

#	ISSUES	ISSUES	OPTIONS	DRAFT RECOMMENDATIONS
	Theme	Subtheme	May/June Public Process Break-out Group Results: Management Options	Draft Recommendations X = Consider creating one recommendation in this block
	Blank = No subtheme identified			
1	Artificial Concentration	Agricultural	181. Rotate Crops to distribute deer.	X
	Artificial Concentration	Agricultural	183. Limit salt sources.	
	Artificial Concentration	Agricultural	198. Target deer in concentration area, i.e. agricultural fields.	
	Artificial Concentration	Agricultural	201. Target concentrations of deer in agricultural fields early in season.	
	Artificial Concentration	Agricultural	202. Focus efforts to remove dead deer from agricultural fields.	
	Artificial Concentration	Agricultural	285. Consider salt-blocks – make unavailable to wildlife.	
2	Artificial Concentration	Reduce/Remove	140. Potential role of feedgrounds.	X
	Artificial Concentration	Reduce/Remove	54. Feed grounds – is there a way to prevent?	
	Artificial Concentration	Reduce/Remove	56. Montana is going to sue Wyoming when CWD gets to feed grounds.	
	Artificial Concentration	Reduce/Remove	162. Feed grounds need to be discussed.	
	Artificial Concentration	Reduce/Remove	163. Are habitat management areas acting like feed grounds: other concentrations of animals?	
	Artificial Concentration	Reduce/Remove	246. Hypocrisy of regulating public/feeding of wildlife with continuation of elk feed grounds and support for feed grounds.	
	Artificial Concentration	Reduce/Remove	9. Removal of artificial food sources	
	Artificial Concentration	Reduce/Remove	81. Reduce concentration of animals – artificial food sources/hot spots.	
	Artificial Concentration	Reduce/Remove	126. Reducing artificial concentration points, stock H2O points, etc.	
3	Artificial Concentration	Save Feed Grounds	55. Leave feed grounds alone – no action.	X
	Artificial Concentration	Save Feed Grounds	253. Feed grounds: add more to spread elk out more.	
	Artificial Concentration	Save Feed Grounds	291. Save our feed grounds at all costs.	
	Artificial Concentration	Townies	288. Feeding town deer: abolish.	X
	Artificial Concentration	Townies	293. Are larger urban areas contributing to high prevalence?	
4	Cervid Remains	Carcass Removal	6. Carcass removal program	X
	Cervid Remains	Carcass Removal	15. Transportation in state from Hunt Area to Hunt Area	
	Cervid Remains	Carcass Removal	35. Growing carcass disposal/landfill disposal of carcasses. Cost. Leaving carcass in the field. Make carcass disposal free	
	Cervid Remains	Carcass Removal	43. Carcass disposal in field and at home.	
	Cervid Remains	Carcass Removal	79. Strict carcass disposal regulations within the state.	
	Cervid Remains	Carcass Removal	86. Address Carcass removal	
	Cervid Remains	Carcass Removal	101. Disposal options for carcasses.	
	Cervid Remains	Carcass Removal	111. Transportation of carcasses/processed meat.	
	Cervid Remains	Carcass Removal	115. Controlling movement of dead animals/parts.	
	Cervid Remains	Carcass Removal	127. Proper carcass disposal.	
Cervid Remains	Carcass Removal	134. Proper carcass disposal – out of field.		

	Cervid Remains	Carcass Removal	178.	Department should consider guidelines for the public to dispose carcasses. Consider incentives.	
	Cervid Remains	Carcass Removal	184.	Dispose in landfill.	
	Cervid Remains	Carcass Removal	195.	Proper disposal.	
	Cervid Remains	Carcass Removal	208.	In higher prevalence areas require entire carcass to go to landfill.	
	Cervid Remains	Carcass Removal	209.	Need to address carcass disposed in areas where there is landfill restrictions or no landfills.	
	Cervid Remains	Carcass Removal	273.	Incinerator facility/carcass disposal.	
	Cervid Remains	Carcass Removal	287.	Consider carcass disposal/issue.	
