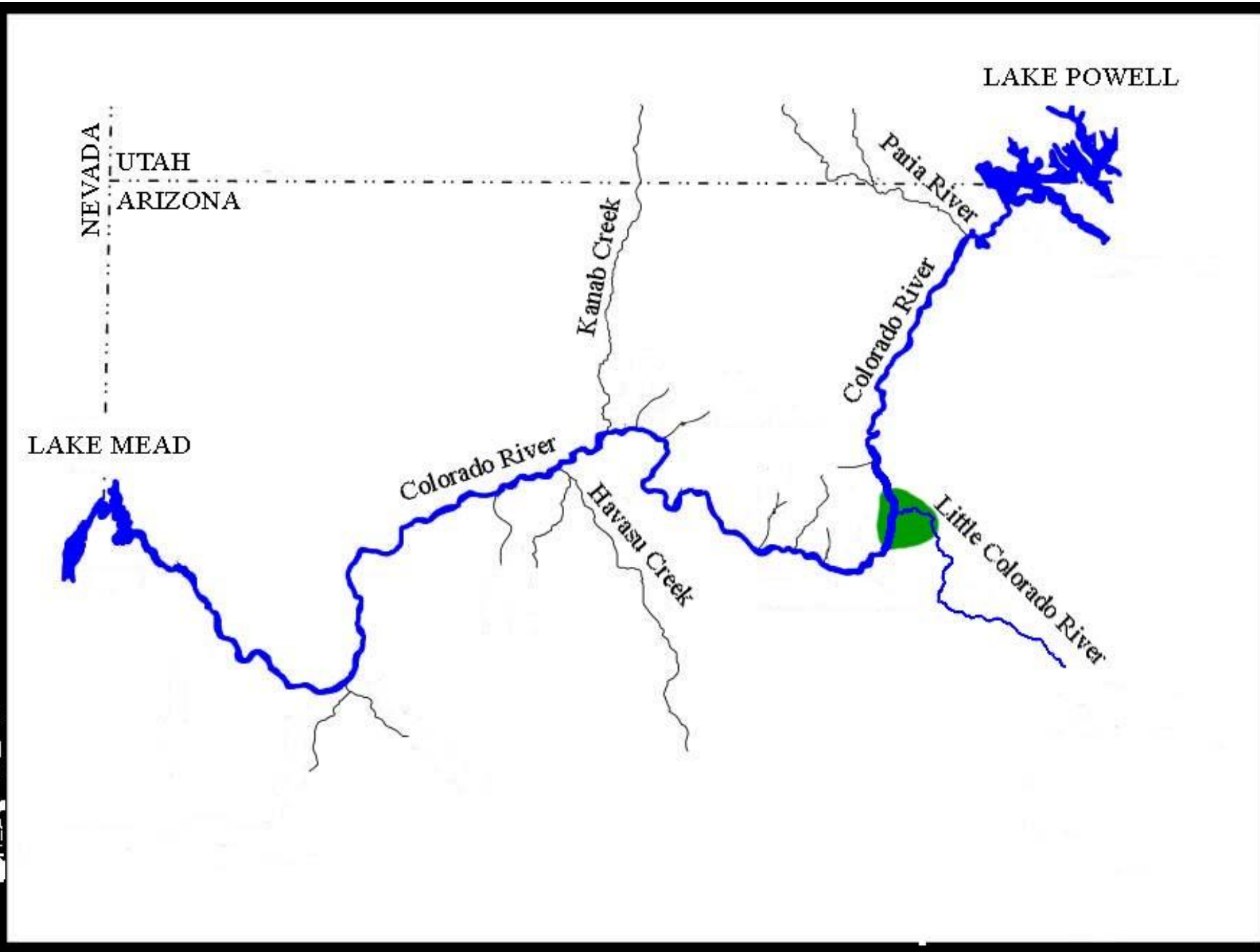
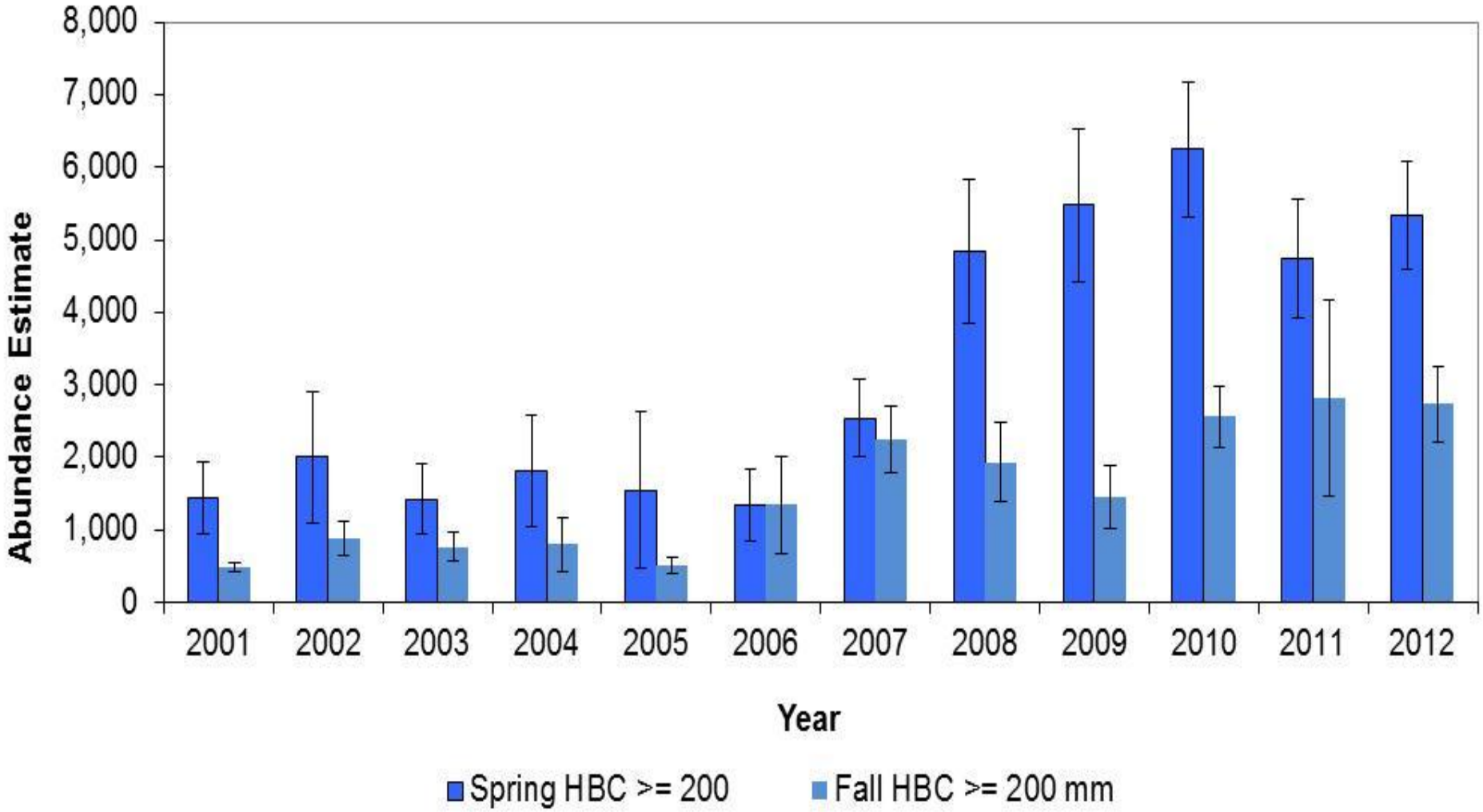
Summary of Humpback Chub Monitoring and Translocation Activities in the LCR Grand Canyon 2012

