

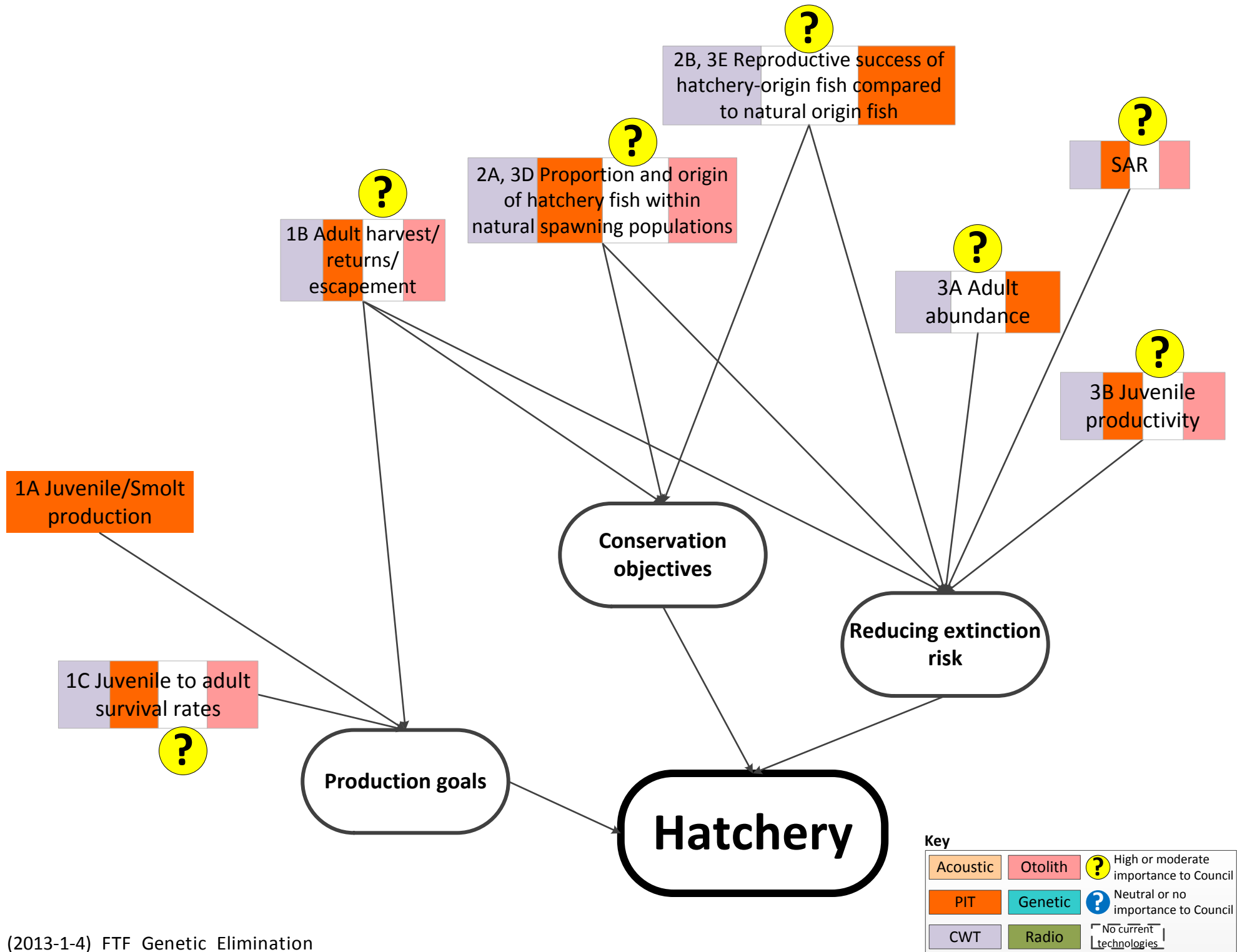


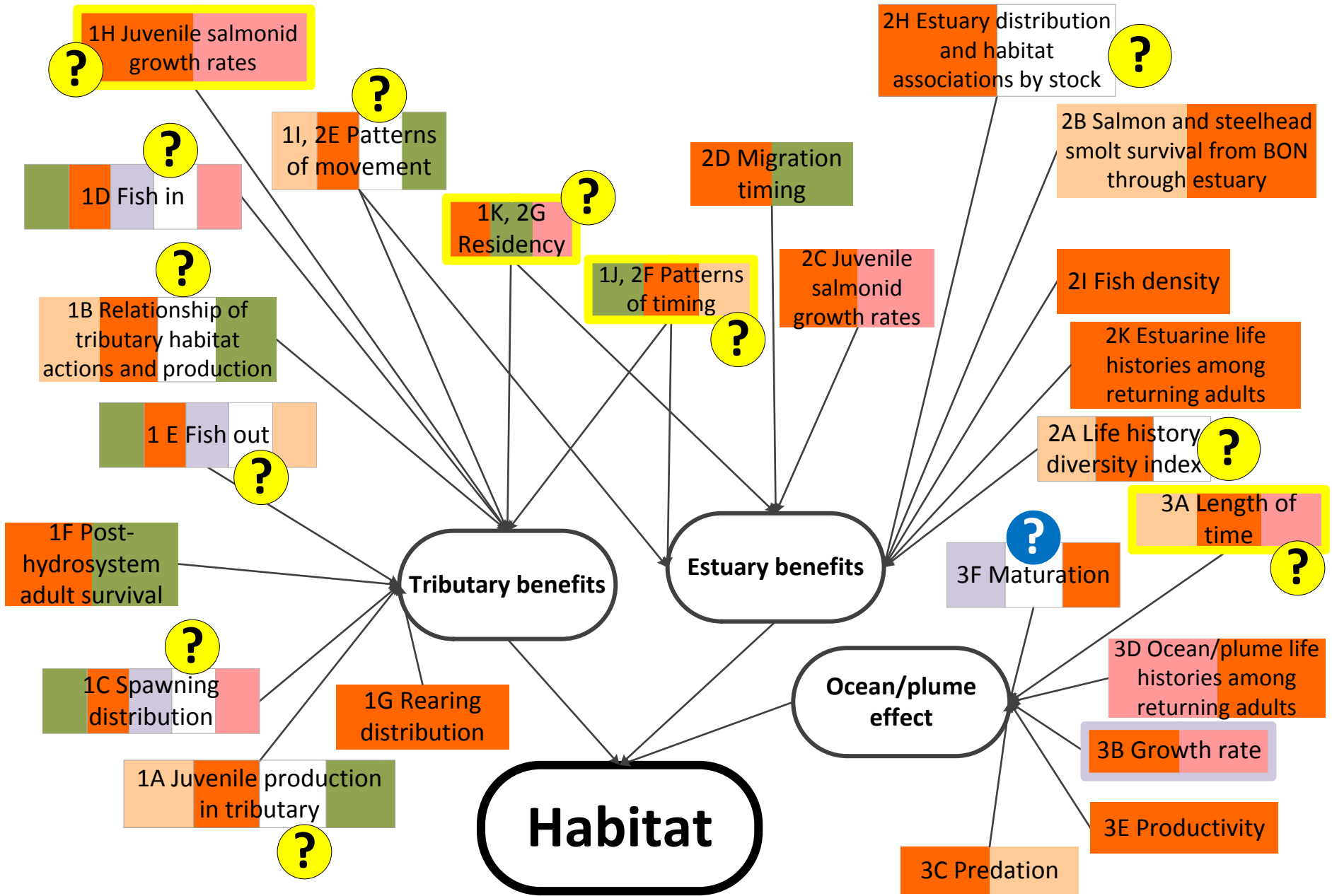
Genetic Mark Elimination from Management Questions

	Total Indicators	Total Indicators Impacted	FW Program Indicators Impacted	Priority Data Source	Supporting Data Source	Future Data Source
Hatchery1	8	7/8	7/7			0
Habitat.....2	24	13/24	12/13			4/13
Hydro.....3	27	5/27	5/5			4/5
Harvest4	19	18/19	6/18			8/18
Population Status and Recovery5	11	4/11	4/4			1/4
Predation6	9	0	0			0

