
From: Naseem Alston - NOAA Federal <naseem.alston@noaa.gov>
Sent: Wednesday, March 6, 2019 11:05 AM
To: Cathy Marcinkevage
Cc: Page Vick - NOAA Affiliate; Joe Heublein - NOAA Federal; Barb Byrne
Subject: Green Sturgeon

Hi Cathy,

Possible Task for ROConLTO Effects of the PA section:

Barb and I were wondering if it would work for Joe (or Page?) to take a look at the Green Sturgeon recovery plan threats assessment, and determine if the top stressors for GS can fit into the below categories (primary stressors for CV salmonids), or otherwise if a similar list could be put together.

Preference would be to see if we could use this same list as the overarching list of stressors for GS (specific effects would be described under each category as appropriate).

let me know if there are questions, thanks!

1. Passage Impediments/Barriers
2. Harvest/Angling Impacts
3. Water Temperature
4. Water Quality
5. Flow Conditions
6. Loss of Riparian Habitat and Instream Cover
7. Loss of Natural River Morphology and Function
8. Loss of Floodplain Habitat
9. Loss of Tidal Marsh Habitat
10. Spawning Habitat Availability
11. Physical Habitat Alteration
12. Invasive Species/Food Web Changes
13. Entrainment/ Impingement
14. Predation
15. Hatchery Effects

Naseem O. Alston
ESA-Section 7 Coordinator/Fish Biologist
NOAA Fisheries West Coast Region
U.S. Department of Commerce
California Central Valley Office
Sacramento, CA
(916)930-3655
<http://www.westcoast.fisheries.noaa.gov/>