USFWS

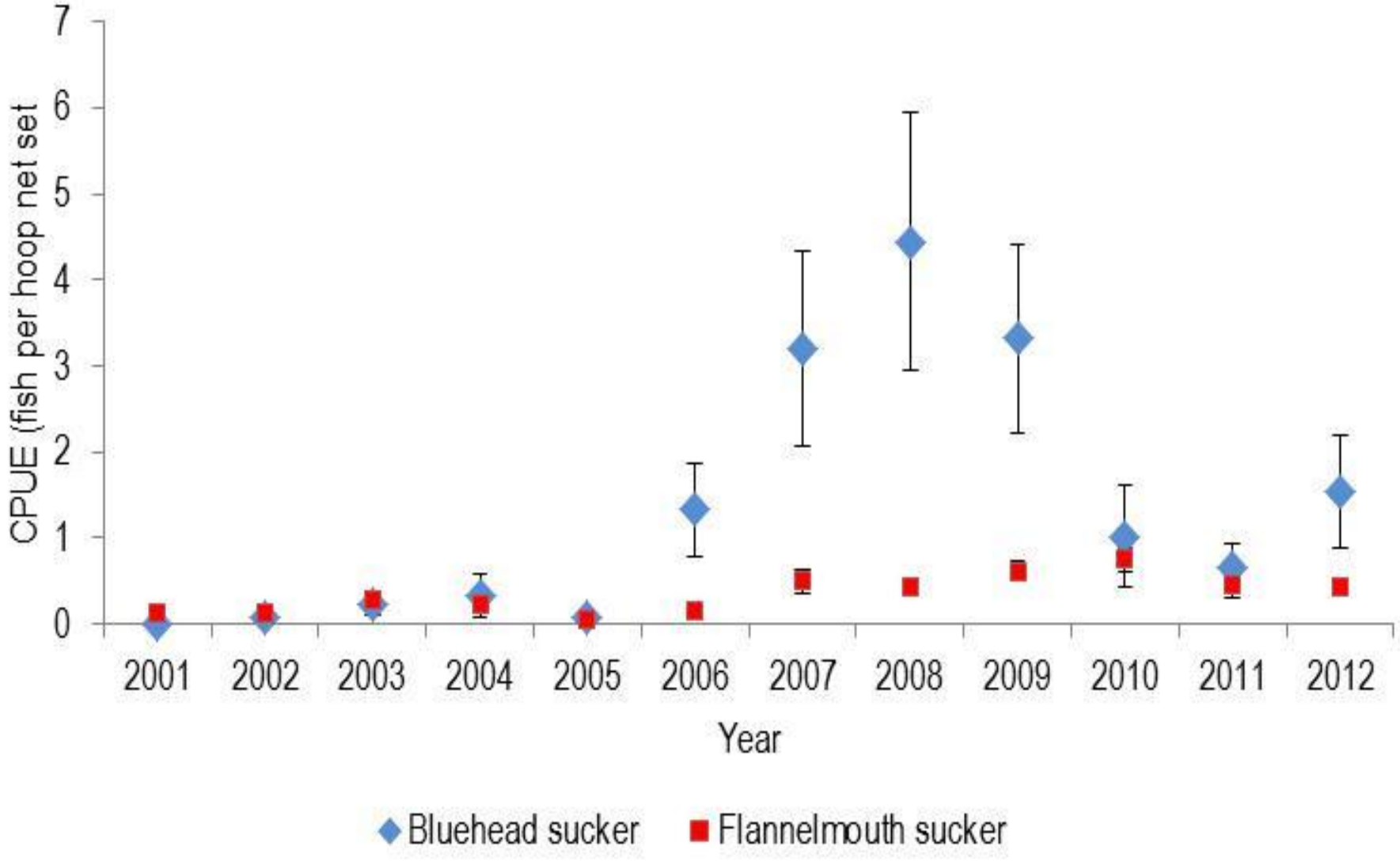
Little Colorado River Humpback Chub Mark-Recapture Studies