Key

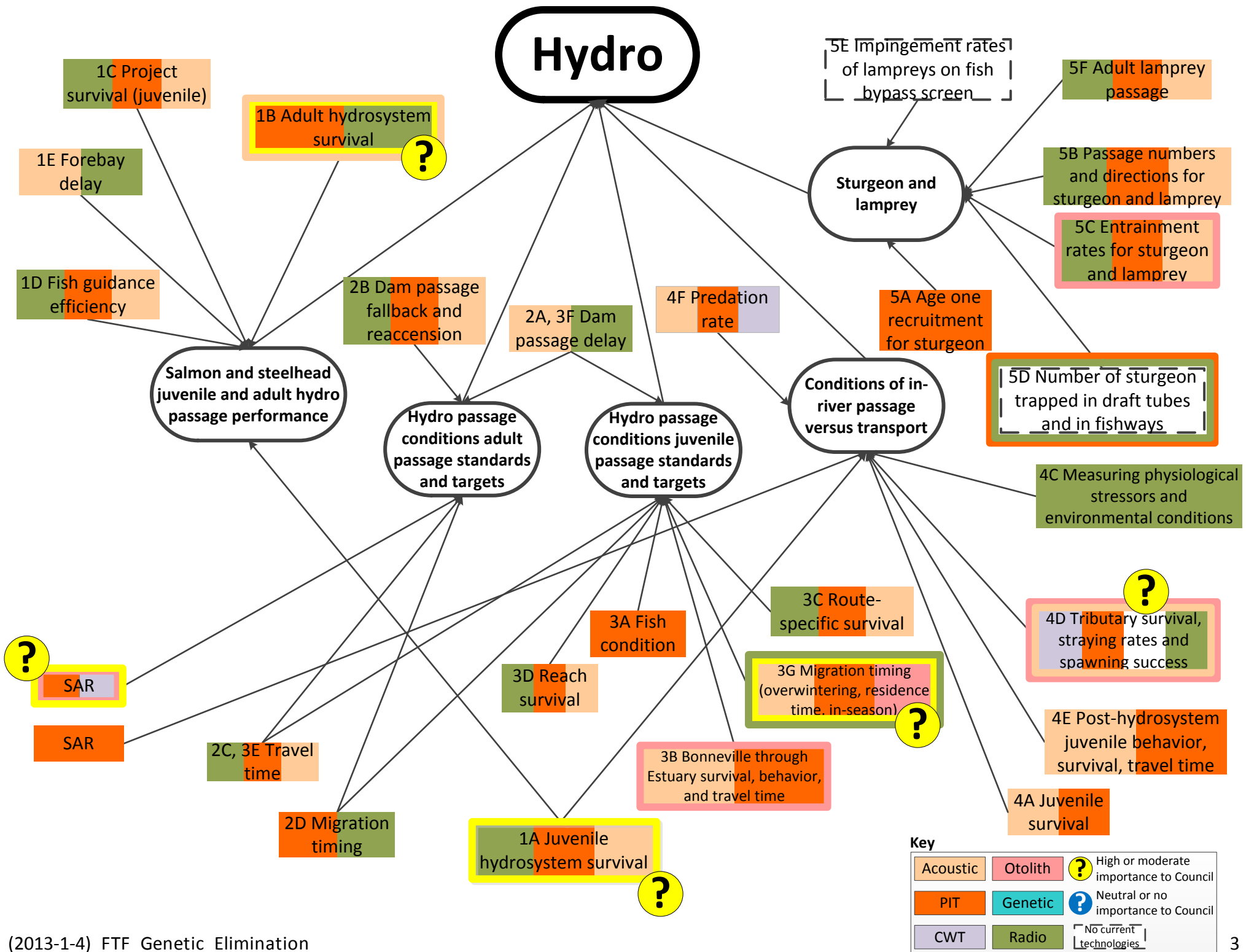
Acoustic	Otolith	 High or moderate importance to Council
PIT	Genetic	 Neutral or no importance to Council
CWT	Radio	No current technologies

