Hawaii Invasive Species Council Control Working Group
Strategic Planning
August 13, 2014, 1:00 p.m. – 4:00 p.m.
The Nature Conservancy, 923 Nuuanu Avenue, Honolulu HI 96817

Facilitator: Emily Montgomery (HISC)
Working Group Chair: Rob Hauff (DLNR)
Participants: Christy Martin (CGAPS), Rob Curtiss (HDOA), Randy Bartlett (HISC), Sonia Gorgula (DAR), Josh Atwood (HISC), Jean Fujikawa (OISC), Bill Lucey (KISC), Teya Penniman (MISC), Tiffany Agostini (SWCA), Springer Kaye (BIISC), Emma Yuen (DOFAW), Tracy Weidie (Representative Onishi's Office)
Via WebEx: Lori Buchanan (MoMISC), James Leary (UH)

General Priorities Discussion & Ranking:
Control discussion includes early detection/rapid response and longer term control

Top Ranking Priorities from January Strategic Planning Workshop + Priorities from Ch. 194:

	HISC Priority Ranking Score
Lack of dedicated funding Dedicated funding source Have tourists pay into systems that funds work Total: *This discussion is tabled. Will be part of Resources Working Group*	6 12 6 24
More biocontrol (joint facilities, post-release monitoring, international collaborations) Dot Exercise Ranking (DER): **6**	10
Institutionalize online pest reporting that works with/ integrates hotline and an app and web DER: **3**	8
Establish Aquatic Invasive Species Team on each island DER: **3**	6
More sophisticated cost/benefit analysis of control DER: **5** *Tie Breaker Choice*	5
Access to information both internal and external DER: **3**	4
~~HISC list of invasive species that could be acted on~~ (DUPLICATIVE)	4
Early detection botanist and entomologist on each island DER: **0**	4
HISC drafting administrative rules DER: **5**	4
Identify and record all invasive species present in the State DER: **0**	Ch. 194
Review state agency mandates and commercial interests that sometimes call for the maintenance of potentially destructive alien species as resources for sport hunting, aesthetic resources, or other values DER: **1**	Ch. 194
Review the structure of fines and penalties to ensure maximum deterrence for invasive species-related crimes DER: **1**	Ch. 194
Maintain and Enhance EDRR Capacity on each Island (ADDED) DER: **9**	

Priority 1: Maintain and enhance EDRR capacity on each island

a. What is the Ideal Result?
    - Have capacity and staff on each island for all taxa (plants, invertebrates, vertebrates, aquatics, plant diseases, etc)
    - Have identified current capacity needs and gaps across taxa and agencies
    - ICS based response plans are in place (control, emergency, species-specific)
    - Prioritized taxa/species list by island with response plans

b. Identify HISC Strategies (Implementation steps for HISC: i.e. policy, funding, and/or management/action)
    - Formalized continuing education programs to enhance capacity, graduate fellowships
    - HISC acts as a coordinating agency for statewide responses (ensures consistency across islands) i.e. information sharing capacity for responses happening on multiple islands
    - Identify statewide kuleanas/roles/responsibilities
    - Coordinate among departments to strategically create positions
    - Increase collaboration with county governments
    - Gap analysis, including a review of past successful and unsuccessful EDRRs, control programs, etc.
    - Legislative outreach (*Outreach WG*)
c. What capacity does HISC need to do this?
    - Remote sensing capacity
    - Online data sharing system
    - Less vacancies, more positions at HDOA
    - Building CTAHR specific to natural resources
    - Identifying staff tasked to certain key strategies
    - Having more technical experts on labeling, registration, and other issues relating to toxicant use; more certified applicators
    - Higher salaries for civil service staff in order to retain qualified employees
d. Identify Evaluation Measures
    - Number of response plans in place (linked to established taxa list)
    - List of people committed for response (under ICS)
    - Number of positions currently filled (statewide / by island), for control activities
    - Progress toward capacity goals identified in gap analysis (# of positions, # of trainings)

