

SUBJECT INDEX FOR IJS VOLUMES 1-11 (1995-2005)

- Accipiter gentiles*, see northern goshawk
acetylcholinesterase: 1:1-15
acute toxicity: 9:53-58
adrenocorticotropin: 1: 29-36
algae: 2(2):17-26
amphibians: 4:33-49
Antilocapra Americana, see pronghorn
arginine vasopressin: 1:29-36
Artemisia cana, see silver sagebrush
Artemisia spp., see sagebrush
aspen:
 browsing, 6:49-55
 clear-cutting, 6:49-55
 dioecious reproduction, 7:107-123
 embryology, 7:107-123
 morphology, 7:107-123
 regeneration, 6:49-55
Aquatic ecosystems:
 cover, 6:232-248
 macroinvertebrates: 6:178-196, 7:49-56
 macrophytes, 6:249-262
 habitat, 3:125-130, 6:178-196, 6:232-248
 river regulation, 7:49-56
 sedimentation, 6:232-248
 tailwaters, 7:49-56
average plume spread: 10:8-19
avian assemblages: 5:1-11, 6:33-48
bald eagle: 1:1-15
bats:
 artificial roost sites, 9:19-25
 temperature requirements, 9:19-25
Bears:
 grizzly bear, 3:17-37
beaver: 3:11-16
behavior: 3:55-61
benthos: 3:11-16
Bighorn sheep: 6:339-354
 habitat selection, 11:25-30
 spatial independence, 11:25-30
biculturalism: 3:131-142
binary vector spaces: 4:82-87
birds, general:
 Montana, 9:66-77
 radar monitoring, 9:66-77
bison: 6:18-32
Bitterroot River, Montana: 4:68-81
Black Hills, South Dakota: 6:33-48
bottled water:
 analysis, 7:41-45
 total organic carbon, 7:41-45
brook trout: 6:217-222, 6:232-248,
8:191-211
bull trout:
 mountain lakes, 8:143-152
 nonnative, 8:143-152
burbot:
 conservation strategy, 8:178-190
 Kootenai River, 8:178-190
burrowing owl:
 breeding season, 7:63-69
 diet, 7:63-69
 Montana, 7:63-69
butyrylcholinesterase: 1:1-15
Canis latrans, see coyote
Castor canadensis, see beaver
catalysis: 2:35-39
Census:
 capture efficiency, 3:1-6
 distance sampling (streams), 6:223-231
 live trap, 2(2):10-16, 3:1-6
 pitfall trap, 2(2):10-16, 3:1-6
 Shannon diversity index, 2(2):10-16
 snap trap, 2(2):10-16, 3:1-6
 track surveys, 6:78-85
Centrocercus urophasianus, see sage
grouse
Cervus elaphus, see elk
cetyltrimethylammonium bromide: 1:37-43
channel catfish: 5:28-34
Charles M. Russell National Wildlife
Refuge, Montana: 6:57-67
chorofluorocarbons: 6:119-142
chromatography: 1:44-52
Clark Fork River, Montana: 2(2):17-26
composted sewage sludge: 3:38-46
computational complexity: 4:82-87

Conservation Reserve Program: 2(2):10-16
corticotropin releasing factor: 1:29-36
cougar: 1:16-28

Coyote:

age structure, 7:93-106
bounties, 3:62-72
control, 3:62-72, 7:93-106
density, 6:78-85
diets, 6:355-367
longevity, 3:62-72
prey, 6:355-367
reproduction, 7:93-106
survival, 3:62-72

cutthroat trout:

captive broodstock, 9:59-61
conservation, 8:125-142, 8:191-211
distribution, 8:153-177
hybridization, 8:153-177 native,
8:125-142, 8:191-211
restoration, 8:125-142
Utah, 8:125-142
westslope subspecies, 8:153-177,
8:191-211, 9:59-61, 9:101-106

Cygnus buccinator, see trumpeter swan

Cyprinidae, see minnows

Decarboxylase:

amino acid decarboxylase (AADC),
6:95-101
decarboxylation, 2:35-39

Deer:

forage use, 11:58-65
northwest Montana, 11:58-65
intelligent transportation systems,
8:1-18
vehicle collision mitigation, 8:1-18
mule deer, 2:1-7, 3:62-72, 8:213-222
white-tailed deer, 2:1-7, 3:87-93,
11:58-65