LAKE POWELL
NEVADA
UTAH
ARIZONA
Paria River
Kanab Creek
Colorado River
LAKE MEAD
Colorado River
Havasu Creek
Little Colorado River

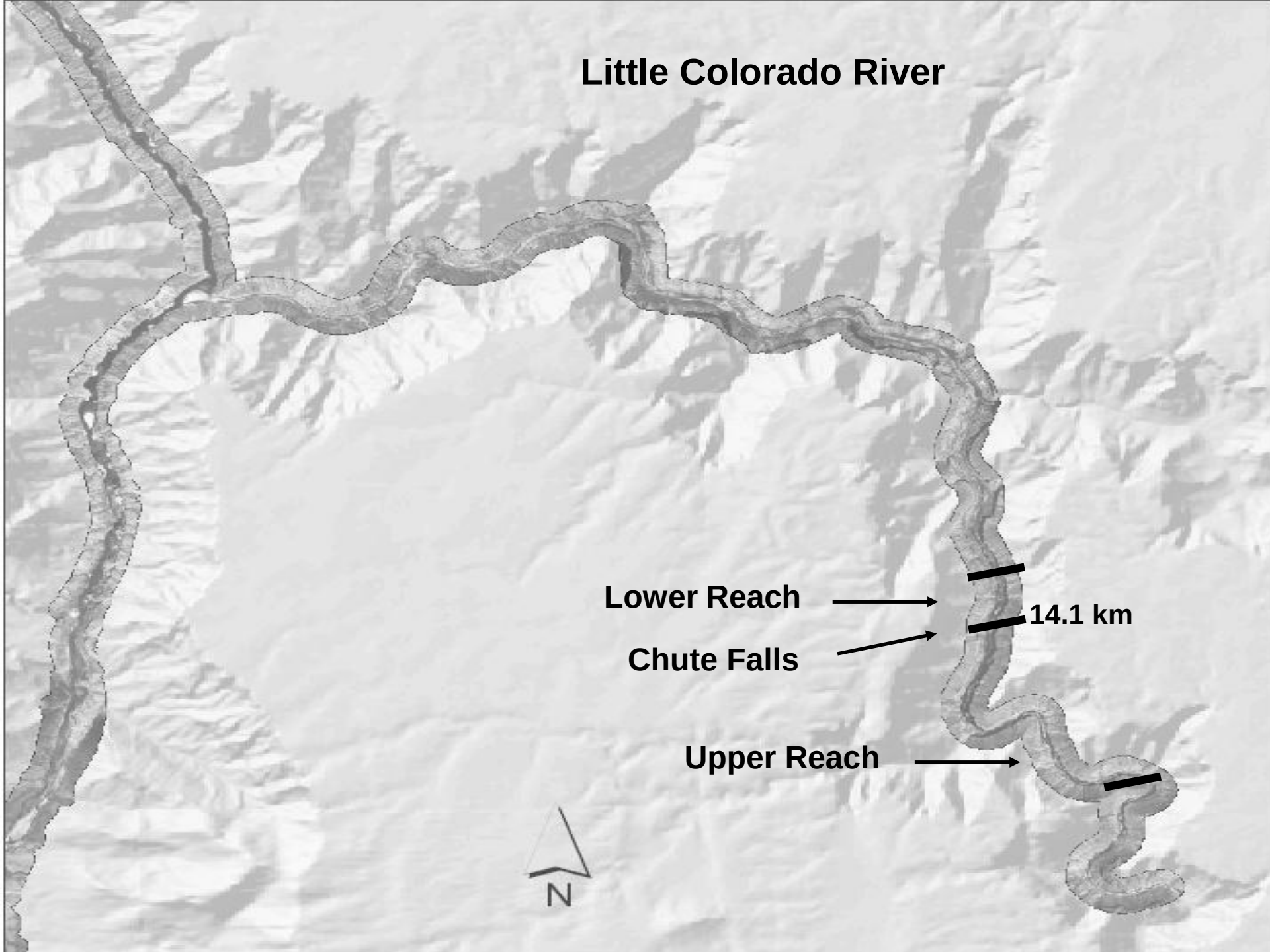
Comparison of spring and fall adult (≥ 200 mm) humpback chub abundances