Priority 2: More Biocontrol

a. What is the Ideal Result?
    - Adequate facilities and staff
    - Informed and supportive public (*Outreach WG*)
    - Funding (*Resources WG*)
    - Prioritized list for biocontrol targets
    - Strong international relationships/collaboration
    - More exploration
    - Monitoring and analysis to demonstrate success, shared with public
    - Timely release of biocontrol agents
b. Identify HISC Strategies (Implementation steps for HISC: i.e. policy, funding, and/or management/action)
    - Use monitoring data in public outreach to demonstrate success (*Collab. Outreach WG*)
    - HISC facilitates discussion on how to streamline the biocontrol process (rules for import, testing, release, needed capacity)
    - HISC is an advocate for biocontrol
    - Local cost-benefit analysis
c. What capacity does HISC need to do this?
    - Statewide coordination and outreach capacity
    - Maintain Interagency Coordinator position
d. Identify Evaluation Measures
    - Survey of legislative & general public attitudes of biocontrol
    - Number of releases (new agents)
    - Time it takes to test and release agents
    - Performance of current/recent released agents

Priority 3: More sophisticated cost-benefit analysis for EDRR/control

a. What is the Ideal Result?
    - Understanding and use of most cost effective methods and tools
    - Increased support for work through clear evidence, published and publicly available results are in a format that is accessible and well summarized
    - Adaptive model for knowing when it is cost effective to target species for control, eradication, or no action. Able to prioritize actions based on cost effectiveness
b. Identify HISC Strategies (Implementation steps for HISC: i.e. policy, funding, and/or management/action)
    - Request a Legislative Reference Bureau study (update to 2002 study)
    - Continuing to work with economists on specific issues
    - Facilitate discussion of what cost/benefit analyses are needed (i.e. roadway and power line impacts for albizia control, CD of EDRR vs control for some species from a variety of different taxa, ungulate impacts). There is existing data that can be used
    - Ensuring that analyses includes an outreach deliverable
    - Finding novel and effective ways to utilize data that have already been produced
    - Understand that at the legislature, some districts may see a species as a problem; another may see it as a benefit. Both sides will be at the table when WAM and FIN meet
c. What capacity does HISC need to do this?
    - Re: LRB study: LRB requests don't have to be by resolution or during session, the request can come at any time directly from a legislator.
    - Data capacity: Dedicated biometrician, UH relationship, or other process for independent review of data
    - Synthesis of existing data
    - Better utilize Dan Dennison (DLNR) and other outreach capacity to convey cost effectiveness ((*Collab. Outreach WG*)
d. Identify Evaluation Measures
    - Number of pieces generated for outreach (brochures, fliers, videos, articles)
    - Measuring support for control efforts (social surveys, increase in funding)

Control Priorities Poll #1

- Maintain & Enhance EDRR cap on each Island 7+2 = 9
- Access to information, both internal & external 2+1 = 3
- More biocontrol (joint facilities, post-release monitoring, int'l collabs.) 6 #2
- Institutionalize online pest reporting that works with/ integrates hotline and an app. & web 3
- Establish Aquatic Invasive Species Team on each island 2+1 = 3
- More sophisticated cost/benefit analysis of EDRR & Control 4+1 = 5 #3
- ~~HISC list of invasive species that could be acted on~~
- Early detection botanist & entomologist on each island
- Drafting administrative rules (HISC LIST) 5
- ID & record all invasive species present in the state
- review agency mandates & commercial interests that sometimes call for the maintenance of potentially destructive alien species as resources for sport hunting, aesthetic resources, or other values 1
- review the structure of fines & penalties to ensure max deterrence for invasive species-related crimes 1

Choose your top 3

only rule: 1 dot per priority → no double/triple dipping

CONTROL Priority 1

- MAINTAIN & ENHANCE EDRR CAPACITY ON EA. ISLAND.

