

# Fish Tagging Forum

Update

February 12, 2013

# Significance of Tagging/Marking

- Roughly \$50M to \$60M spent in 2012 on tagging/marking related activities
  - Labor and infrastructure for application, detection/recovery, and data analysis
- 7 primary tagging/marking technologies
  - PIT, CWT, Acoustic, Radio, Genetic, Otolith, Adipose Clip
- Approximately 100 biological indicators rely on tags/marks to support decision making
  - Hydro, Habitat, Harvest, Hatchery, Predation, Population Status & Recovery

# Purpose of Fish Tagging Forum

(from the Charter)

- address costs, efficiencies and gaps for all fish tagging efforts that take place under the Council's Fish and Wildlife Program, including expense, capital and reimbursable programs.
- address the cost effectiveness and the program effectiveness of tagging under the Program as well as other issues discussed in the ISAB/ISRP report

# FTF Timeline and Process



## PARTICIPANTS:

### Federal:

USACE  
BPA  
USFWS  
NOAA  
USGS

### State:

IDFG  
ODFW  
WDFW

### Tribes:

CRITFC  
Nez Perce Tribe  
CTGR  
Colville Tribes

### Regional Interests:

PSMFC  
NW River Partners  
Public Power Council  
NPCC  
Mid-C PUDs

### Other:

IEAB, ISAB, ISRP  
Consultants  
Universities

# Accomplishments to Date

- Reviewed and summarized all major tag types.
- Developed a summary of BPA costs by tag type.
- Developed summary of management questions and indicators supported by tagging information.
- Identified which tagging technologies provide information for the management questions and indicators.
- Identified the management questions and indicators that are a priority to the Council Program.

# What's Going on Now in the Forum and What's Next?

- Evaluating the effects of removing funding for a particular tagging technology:
  - Management Questions and Indicators
  - Species
  - Geographic Coverage
  - Shared Resources
  - Cost
- Involving IEAB in cost-effectiveness evaluation
- Developing and reviewing recommendations
  - Gaps, Overlaps, Efficiencies, Policy Choices & Consequences