Deer mice:

abundance, 2(2):10-16
habitat relations, 3:117-124, 5:12-22
hantavirus, 8:38-44
marking techniques, 11:66-70
differential adjustment: 3:131-142
discriminant functions: 3:47-53
Douglas-fir: 2:1-7

efficiency wage theory: 9:38-52

Ephemeroptera: 6:178-196

electrical conductivity: 1:37-43

electrogravimetric analysis: 4:50-55

electrolysis: 4:50-55

Elk:

browsing, 4:57-67, 6:49-55
effects of ecosystem management,
2:1-7
habitat selection, 7:70-77, 11:10-24
interspecific interactions, 6:339-354
mortality, 6:86-94
population trends, 4:1-9
security cover, 7:70-77
sexual segregation, 7:70-77
South Dakota, 11:10-24
vulnerability, 6:86-94
winter range, 4:1-9

environmental contaminants: 1:1-15

epinephrine: 1: 29-36

feedback iteration function: 2:16-25

Festuca idahoensis, see Idaho fescue

Fisheries ecology:

competition, 6:197-216, 6:217-222,
8:153-177, 8:191-211
fish barrier, 8:191-211
fish ecology, 6:10-17
fish passage, 6:232-248
introduced fish, 6:57-67, 7:22-33
movements, 6:232-248
native fish, 6:57-67, 7:22-33
prairie stream fishes, 6:57-67
redds, 6:223-231
spawning, 6:223-231, 9:59-61
survival, 6:197-216, 6:217-222,
6:232-248
winter research, 6:232-248

Fisheries management:

angler response, 3:94-100, 6:68-77
electrofishing, 5:35-38, 8:192-211
hatcheries, 6:197-216
Montana, 7:1-21, 9:101-106
native fish recovery, 9:101-106
turbulent fountain, 9:101-106

Flathead Indian Reservation, Montana:
4:33-49

- fluid flow: 2:26-34
forensic anthropology: 3:47-53
Forestry:
ecosystem management: 2:1-7
forest stand structure, 4:10-21
growth form: 4:57-67
landscape analysis, 4:10-21, 6:86-94
landscape ecology, 5:12-22
logging effects on song birds, 6:33-48
road density, 11:10-24
thinning treatment effects on small mammals, 5:12-22
geographical information systems (GIS): 5:23-27, 6:86-94, 6:178-196, 7:78-91, 8:30-37, 10:1-7
geomorphometry:
digital elevation models, 7:78-91
ecological mapping, 7:78-91
golden eagle: 1:1-15
Grand Teton National Park, Wyoming: 5:1-11
Great Plains:
Crow Creek, Wyoming, 3:11-16
Laramie Plains Lakes, Wyoming, 3:73-81
green space: 8:30-37
Headwaters State Park, Montana: 2(2):1-9
heavy metals: 1:1-15
Henry's Lake: 6:263-284
Henry's Fork of the Snake River, Idaho: 6:103-332
aquatic resources, 6:312-332
bibliography, 6:312-332
consumer surplus, 6:285-292
economics, 6:106-118, 6:285-292
geography, 6:106-118
geomorphology, 6:159-177
hydrology, 6:119-142, 6:312-332
history of fisheries management, 6:263-284
landuse, 6:178-196
nonnative fish, 6:197-216
recreation, 6:285-292
watershed, 6:106-118, 6:178-196
watershed management, 6:293-311
Home range:
fidelity, 3:62-72
Horse Creek, Wyoming, 9:62-65
Ictalurus punctatus, see channel catfish
Idaho fescue: 4:22-26
Immigration:
Russian-Americans, 3:131-142
immiscible fluid: 2:26-34
incubation: 3:55-61
insulin replacement: 1: 29-36
Island Park Reservoir, Idaho: 6:263-284
juniper-woodland, 8:19-29
kinetics: 2:35-39
lake trout;
nonnative, 8:143-152
Lemmiscus curtatus, see vole, sagebrush
Lewis and Clark Journals: 11:31-43
megafauna, 11:31-43
ration units, 11:31-43
recorded kills, 11:31-43
Lewis and Clark Caverns State Park: 11:1-7
Lewis' woodpecker: 3:55-61
lichens: 2:1-7, 2(2):1-9, 3:82-86, 11:1-9
light scattering: 1:37-43
limestone: 1:44-52
Little Bighorn River, Wyoming 7:22-33
Liu pyramids: 2:16-25
Lota lota, see burbot
Madison River, Montana: 6:1-9
Machrybopsis gelida, see sturgeon chub
macroinvertebrates: 3:11-16
magnetic float: 2:35-39
mass spectrometry: 1:44-52
martial arts: 10:20-24, 11:71-75
Melanerpes lewis, see Lewis' woodpecker
Merriam's turkey:
nesting, 9:26-37
population characteristics, 9:26-37
survival, 9:26-37
metal complexation: 3:38-46
micelles: 1:37-43, 3:101-106
Microtus spp., see voles
mine reclamation: 3:38-46, 8:213-222