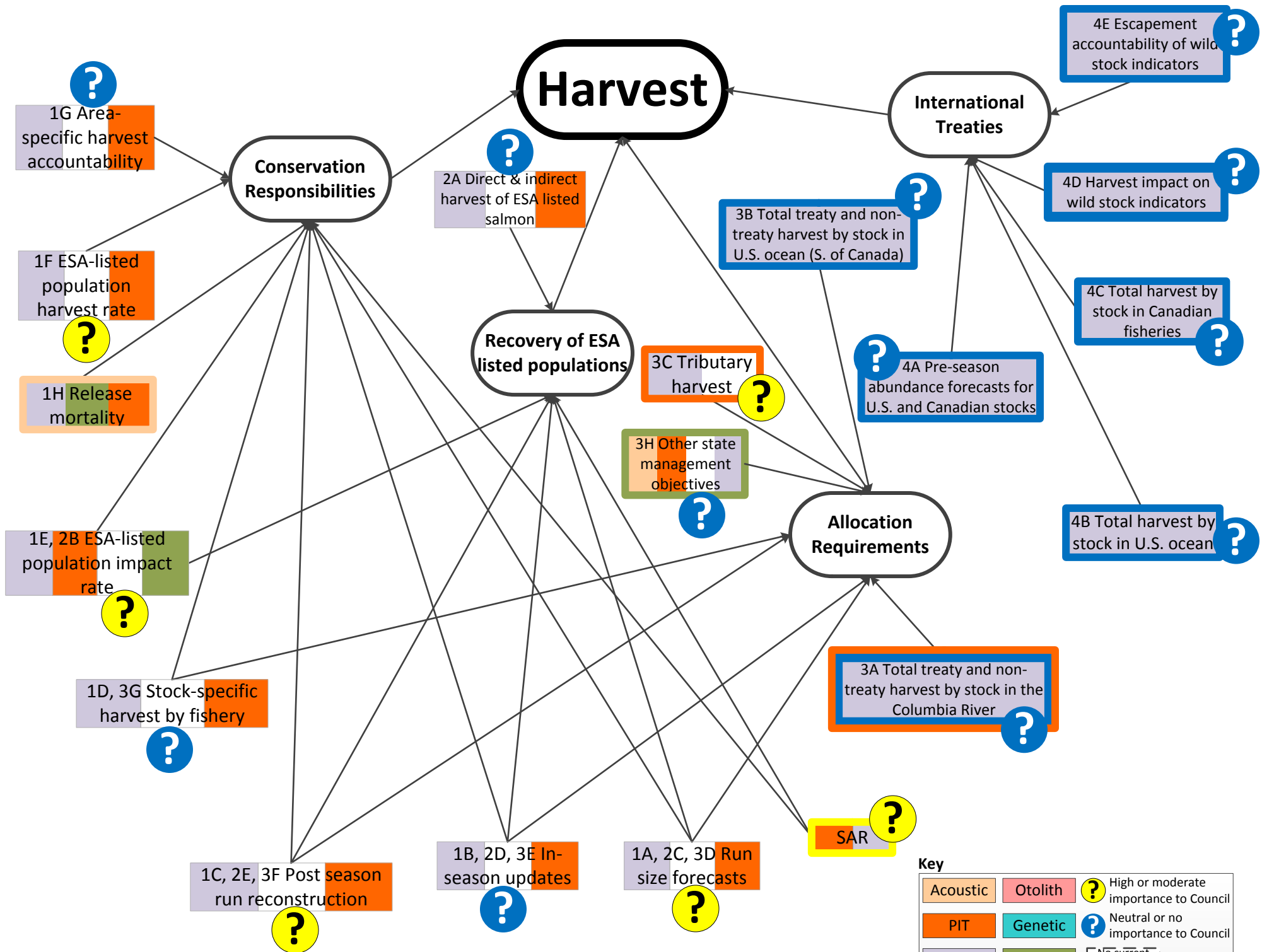


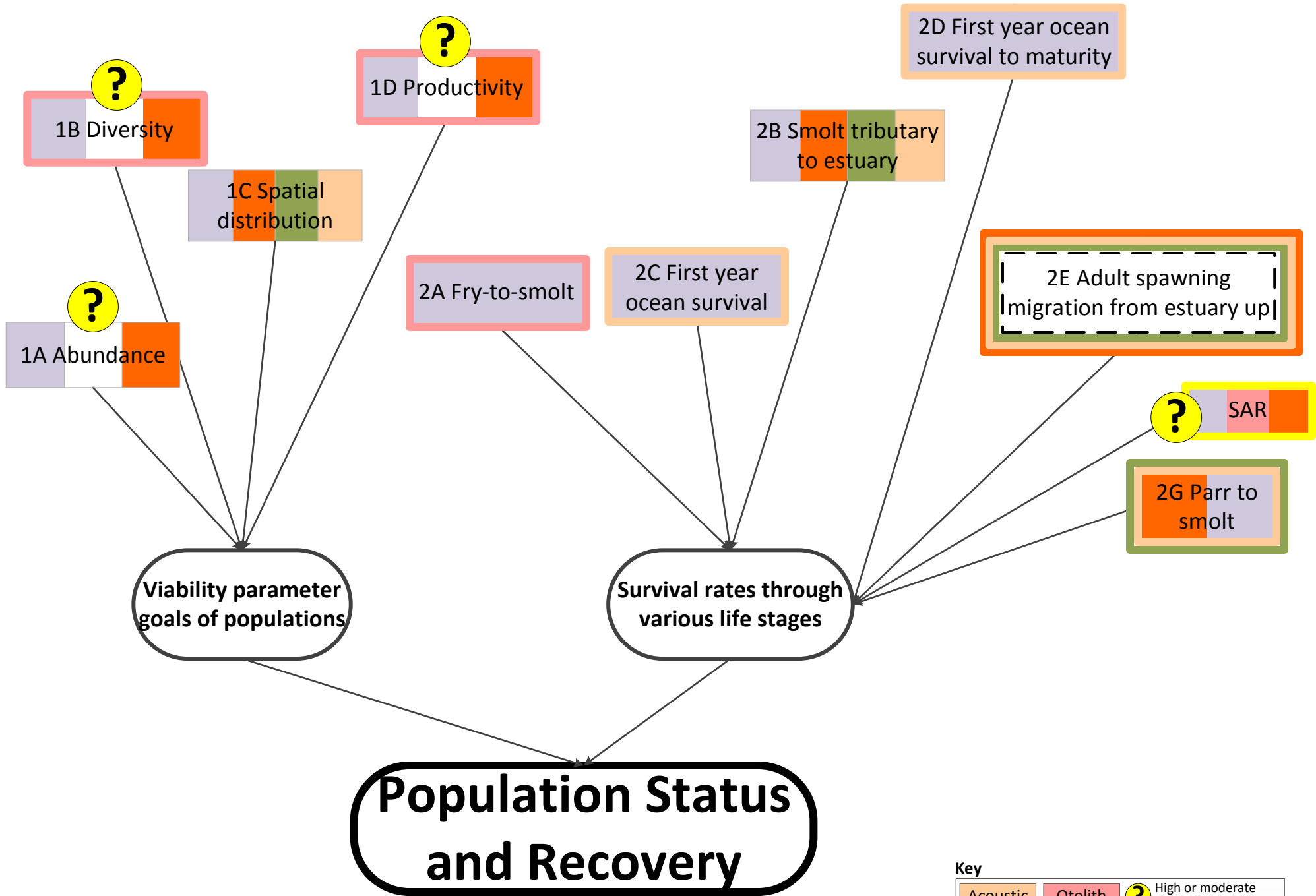


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Predation

Survival rate improvements from predator management actions

Effect of alternatives/actions used to reduce the impact of predators

1A – Caspian tern predation rates on juvenile fish

1E – Northern Pikeminnow annual predation rate on fish

1C – Other combined avian predation rates on juvenile fish populations

1B – Double-crested Cormorant predation rates on juvenile fish populations

2A – Distribution and population size of Northern Pikeminnow in Columbia and Snake basins

1F – Other aquatic predator species

2B – Distribution and population size of other major fish predators in Columbia and Snake basins

2C – Annual exploitation rate of No. Pikeminnow removed in sport-reward program

1D – California and Steller sea lion predation rate on fish in the lower Columbia River

Key

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