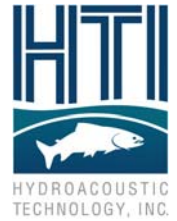


ACOUSTIC TAG FISH TRACKING STUDIES USING MODEL 290-series ACOUSTIC TAG SYSTEMS



Rivers and Canals

- Appalatcha R., Georgia: 2006-2007
Alabama shad (*Alosa sapidissima*)
gulf striped bass (*Morone saxatilis*)
gulf sturgeon (*Acipenser oxyrinchus*)
- Columbia River, Wells to McNary dams, Wash.: 2000-2007
chinook smolts, yearling (*Oncorhynchus tshawytscha*)
chinook smolts, sub-yearling (*Oncorhynchus tshawytscha*)
sockeye salmon smolts (*Oncorhynchus nerka*)
steelhead smolts (*Oncorhynchus mykiss*)
- Columbia River, below Bonneville Dam, Wash.: 2005-2006
chum salmon adults (*Oncorhynchus keta*)
- Denmark River, Denmark: 2004
Atlantic salmon smolts (*Salmo salar*)
- Elwah River, Washington: 2005
chinook smolts (*Oncorhynchus tshawytscha*)
rainbow trout (*Oncorhynchus mykiss*)
- Sacramento R., California: 2003-2007
chinook salmon smolts (*Oncorhynchus tshawytscha*)
striped bass (*Morone saxatilis*)
- San Joaquin R., California: 2006-2007
chinook salmon smolts (*Oncorhynchus tshawytscha*)
- McKenzie River, Northwest Territories, Canada: 2003
lake trout (*Oncorhynchus namaycush*)
inconnu (*Stenodus leucichthys*)
- Vernita Bar, Columbia R.: 2005-2006
fall chinook salmon adults (*Oncorhynchus tshawytscha*)
- Lake Washington Ship Canal, Washington: 2000, 2003-2007
chinook salmon adults (*Oncorhynchus tshawytscha*)
chinook salmon smolts (*Oncorhynchus tshawytscha*)
coho salmon smolts (*Oncorhynchus kisutch*)
largemouth bass (*Micropterus salmoides*)
northern pike minnow adults (*Ptychocheilus oregonensis*)

Lakes

- Fringe Pond, England: 2005
barbel (*Barbus spp.*)
carp (*Cyprinus carpio*)
perch (*Perca spp.*)
rudd (*Scardinius spp.*)
tench (*Tinca tinca*)
- Lake Union, Washington: 2003, 2006-2007
chinook salmon adults (*Oncorhynchus tshawytscha*)
chinook salmon smolts (*Oncorhynchus tshawytscha*)
- Lake Washington, Washington: 2003, 2005-2006
chinook salmon smolts (*Oncorhynchus tshawytscha*)
smallmouth bass (*Micropterus dolomieu*)
prickly sculpin (*Cottus asper*)

Hydropower Dams

- Arapuni Power Plant, Waikato R., New Zealand: 2004
shortfinned eel (*Anguilla australis*)
longfinned eel (*Anguilla dieffenbachii*)
- Barrage St-Timothee, Canal de Beauharnois, Montreal, Canada: 2004
American eel (*Anguilla rostrata*)
- Bonneville Dam, Columbia R., Oregon/Washington: 2000
chinook salmon smolts (*Oncorhynchus tshawytscha*)
steelhead smolts (*Oncorhynchus mykiss*)
- Cabot Station, Connecticut R., Massachusetts: 2002
American eel (*Anguilla rostrata*)
- Chittendon Lock and Dam, Lk. Wash. Ship Canal, Washington: 2000, 2003, 2006
chinook salmon adults (*Oncorhynchus tshawytscha*)
chinook salmon smolts (*Oncorhynchus tshawytscha*)
coho salmon smolts (*Oncorhynchus kisutch*)

Cowlitz Falls Dam, Cowlitz R., Washington: 2000, 2002
salmonid smolts (*Oncorhynchus spp.*)

Grand Coulee Dam, Columbia R., Washington: 2000-2004
kokanee (*Oncorhynchus nerka*)

Ice Harbor Dam, Snake R., WA: 2007
sockeye salmon smolts (*Oncorhynchus nerka*)
steelhead smolts (*Oncorhynchus mykiss*)

Little Goose Dam, Snake R., WA: 2007
sockeye salmon smolts (*Oncorhynchus nerka*)
steelhead smolts (*Oncorhynchus mykiss*)

Lower Granite Dam forebay, Snake R., WA: 1999-2003, 2007
salmonid smolts (*Oncorhynchus spp.*)

Lower Granite Dam tailrace, Snake R., Washington: 2002
salmonid smolts (*Oncorhynchus spp.*)

Lower Monumental Dam, Snake R., WA: 2007
sockeye salmon smolts (*Oncorhynchus nerka*)
steelhead smolts (*Oncorhynchus mykiss*)