	Cervid Remains	Carcass Removal	297.	Management of carcasses – ultimate disposition	
	Cervid Remains	Carcass Removal	299.	Limit carcass movement to areas with no/low prevalence.	
	Cervid Remains	Carcass Removal	300.	Certification of CWD-free waste.	
5	Cervid Remains	Regulations	110.	Are we going to change regulations to address hunters having to dispose CWD positive animals?	X
	Cervid Remains	Regulations	199.	Make carcass disposal easier in those areas with landfill restrictions.	
	Cervid Remains	Regulations	245.	Regulate use of deer parts (e.g. urine, etc.).	
	Cervid Remains	Regulations	264.	Carcass and equipment monitoring, restrictions.	
	Cervid Remains	Regulations	272.	Centralized carcass disposal/management: removal regulations for high prevalence areas.	
	Cervid Remains	Regulations	193.	Ban deer urine.	
6	Communication	CWD Prevalence	22.	In application packet list CWD prevalence by hunt area, not simply presence/absence.	X
	Communication	CWD Prevalence	31.	More updated information in hunter safety classes	
	Communication	CWD Prevalence	65.	Increase info to public, taught in hunter safety, talk and inform NGO groups, social media.	
	Communication	CWD Prevalence	150.	Maintain transparency and information provision to the public.	
	Communication	CWD Prevalence	180.	More CWD information.	
	Communication	CWD Prevalence	255.	Social media: Ongoing work with other states. Links to website for info. Public field monitoring.	
	Communication	CWD Prevalence	267.	CWD deer and elk distinction – need to message to the public.	
	Communication		170.	CWD results should specify license number in the letter hunters receive for positive results.	X
7	Education		80.	Better education on handling of carcasses.	X
	Education		19.	Need education regarding prevalence and impacts of CWD. Then consider management action.	
	Education		20.	Education for hunters on how to minimize spread of disease.	
	Education		51.	CWD education pre/post management plan to hunting and general public.	
	Education		58.	Educate the non-hunters about CWD and herd management.	
	Education		60.	Is there a way to sell CWD management to the general hunting public?	
	Education		132.	Educate public about signs of disease in animals – earlier removal.	
	Education		155.	More education – all avenues available to get the word out and get support: 1. Convince the public there is a problem. 2. Use public health epidemics as example.	
	Education		166.	More public info and education!	
	Education		205.	Education, work with landowners increase late season licensing, improve hunter access to focus management.	

	Education		223. Public should be informed about what to do with sick/dead animals.	
	Education		256. Educate taxidermists on CWD signs.	
	Education		296. Communication and education with the public on all/any management.	
	Education		298. Education of public.	
	Education		304. Educate hunters on what to leave in the field.	
8	Genetics		83. Genetic mapping to better understand susceptibility and resistance.	X
	Genetics		107. Genetic links to survivability differences deer vs. elk? Why do some big deer survive while others die?	
	Genetics		124. Genetic modification of deer for resistance.	
	Genetics		146. Will animal adapt over time?	
	Genetics		265. Genetics – mapping, study resistance.	
	Genetics		269. Accept genetic bottleneck -> resistance.	
9	Habitat		112. How can we address habitat degradation?	X
	Habitat		90. Habitat: good seasonal habitat to spread out animals – manipulation of habitat – tie in with research –	
	Habitat		117. Habitat.	
	Habitat		145. Look at environmental prevalence.	
	Habitat		274. Study plant uptake.	
10	Hotspots of Prions		8. Target hotspots in herds that do not migrate (all deer, not just clinical)	X
	Hotspots of Prions		85. Reduce hotspots	
	Hotspots of Prions		187. Test for hotspots, environmental and plant.	
	Hotspots of Prions		190. Most transmission environmental.	
11	Human Health		159. Be transparent about info known about CWD transmission to humans. Make that data more available through WGFD avenues.	X
	Human Health		108. Are we creating fear (health concerns) or undue wasting problems. And economic concerns.	
	Human health		240. Human safety concerns.	
	Human health		244. Concerns with current information about the disease – how do we effectively apply management actions with unknown results/impacts?	
	Human health		250. Human safety concerns.	
