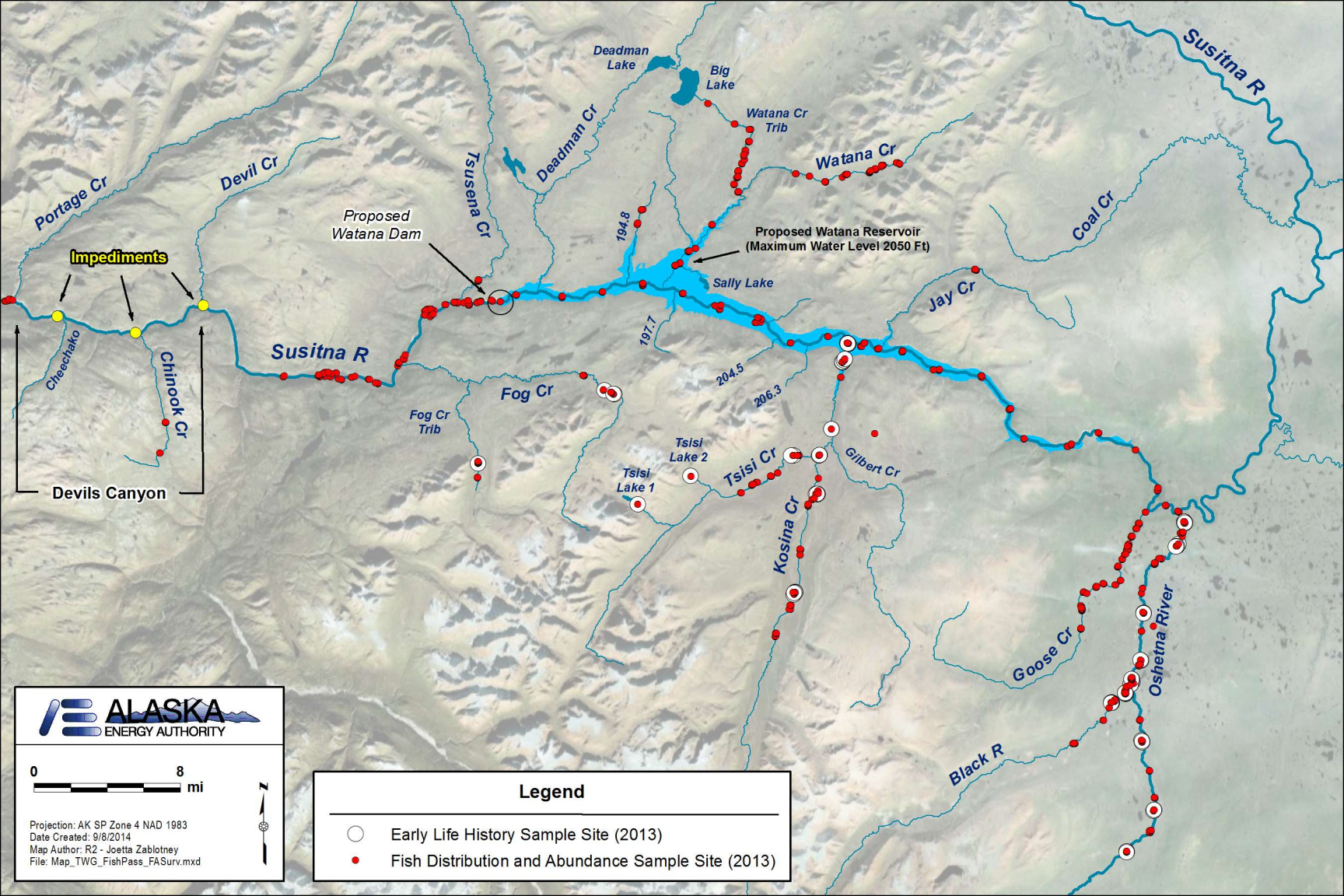
Legend

- PIT Tag Array (2013)
- Rotary Screw Trap (2014)
- Rotary Screw Trap (2013)
- Fixed Radio Telemetry Site (2013)

ALASKA ENERGY AUTHORITY

0 8 mi

Projection: AK SP Zone 4 NAD 1983
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Impediments



Proposed
Watana Dam

Proposed Watana Reservoir
(Maximum Water Level 2050 Ft)

0 8 mi

Projection: AK SP Zone 4 NAD 1983
Date Created: 9/8/2014
Map Author: R2 - Joetta Zaboltny
File: Map_TWG_FishPass_FASurv.mxd

Legend

- Early Life History Sample Site (2013)
- Fish Distribution and Abundance Sample Site (2013)