minnows: 6:10-17
 miscible fluid: 2:26-34
 Mississippian Lodgepole Formation: 1:44-52
Missouri River, Montana:
 fishery, 6:10-17, 6:68-77, 7:1-21
 monoid: 2:16-25
Myxobolus cerebralis, see whirling disease
 natural resources: 6:293-311
 New Zealand mud snail: 9:53-58
 normal alkanes: 1:44-52
 northern goshawk:
 nest behavior, 7:34-40
 prey delivery rates, 7:34-40
 noxious weeds: 6:368-369
 National Elk Refuge, Wyoming: 6:49-55
 NP-complete: 4:82-87
 nuclear magnetic resonance spectra: 3:101-106
 numerical wave propagation: 1:53-60
Odocoileus hemionus, see deer, mule deer
Odocoileus virginianus, see deer, white-tailed
Oncorhynchus clarki, see cutthroat trout
O. c. bouvieri, see Yellowstone cutthroat trout
O. mykiss, see rainbow trout
 organochlorines: 1:1-15
Ovis canadensis, see bighorn sheep
 paddlefish: 3:94-100, 5:35-38, 6:68-77
 peer mediation: 2:8-15
Peromyscus maniculatus, see deer mice
 photo interpretation: 4:10-21
Phenacobius mirabilis, see suckermouth minnow
 pine, ponderosa: 2:1-7
 Plecoptera: 6:178-196
 Pollutant behavior:
 peak concentrations, 9:87-100
 plume spread, 9:87-100
Polydon spatula, see paddlefish
Populus tremuloides, see aspen
 porous media: 2:26-34
Potomopyrgus antipodarum, see New Zealand mud snail
 Powder River Basin, Wyoming, 8:213-222
 predation: 1:16-28, 3:62-72, 6:1-9
 Pronghorn:
 effects of mining, 8:213-222
 habitat, 8:213-222
 propagule: 4:27-32
Pteronarcys californica, see salmonflies
Public involvement:
 communication, incentives, 6:293-311
 community building, 6:293-311
 cooperation, 6:293-311
 incentives, 6:293-311
 rainbow trout: 6:223-231, 6:232-248, 6:249-262, 6:263-284
Reithrodontomys megalotis, see western harvest mice
 remote sensing: 4:10-21
 reptiles: 4:33-49
Riparian:
 ecology, 6:159-177
 vegetation, 6:159-177
Rocky Mountains: 3:1-6
 East Front, Montana, 3:17-37
 Bangtail Range, Montana, 4:22-26
 Jackson Hole, Wyoming, 6:49-55, 6:78-85, 6:355-367
 Laramie Range, Wyoming, 3:55-61
 Teton Range, Wyoming, 6:106-118
 sagebrush:
 characteristics, 8:46-59
 distribution in Montana, 8:46-59
 management, 8:46-59, 8:67-81
 taxonomy, 8:46-59
 sagebrush-grassland: 8:19-29
 conservation, 8:60-66
 management, 8:60-66
 sage grouse, greater:
 ecology, 8:67-81
 habitat, 8:94-104, 8:105-116
 hatching chronology, 8:82-93
 livestock interaction, 8:105-116
 management, 8:67-81
 migration, 8:67-81