	Human health		286. Consider human health – potential for species cross-over.	
	Human health		118. Human health implications.	
	Human health		292. Continued research and education on human health.	
12	Landowners		33. Landowner incentive to allow access	X
	Landowners		39. Giving landowners an active role in responsibility of managing herds, transmission, disposal, etc. (Increasing landowner coupons to give incentive.)	
	Landowners		152. Landowner participation required for desired harvest levels and sampling efforts – consequences for not participating.	
	Landowners		225. Allow landowners to be involved in recording/observation of deer/CWD.	
13	Management	Buck Harvest	7. Harvest bucks at higher rates	X
	Management	Buck Harvest	142. Sacrifice area with season structure e.g. late season to target bucks – longterm.	
	Management	Buck Harvest	171. Management should target larger mature bucks.	

14	Management	Determine Threshold	282. Develop statewide goal for CWD prevalence.	X
15	Management	Experiment	46. Continue with 5-year objective reviews, but take a closer look at CWD.	X
	Management	Experiment	160. Look at females to male ratios and manage for ratios that are favorable for disease management.	
	Management	Experiment	174. We have to attempt something in order to learn about the disease.	
	Management	Experiment	175. Satellite to (sting?) sites.	
	Management	Experiment	230. Apply WAFWA management plans in one location all together to see if parts of each work together to reduce CWD.	
	Management	Experiment	235. Management: Control area where all cervids are removed and an exclusion fence is created to allow area to allow all prions to degrade.	
	Management	Experiment	275. Experimental design: different levels or types of management.	
	Management	Experiment	295. Try limited population control on trial bass to see if it works.	
	Management	Experiment	224. Stick with hunting season structure (late deer hunting) (N. Fork) that public likes, use as experiment.	
	Management	Experiment	ID area where to use experiments/structure.	
	Management	Experiment	75. Look at harvest rates of bucks, does and season lengths.	
16	Management	Focused harvest	24. Should consider focused, high intensity harvest in high CWD prevalence areas. Consider designating small hunt areas to focus harvest.	X
	Management	Focused harvest	38. Increase licenses in high prevalence areas over a set period to observe a noticeable impact. 5, 10 15 years?	
	Management	Focused harvest	40. Kill them all if there is application in small – have to get public buy-in.	
	Management	Focused harvest	93. Increase harvests/licenses in social groups/"hot spots"	
	Management	Focused harvest	135. Reduce densities.	
	Management	Focused harvest	138. Cull targeted areas/s.	
	Management	Focused harvest	139. Cull statewide.	
	Management	Focused harvest	182. Remove sick deer.	
	Management	Focused harvest	213. Be specific in culling – target sick deer.	
	Management	Focused harvest	279. Focus potential management strategies in areas of increased prevalence.	
	Management	Focused harvest	284. Use public for ungulate density decrease efforts – potential.	
	Management	Focused harvest	5. Allow hunters to shoot positive deer without tagging or calling warden	
	Management	Focused harvest	207. Focus efforts in low or no prevalence areas to keep them low.	
	Management	Focused harvest	280. Base potential management in areas of 95% confidence interval	
17	Management	Funding	50. WGFD pay a processing fee.	X
18	Management	General	61. Contain/control the spread of CWD	
	Management	General	73. Multiple approaches	
	Management	General	241. Management is necessary.	
	Management	Keep Status Quo	45. Keep herd management at status quo- no action.	X
	Management	Keep Status Quo	133. No eradication efforts	
	Management	Keep Status Quo	137. Status quo with minor changes.	
19	Management	Late Harvest	32. Late season deer season – point restriction 3 point or more	X

	Management	Late Harvest	229. Post rut deer hunt.	
20	Management	Look at other plans	37. Look at existing studies and knowledge from former CWD plans, try to implement.	X
	Management	Look at other plans	59. Management plan similar to Colorado – mandatory testing.	
	Management	Look at other plans	254. Other states: what has/hasn't worked.	
21	Management	Monitoring	99. Monitoring management strategies for long periods of time.	X
	Management	Monitoring	294. Continue monitoring and refining ability to defeat spread.	