Mayfield Dam, Lewis R., WA: 2001
coho salmon smolts (*Oncorhynchus kisutch*)

McNary Dam, Columbia R., Washington/Oregon: 2006-2007
chinook salmon smolts (*Oncorhynchus tshawytscha*)
sockeye salmon smolts (*Oncorhynchus nerka*)
northern pike minnow adults (*Ptychocheilus oregonensis*)

Moore Reservoir Dam, Connecticut R., Vermont-New Hampshire: 2007
Atlantic salmon smolts (*Salmo salar*)

North Fork Dam, Clackamas R., Oregon: 2001
chinook salmon smolts (*Oncorhynchus tshawytscha*)

Pinopolis Locks, Cooper R., South Carolina: 2002, 2003
shortnose sturgeon (*Acipenser brevirostrum*)
American shad (*Alosa sapidissima*)
blueback herring (*Alosa aestivalis*)

Priest Rapids Dam, Columbia R., Washington: 2004, 2006-2007
chinook salmon smolts (*Oncorhynchus tshawytscha*)
sockeye salmon smolts (*Oncorhynchus nerka*)
steelhead smolts (*Oncorhynchus mykiss*)

Rock Island Dam, Columbia R., Washington: 2001-2007
chinook salmon smolts, yearling (*Oncorhynchus tshawytscha*)
chinook salmon smolts, sub-yearling (*Oncorhynchus tshawytscha*)
sockeye salmon smolts (*Oncorhynchus nerka*)
steelhead smolts (*Oncorhynchus mykiss*)

Rocky Reach Dam, Columbia R., Washington: 1998-2000, 2002-2007
chinook salmon smolts, yearling (*Oncorhynchus tshawytscha*)
chinook salmon smolts, sub-yearling (*Oncorhynchus tshawytscha*)
sockeye salmon smolts (*Oncorhynchus nerka*)
steelhead smolts (*Oncorhynchus mykiss*)
northern pike minnow adults (*Ptychocheilus oregonensis*)

Swift Dam, Lewis R., Washington: 2002
chinook salmon smolts (*Oncorhynchus tshawytscha*)
coho salmon smolts (*Oncorhynchus kisutch*)

The Dalles Dam, Columbia R., Washington: 2004
chinook salmon smolts (*Oncorhynchus tshawytscha*)

Upper Baker Dam, Baker R., Washington: 2002
coho salmon smolts (*Oncorhynchus kisutch*)
sockeye salmon smolts (*Oncorhynchus nerka*)

Wanapum Dam forebay, Columbia R., Washington: 2004, 2007
chinook salmon smolts (*Oncorhynchus tshawytscha*)
sockeye salmon smolts (*Oncorhynchus nerka*)
steelhead smolts (*Oncorhynchus mykiss*)

Wanapum Dam in-turbine, Columbia R., Washington: 2004
steelhead smolts (*Oncorhynchus mykiss*)

Woodruff Dam, Apalachicola R., Florida: 2005-2007
Alabama shad (*Alosa sapidissima*)
gulf striped bass (*Morone saxatilis*)
gulf sturgeon (*Acipenser oxyrinchus*)

Marine

- Friday Harbor, San Juan Islands, Washington: 2005
 - Puget Sound dock shrimp (*Pandalus danae*)
- Skagit Bay, Washington: 2005
 - chinook salmon smolts (*Oncorhynchus tshawytscha*)
- Glacier Bay, Alaska: 2002
 - Pacific halibut (*Hippoglossus stenolepis*)
- LeReunion Island, Indian Ocean, France: 2003
 - common bluestripe snapper (*Lutjanus kasmira*)
 - bigeye scad (*Selar crumenophthalmus*)
- New Caledonia, South Pacific Ocean: 2004
 - various reef species
- Shilshole Bay, Puget Sound, Washington: 2003, 2006
 - chinook salmon smolts (*Oncorhynchus tshawytscha*)
 - coho salmon smolts (*Oncorhynchus kisutch*)
- Willapa Bay, Pacific Coast, Washington: 2001, 2002
 - salmonids (*Oncorhynchus spp.*)
 - shiner perch (*Cymatogaster aggregata*)
 - spotted greenling (*Hexagrammos spp.*)
 - staghorn sculpin (*Leptocottus armatus*)
 - Dungeness crab and green crab

Aquaculture

- Aquaculture pond, Queensland, Australia: 2000-2003
 - carp (*Cyprinus carpio*)
 - freshwater catfish (*Tandanus tandanus*)
 - silver perch (*Bidyanus bidyanus*)
- Dockside net pen, New Hampshire coast, New Hampshire: 2003
 - Atlantic cod (*Gadus morhua*)
- Open ocean net pen, New Hampshire coast, New Hampshire: 2003-2007
 - Atlantic cod (*Gadus morhua*)

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