~~COST/BENEFIT ANALYSIS = 6~~

~~DRAFTING ADMIN. RULES =~~

A. IDEAL RESULT?

- create new IAS capacity on ea island.
- ~~all total~~ edrr (botanist/ento) capacity
- ID current cap. needs/gaps
- Response Plans in Place; Emerg. & other
- Comprehensive/Prioritized Taxa List
- ICS for IAS & other Taxa

CONTROL Priority 1

B. 1-3 STRATEGIES

- formalized Cont. Ed. Program to enhance capacity.
- Grad. Fellowships for I.S.
- Coordinating statewide ... responses to incidents
- ID statewide kuleana/roles/responsibilities
- Facilitating access/sharing of info/data.
- Coordinate among dept to strategically create positions
- Increased collaboration w/Counties.
- GAP ANALYSIS: Past anal. of EDRRs, etc.

C.P. #1

C. CAPACITY NEEDED?

- Remote-sensing Capacity/UAV
- Online Data-Sharing
- more HDOA staff; Moloka'i, etc.
- building CTAHR re. Nat. Resources
- ID staff/ for key strategies /contract svcs.
- Tech. Assistance/Skill; issue specific; research?
- Higher Salaries for civil svc. $$$

D. ID EVAL. MEASURES

- # Response Plans
- Link to est. Taxa List
- # positions & control on ea. Island.

CP1

D. cont.

- measurement of GAP – Progress 2 Capacity.
  - # of positions
  - # of trainings provided

CONTROL Priority 2: BIO-CONTROL

A. IDEAL RESULT

- Adequate FACILITIES & STAFF
- INFORMED & SUPPORTIVE PUBLIC
- PRIORITIES for B.C.
- STRONG INTNL. COLLABORATION
- INCREASED FOREIGN EXPLORATION
- CONSISTENTLY SHARING DATA/STORIES/DOCUMENTATION RE B.C.
- IS are decreasing
- TIMELY RELEASES OF B.C. AGENTS.

D. Performance of current/recent releases.

CONTROL Priority 2: BIO-CONTROL

B. 1-3 STRATEGIES

- TRANSITIONING MONITORING TO TELL THE STORY of B.C.
- FACILITATING STREAM-LINE PROCESS 4 REGS
- ADVOCACY 4 INCREASED CAPACITY
- LOCAL COST/BENEFIT ANALYSIS

C. CAPACITY NEEDED?

- Statewide Outreach Coordination

D. EVALUATION MEASURES?

- Legislative & Public Attitudes re: B.C.
- # B.C. Releases Statewide of new agents/decade.
- Time to release new agents.

CONTROL Priority 3

- MORE SOPHISTICATED
- COST/BENEFIT ANALYSIS OF EDRR/CONTROL

A

- Better tools & mgt. based on effectiveness
- ↑ support
- Clear evidence, public/published
- Model to shift from EDRR to long-term control
- Better prioritization based on cost/EFF.

CONTROL Priority 3

B. Strategies

- Request LRB study - Followup from "Filling the Gaps"
- Continue working on gaps in info (w/ UHERO, etc)
  - Roadside/powerline albezia
  - C/B of EDRR vs. control for some species from variety of taxa
  - Ungulate impacts (existing data quantification)
- Ensuring/promoting public summaries/outreach product/as summary

C. Capacity

- synthesis of existing data

Capacity cont.

*outreach-documentation

- biometrician/statistician
  - available through UH?
  - independant review

d Evaluation

- # of stories/products from data
- ↑ support (social research; ↑ in $, etc)

THOUGHT: HOW CAN THE STATE GAIN. MORE FUNDS THAT GO SPEC. FOR HISC PROJECTS & GOALS

CONTROL
WG 8.13.14

+	—
- interaction w/ stakeholders pos. exp.	- capt. pples ideas as directives met in place prior to mtg & collect ideas — prep
- could hear & follow	- see working ON & strategies
- efficient ★★	- materials where pulled out
- pple interested, cont partic.	- ↑ ↑
- remote part improved	- have more context IN overall packet (& scope)
- great to be here w/ folks	- closer together so align more
- good facil. framing comments	- confusing relat. b/w comm & prior. & statute
- facilitated	- voting: we're here & can discuss re-eval priorities
- agreed w/ the priorities	- are there voices not present?
- manageable task	- min mtg for off island
- flexibity w/ priorities b4 → deeper discussion	- jumping in - helps to have ideas fleshed / more background
	- next step - prioritize what we've discussed

not sure how those will get fleshed out

next step