22	Management	Moose	57. Pay attention to moose.	X
	Management	Mule Deer	172. Consider targeting mule deer groups or population segments which employ a resident (non-migratory) life history/strategy for more aggressive harvest strategy.	
	Management	Pronghorn	76. Pronghorn and CWD	
23	Management	Public Reaction	109. Won't come back to hunt in CWD areas.	X
	Management	Public Reaction	121. Assurance that population management will have positive impact on prevalence.	
24	Management	Refund/New tag	4. Helping hunters who harvest positive deer – tags are refunded	X
	Management	Refund/New tag	29. Harvesting a CWD animal and having the opportunity to harvest at least one more	
	Management	Refund/New tag	42. Additional hunting licenses if cervid is positive.	
	Management	Refund/New tag	77. Hunters should get another license if they harvest a positive animal.	
	Management	Refund/New tag	191. Reissue tag to hunter that harvests CWD deer.	
	Management	Refund/New tag	196. Reissue tags to hunters who harvest CWD positive deer.	
	Management	Refund/New tag	206. Look at additional licenses with CWD positive results.	
	Management	Refund/New tag	237. Replacement tag for hunter animals that test positive.	
	Management	Refund/New tag	251. Re-issue licenses with CWD positives.	
	Management	Refund/New tag	290. License refund/replace for postive test harvest.	
	Management	Refund/New tag	303. Hunters that harvest positive animals in targeted areas are issued another license valide for that area free of charge.	
25	Management	White Tail Deer	136. Allow unlimited harvest of WTD.	X
	Management	White Tail Deer	151. Decreasing white tail densities in general.	
	Management	White Tail Deer	173. Sympatric WTD populations should be considered as a contributor to CWD and for increased harvest.	
	Management	White Tail Deer	204. If WTD prevalence is higher than MD then focus management on WTD.	
26	Management		176. Liberalized harvest should incorporate youth hunters.	X
	Management		179. Non-resident harvested deer (high priority).	X
	Management		192. Denature prion in environment. ++++++	
27	Migration		188. Migration corridors not a concern.	X
	Migration		27. CWD plan should emphasize importance of migration corridors to allow animals to disperse to low density areas.	
	Migration		63. Migration routes: long term effects and spread of CWD	
	Migration		211. Determine prevalence between local deer and migratory deer in same area.	
	Migration		238. Initiate study of prevalence in migratory deer in 164 compared to resident deer. Track migratory deer.	

28	Minerals		91. Alternative research: minerals	X
	Minerals		102. Mineral supplements research: copper, Zinc, magnesium	
	Minerals		131. Mineral blocks/supplements?	
	Minerals		239. Mineral deposits and correlation with CWD.	
29	Predators	Increase hunt	3. Increase predator populations	X
	Predators	Increase hunt	36. Predator license quota balance – less lions/predators harvested by public.	
	Predators	Increase hunt	41. Increase mountain lion and bear populations.	
	Predators	Increase hunt	104. Study stress related effects of lions/predators: ptsd?	
	Predators	Increase hunt	113. Predator control – increase predator quotes, trapping quotas?	
	Predators	Increase hunt	116. Predator management/stress reduction.	
	Predators	Increase hunt	259. Predator management in relation to MD management.	
	Predators	Increase hunt	260. Manage predators during periods of low populations.	
	Predators	Use predation	84. Study predators dispersing ungulates to lower prevalence.	X
	Predators	Use predation	119. Role of wolf predation on CWD transmission.	
	Predators	Use predation	161. Lion harvest more conservative to help manage the disease (if targeting CWD positive deer).	
	Predators	Use predation	270. Increase wolves in a high CWD prevalence areas (tolerate predation and scavenging) – study impacts.	
Predators	Use predation	281. Consider predator management/quotas, increase densities in specific areas.		
30	Regulations		49. Review regulations – to reduce potential fines.	X
	Regulations		243. Standards of game processing to reduce cross-contamination.	X
31	Research	Better testing, larger	143. Increase sampling.	X
	Research	Better testing, larger	158. Better sample sizes for prevalence estimates: otherwise difficult to be accountable to the public.	