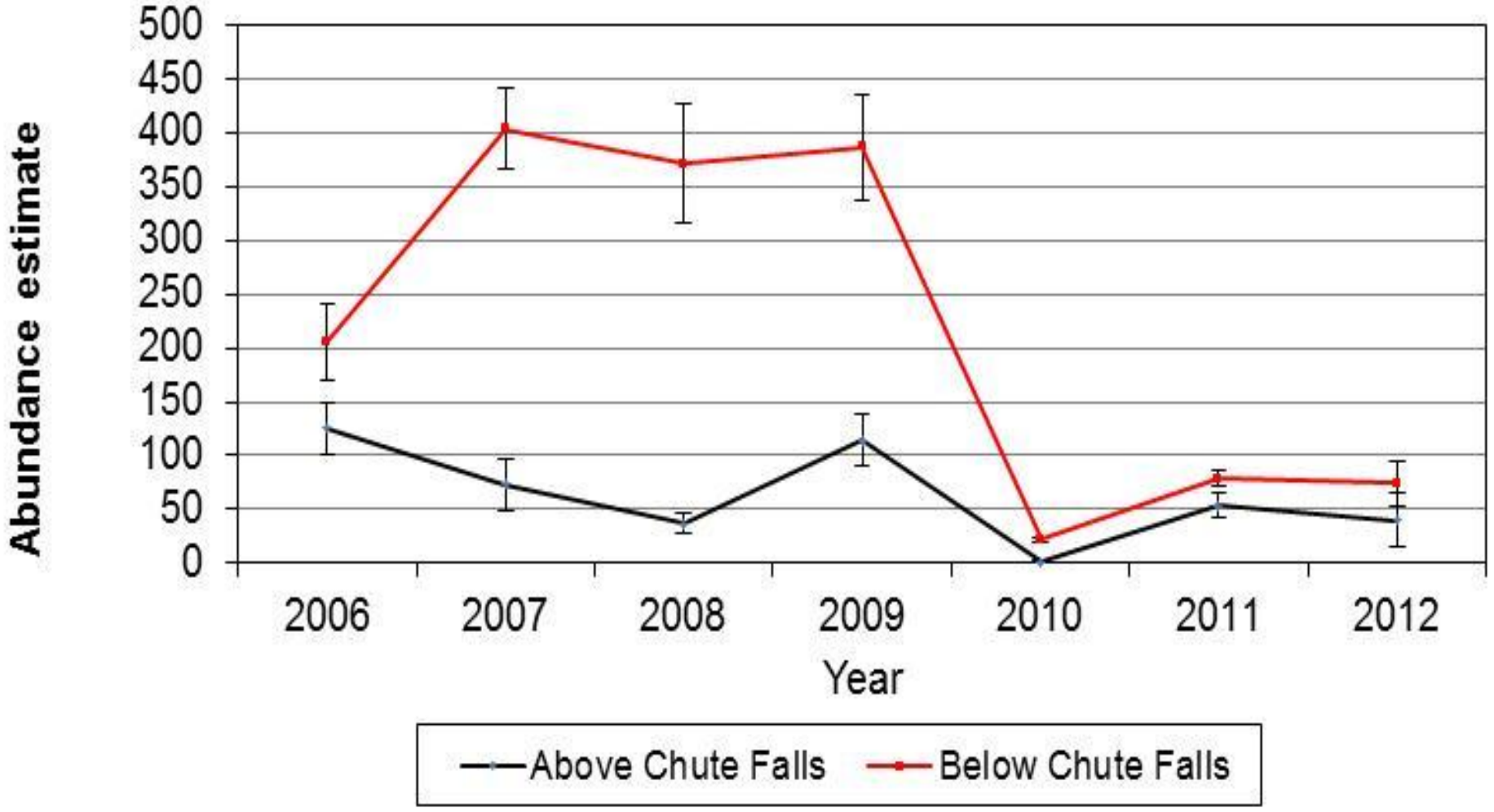
Spring catch per unit effort of bluehead and flannelmouth suckers (≥ 150 mm)