molt, 8:67-81
productivity, 8:82-93
status, 8:67-81
salmonflies: 6:1-9
Salmonidae: 7:22-33
Salvelinus fontinalis, see brook trout
Salvelinus namaycush, see lake trout
Sauger: 7:1-21
scat analysis: 6:355-367
seed dissemination: 4:27-32
selenium: 1:1-15
shrews: 2(2)10-16
silver sagebrush: 4:27-32
small mammals, general:
 abundance, 5:12-22
 capture efficiency, 3:1-6
 community structure, 8:19-29, 5:12-22
 diversity, 2(2)10-16, 8:19-29
 habitat, 3:1-6, 3:117-124, 8:223-225
 New Mexico, 8:223-225
Snake River, Wyoming: 5:1-11
Soils:
 fertility, 4:22-26
 leaching, 4:22-26
song birds: 5:1-11, 6:33-48
Sorex spp., see shrews
spectrophotometric analysis: 4:50-55
Speotyto cunicularia, see burrowing owl
stable isotopes: 6:119-142
Stizostedion vitreum, see walleye
Stizostedion canadense, see sauger
Springs:
 recharge, 6:119-142
Streams:
 channel morphology, 6:143-158
 discharge, 3:82-86
 groundwater seepage impacts, 4:68-81
 morphology, 4:68-81, 7:22-33
 peak flood, 3:82-86
 riparian corridor, 5:1-11
 spring-fed, 6:143-158, 6:159-177, 6:178-196
streptozotocin: 1: 29-36
sturgeon chub: 3:125-130

suburban development: 6:78-85, 6:355-367
suckermouth minnow: 9: 62-65
surfactants: 2:35-39, 3:101-106
Tamias amoenus, see yellow pine chipmunk

Terrestrial ecosystems:

 browsing history, 4:57-67, 6:49-55
 food habits, 1:16-28, 6:355-367
 foraging, 3:55-61, 6:18-32
 forest openings, 3:87-93
 grazing influences, 3:17-37, 6:18-32
 habitat, 2:1-7, 3:1-6, 3:55-61
 habitat fragmentation, 6:33-47
 habitat security, 3:87-93, 6:86-94
 habitat selection, 1:16-28
 human disturbance, 5:1-11
 invertebrates, general, 9:78-86
 terrain ruggedness, 5:23-27
 vascular plants: 6:333-338
 vernal migration, 9:66-77

tracer investigations: 10:8-19

Trichoptera: 6:178-196

trout: 7:22-33, 11:45-57

trumpeter swan: 6:249-262

Tubifex tubifex, see whirling disease

urban planning: 8:30-37

Ursus arctos, see bear, grizzly

visible spectra: 3:101-106

Voles: 2(2)10-16, 3:117-124

 sagebrush vole, 3:117-124

walleye: 3:7-10

waterfowl: 3:73-81

Water:

 management, 6:249-262

 quality, 6:1-9, 6:312-332

western harvest mice: 3:117-124

whirling disease: 7:57-62, 11:45-57

Wildlife management:

 furbearers, 9:1-18

 human dimensions, 9:1-18

 Montana Indian reservations, 3:107-115

 mail survey, 9:1-18

 Northern Yellowstone elk herd, 4:1-9

 trapping, 9:1-18

tribal law enforcement and criminal
codes, 3:107-115

wildfire:

fuel load, 10:1-7

Idaho, 10:1-7

risk, 10:1-7

Xanthoria elegans, see lichens

yellow pine chipmunk: 5:12-22

Yellowstone cutthroat trout: 6:263-284

population status, 6:197-216

Yellowstone National Park: 4:1-9, 4:57-
67, 6:18-32, 6:143-158

Yellowstone River, Montana:

paddle fishery, 3:94-100, 5:28-34

Montana fishes, 7:1-21

Two Moon Park, 6:333-338, 6:368-
369