	Research	Better testing, larger	186. Improve tests.	
	Research	Better testing, larger	197. Improve sample sizes.	
	Research	Better testing, larger	216. Need for better testing.	
	Research	Better testing, larger	247. Research on CWD detection in fecal samples (presence of disease).	
32	Research	Big Horn Basin	228. Control group at parting of the waters (20 mile radius).	X
33	Research	Environmental	13. Better environment testing to better understand CWD in the environment (soil, plants)	X
	Research	Environmental	95. Different testing methods: feces, soil – can we utilize these for more testing?	
	Research	Environmental	276. Study if environmental contaminants from ag (e.g. herbicides) have synergistic effect (has it been studied?).	
	Research	Environmental	307. More research on correlations between prevalence of CWD and environmental factors.	
34	Research	Funding Purpose	185. Increase/Need funding.	X
	Research	Funding Purpose	23. Working group should pursue additional funding to determine why prevalence is higher/lower in different hunt areas.	
	Research	Funding Purpose	66. Increase funding for more research on CWD	
	Research	Funding Purpose	87. Increase research funding and education.	

	Research	Funding Purpose	167. More \$\$\$\$!	
35	Research	Funding Source	68. Donation for CWD research when purchasing license.	X
	Research	Funding Source	71. Greater resource of funding (feds)	
	Research	Funding Source	72. GF stamp for CWD	
	Research	Funding Source	123. Place more funding to CWD research and management, needs to come from general fund. Broad financial SW implications. Funding future issues for Department.	
	Research	Funding Source	153. Funding – sustainable.	
	Research	Funding Source	164. Lobby legislators for support and funding	
	Research	Funding Source	177. Department should seek out alternative funding opportunities.	
	Research	Funding Source	221. Consider funding source for CWD research/checks that does not rely on hunters (conservation groups, government).	
	Research	Funding Source	232. 20% of resident licenses allocated for special draw + (\$200.00) same as non-resident all increased funds from this fund CWD research.	
	Research	Funding Source	233. Volunteer donation with purchase of tag.	
	Research	Funding Source	234. Licenses increase of \$ 2.00 to send \$\$ to CWD research.	
	Research	Funding Source	302. Need to task legislature with funding for testing of targeted areas (hunters don't pay).	
36	Research	General	70. Research longterm	X
	Research	General	89. Research of correlation between deer and elk: collar elk/deer – Looking at internal function – test specific groups – where do the animals contract the disease? – what are they eating? – change of diet, seasonal.	
	Research	General	92. Immune system – correlation with poor weather, lack of food, etc. and increasing CWD prevalence.	
	Research	General	114. Research (general) and genetics.	
	Research	General	154. More research.	
	Research	General	165. More research!	
	Research	General	277. More research on CWD fundamentals.	
37	Research	Genetics	25. Plan needs to pursue research on genetic factors that influence animal susceptibility/immunity.	X
	Research	Genetics	26. If research identifies genetic resilience, reduce harvest on these deer.	
	Research	Lichen	248. Need more research (lichen association with CWD).	X
	Research	Literature	278. Worldwide synopsis of known peer-reviewed literature.	X
	Research	Males	141. Modeling mature males with CWD	X
	Research	Nutrition	103. Nutritional research	X
38	Research	Prions	28. Pursue research on modifying/destroying CWD prion.	X
	Research	Prions	212. Find out what will kill prion then come up with fix . (culling is not working). (Supplement feeding of deer to cure). Develop/use vaccine in feed (supplemental feeding).	
	Research	Prions	266. Concentration of prions – better to concentrate, spread out?	
	Research	Prions	305. Need to determine rates of prion sloughing.	
	Research	Prions	306. Denaturalization and renaturalization of proteins and related pure research.	
39	Research	Social Science	283. Public survey (consumptive/non-consumptive) at CWD attitudes.	X

40	Research	Transmission	100.	Understand transmission and why higher prevalence of bucks.	X
	Research	Transmission	130.	More research about transmission.	
	Research	Transmission	236.	Track transmission to species outside of cervids.	
	Research		194.	Impact environmental services.	