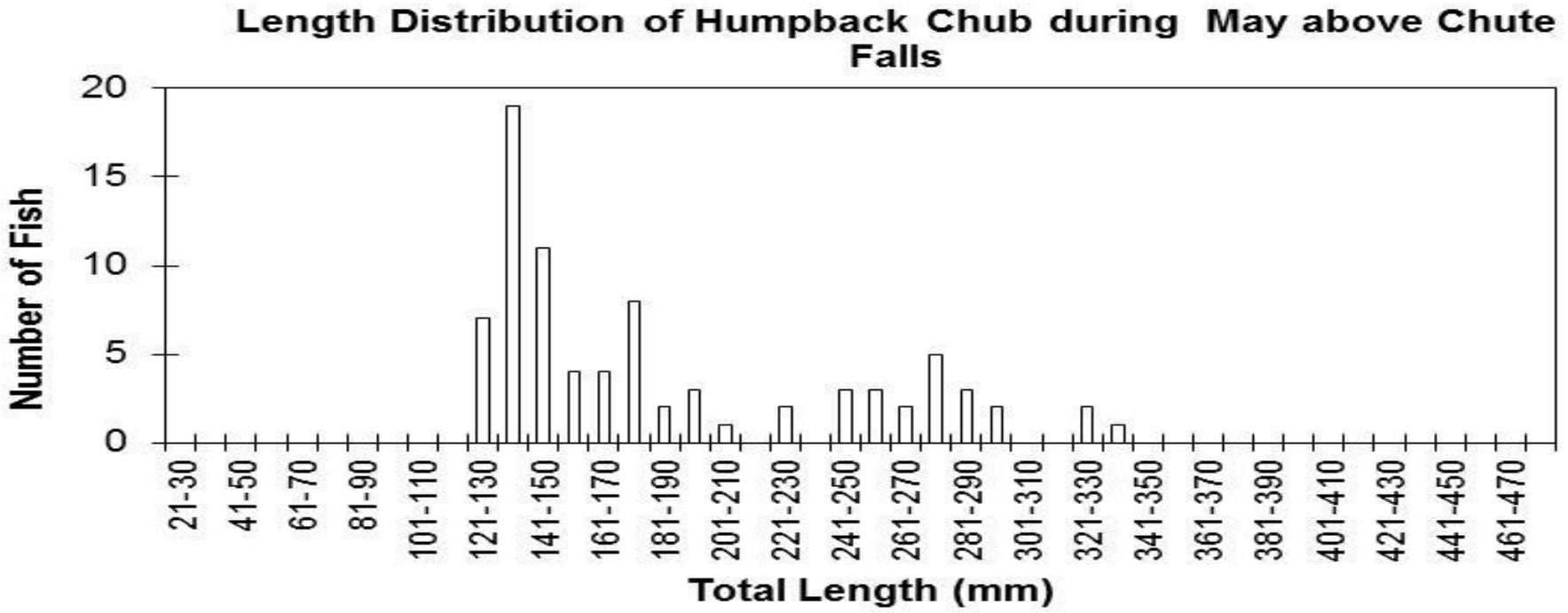


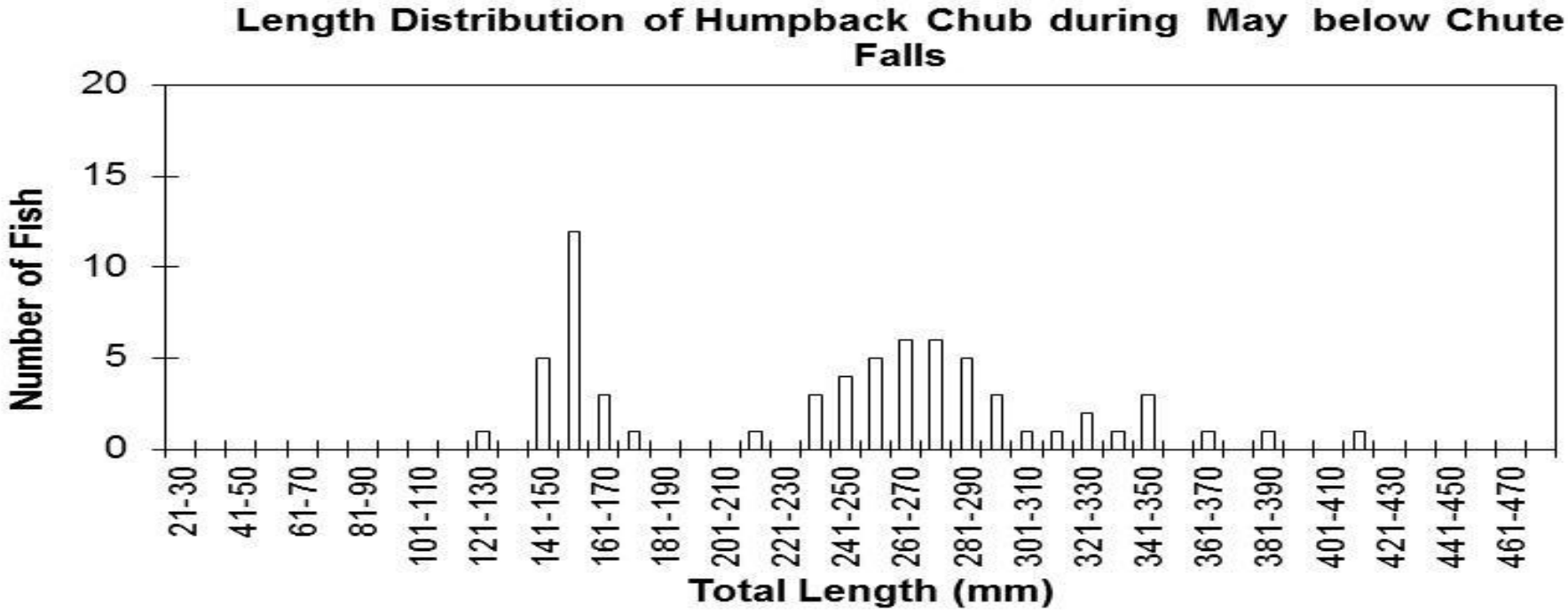
Chute Falls Translocation and Mark-Recapture Efforts


Little Colorado River
Lower Reach
14.1 km
Chute Falls
Upper Reach
N

Abundances of Humpback Chub ≥ 200 mm above and below Chute Falls since 2006




Length Distribution of Humpback Chub during May above Chute Falls
Number of Fish
0
5
10
15
20
21-30
41-50
61-70
81-90
101-110
121-130
141-150
161-170
181-190
201-210
221-230
241-250
261-270
281-290
301-310
321-330
341-350
361-370
381-390
401-410
421-430
441-450
461-470
Total Length (mm)


Length Distribution of Humpback Chub during May below Chute Falls
Number of Fish
0
5
10
15
20
21-30
41-50
61-70
81-90
101-110
121-130
141-150
161-170
181-190
201-210
221-230
241-250
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421-430
441-450
461-470
Total Length (mm)

Ongoing & Future Chute Falls Work:

- Understand migratory patterns/use of Chute Falls habitat
- Examine spawning use, affinity, contribution
- Assess and describe population benefit to HBC in LCR

Shinumo Creek Translocations Ongoing
0 fish added 2012
(~902 age-0 fish so far)

Havasu Creek Translocations Ongoing
300 fish added 2012
(~543 fish so far)

SNARRC (Dexter) Refuge Population
202 fish added 2012
(~1,200 on station now)

Questions?