# Some Context For Costs

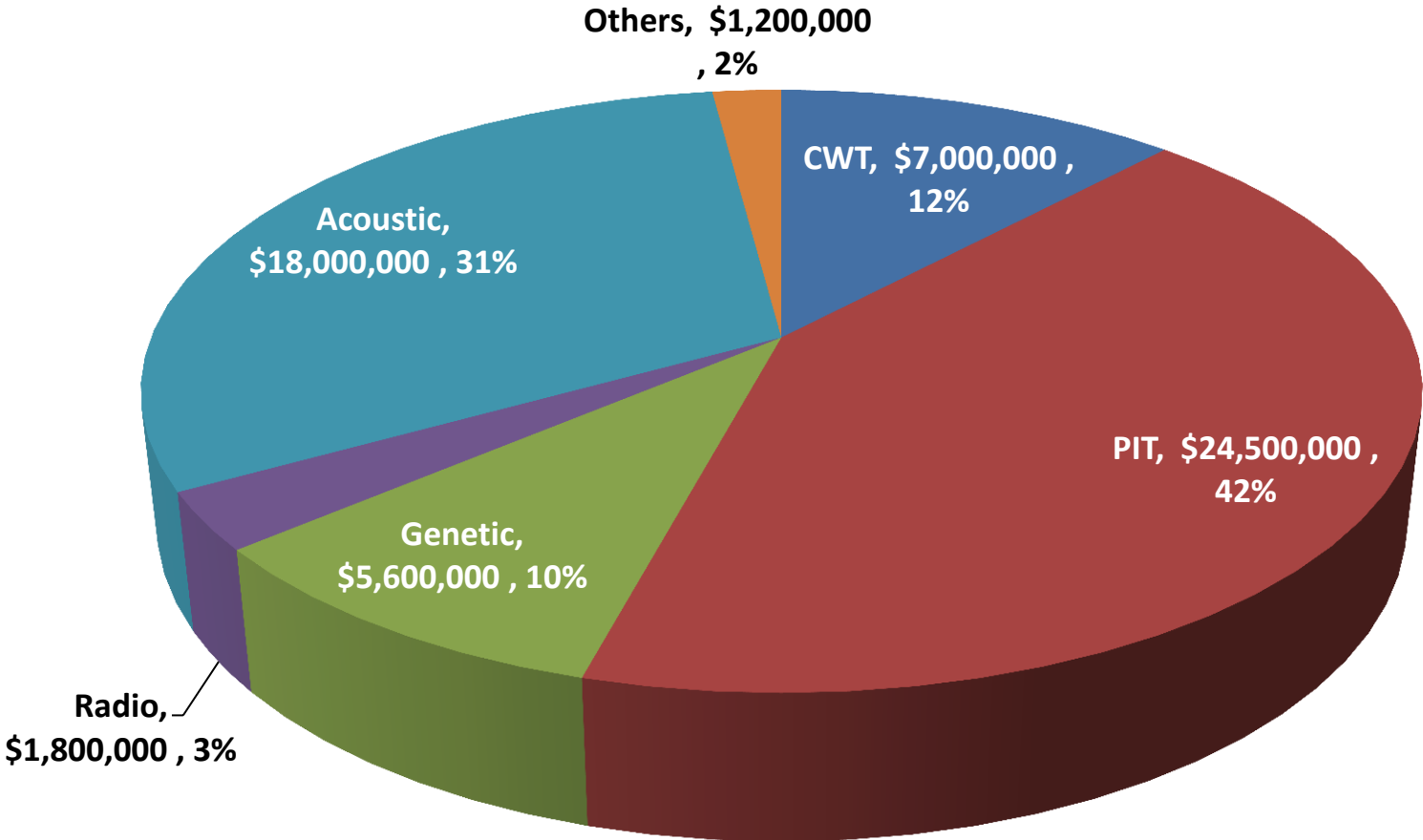
# BPA 2012 Estimated Costs by Tag Type

<b>CWT</b>	\$	7,000,000
<b>PIT</b>	\$	24,500,000
<b>Genetic</b>	\$	5,600,000
<b>Radio</b>	\$	1,800,000
<b>Acoustic</b>	\$	18,000,000
<b><u>Others</u></b>	<b><u>\$</u></b>	<b><u>1,200,000</u></b>
<b>TOTAL</b>	<b>\$</b>	<b>58,100,000</b>

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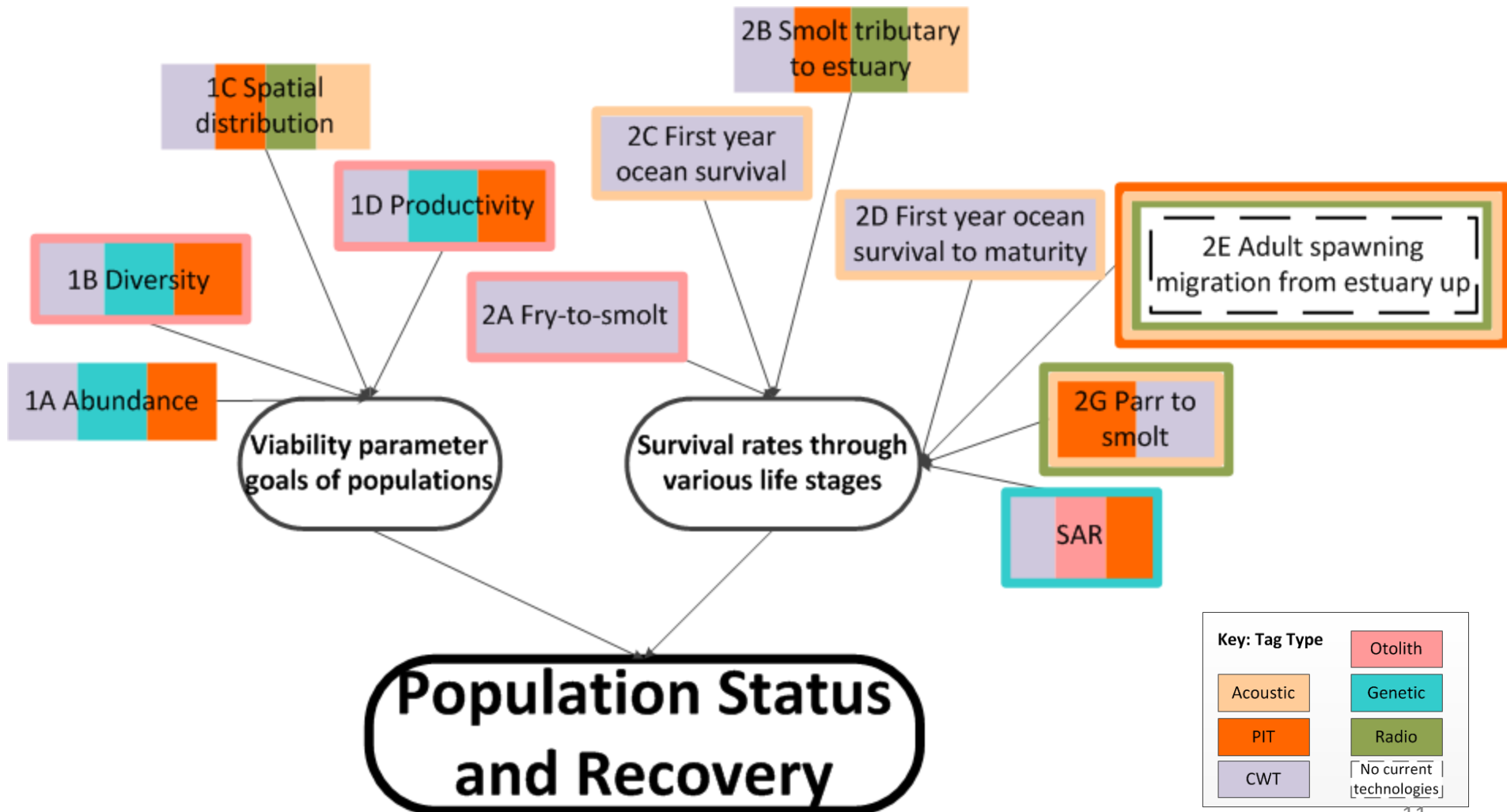
# BPA 2012 Estimated Costs by Tag Type



# Some Context For How Tag/Mark Data is Used

Example “Spider Chart” Framework

# The Full-Suite of Application



# The Whole Enchilada....