	Research		249.	Air quality/inventory.	
	Research		74.	Study controlled herds	
41	Testing	Citizen Science	263.	Reporting tool – concentration of (living or dead) animals (citizen science).	
42	Testing	Decrease test turn-around	52.	Increase test turn-around time.	X
	Testing	Decrease test turn-around	157.	More work toward higher efficiency and access to testing – shorter turn-around times.	
	Testing	Decrease test turn-around	200.	Fast turnaround samples for hunters.	
43	Testing	Field Test	242.	Research for an immediate field test that can be collected by hunters?	X
	Testing	Field Test	21.	Work to develop a simple field test so hunters can check if animals are positive or negative at harvest site.	
	Testing	Field Test	30.	Easier testing availability/self sample	
	Testing	Field Test	64.	Increased sampling: provide all hunters with CWD kit. Make it reward based.	
	Testing	Field Test	96.	Quicker testing options for harvests.	
	Testing	Field Test	98.	Field test kit?	
	Testing	Field Test	120.	Rapid field test, to make decision on processing/consumption.	
	Testing	Field Test	144.	Make sampling convenient.	
	Testing	Field Test	219.	Train hunters/volunteers to sample harvested deer.	
	Testing	Field Test	301.	Ability to do test and slaughter by hunters.	
	Testing	Field Test	261.	Find easier ways to test.	
44	Testing	Considerations	16.	Collect data: High quality baseline, Statewide data collection, Don't infer from small samples, Mandatory testing - Check stations or field check - Logistics? Who checks? Keep checks yearly or every other year - Identify location of kill.	
	Testing	Considerations	18.	Use volunteers? NGOs, Public. For sampling: Very focused season. After monitoring and after original hunting season, Include females in harvest plan, Culling vs. harvest, More PR from Game and Fish – be transparent on why harvesting or culling, Mandatory checks – incentives? Non-invasive sampling? Fecal? Vegetation? One deer. Sample more than lymph node. Fecal, urine, saliva.	
45	Testing	Lead Research facility	67.	Having a lead facility: 1 facility to do main research on CWD among all states.	
46	Testing	Mandatory harvest test	10.	Mandatory harvest check statewide all species	X
	Testing	Mandatory harvest test	48.	Mandatory testing.	
	Testing	Mandatory harvest test	78.	Increase sampling, maybe mandatory.	
	Testing	Mandatory harvest test	88.	Mandatory Sampling: Turn in sample or be penalized - Kits to hunters/25% etc. - Volunteers/federal employees in the field - Covers all Cervids – Work with businesses – Education to pull samples – Hunter	
	Testing	Mandatory harvest test	Education re. sampling.		
	Testing	Mandatory harvest test	97.	Mandatory check in: leaving doe/cow heads in field limits what can be sampled.	
	Testing	Mandatory harvest test	156.	Mandatory sampling and harvest reporting (increase license price to pay for sampling or offset cost with CWD stamp, similar to feedground elk stamp).	

	Testing	Mandatory harvest te	169.	Mandatory testing should be implemented for hunter harvested mule deer.	
	Testing	Mandatory harvest te	210.	Mandatory sampling or provide incentives to increase sample sizes.	
	Testing	Mandatory harvest te	215.	Mandatory sampling of harvested animals so you can get good data.	
	Testing	Mandatory harvest te	218.	If sampling is mandatory, come up with way to cover cost. Check points for hunters.	
	Testing	#VALUE!	252.	Look at benefits of mandatory testing: incentives vs. regulation.	
	Testing	Mandatory harvest te	227.	Require every tag filled to test for CWD: Mandatory check-ins – volunteers to help collect samples. Carcass test negative before being accepted into a processor Or eartag/collar resident deer (towny deer) to study and design experiments to control Chronic Wasting Disease.	
47	Testing	Targeted testing	11.	Check targeted herd units	X
	Testing	Targeted testing	220.	For sampling, pick one area to focus on, set up check points.	
	Testing	Targeted testing	222.	Focus testing on specific areas where deer are concentrated (town).	
48	Testing	Test and cull	189.	Live test and cull.	