

Research and Technical Support Strategy

84. Research and Technical Support Strategy Projects Funded by SNH during the year to 31 March 2004

Project Details		Budget
Project Title	Contractor	Amount Paid During 2003/04
Monitoring of lichens at Milton Wood SSSI	A Coppins	£783
Collation of historical FWPM records for R.Tay and S. Esk cSACs	Peter Goodwin	£540
Monitoring of grassland at Meikleour SSSI	Martin Robinson	£590
AREA – DIGITISATION OF CRAIGENGAR c SAC NVC SURVEY	Central Environmental Surveys	£235
Factors influencing lamprey distribution within SAC river systems	Napier University	£1,500
Contribution to the Study of Capercaillie disturbance (Glenmore and Abernethy)		£2,000
Forest Habitat Network for Angus, Lowland Perthshire, Clacks and Fife	Richard Worrell – Partnership project with Forestry Commission	£2,000
Demonstration of sustainable crawfish fishing techniques in the Firth of Lorn SAC	Argyll & Bute Council	£3,000
Baseline survey of lamprey and salmon habitat in R.Tay cSAC	Stirling University	£3,000
Shetland Shellfish Management review	Shetland Shellfish Management Organisation	£3,380
Timing of breeding: Moorland bird study	British Trust for Ornithology	£4,823
Support for inter-agency project: influencing the review of the CFP	English Nature	£7,219
Cuillins SPA Golden Eagle Home Range Use, Prey Availability and Diet Study	Paul Haworth	£8,054
Determining factors associated with declines in moorland breeding birds	RSPB	£10,000
The conservation & management of Capercaillie in Scotland	RSPB	£10,000
National Hen Harrier Survey 2004	RSPB	£10,000
SCM: Moray Firth bottlenose dolphin monitoring strategy	University of Aberdeen	£10,361
Sharing Data & Information		£17,960
Arran Access Project (HLF/EAGGF)	1) Stuart Lambie 2) J W Boal 3) John Thomson Quarries 4) Marler Haley	£39,728
Bat EBL review	Aberdeen University	£3,568
Digging of trench at Rhynie Chert SSSI	Aberdeen University	£300
Loch of Strathbeg geese feeding study	Aberdeen University	£1,305
Experimental investigation of management requirements for small cow wheat, <i>Melampyrum sylvaticum</i>	Aberdeen University	£2,000
Hire of school for Rhynie Chert event 21/9/03	Aberdeenshire Council	£52
Tourism and Environment project promotion and development	AK Bell and VisitScotland	£2,629
AREA -WHITLAW MOSS BUFFER STRIPS ADVICE	Alan Frost	£318
Landscape Advice to Areas (Year 3 of 3)	Alison Grant, Horner MacLennan, Janet Swailes, Simon Bell, David Tyldesley, Carol Anderson	£30,248
Plant species record collation for Tayside & Clackmannanshire	Alistair Ross	£2,700
AREA – LOW WATER TIDE COUNT	Andrew Douse	£1,000
Demographic change and Natural Heritage Futures	Andrew Thin	£1,800
Claish Dhearg NVC	Andy Acton	£907
SCM: Flies in SSSIs – a	Andy Godfrey	£12,830
F03LJ11 – AREA – BEAN GEESE	Angus McIver	£665
SCM: Woodlice	Arachne	£1,500
SCM: Spiders	Arachne	£3,900
SCM: Rivers and Streams	Ardeola	£14,577
Marine SAC project officers	Argyll & Bute Council	£20,138
Trial re-introduction of European Beaver to Knapdale: Water Monitoring	Argyll & Bute Council	£4,800
Review status of endemic whitebeams on Arran Previous Order No. 1700 new order 4976	Ashley Robertson	£2,200
Habitat & management survey of land adjacent to Orkney Mainland Moorlands SPA	Aurora Environmental	£4,022
Onich Woods cSAC NVC survey	B & A Averis	£2,150
Feasibility and Implications of Managed Realignment at Skinflats, Firth of Forth. Phase 2 studies	Babtie Group	£13,977
Wester Ross <i>Herbetus borealis</i> monitoring	Ben Averis	£2,164
Coll aggregates project	BGS	£7,000
SCM of Atlantic Salmon cSACs	Bidwells	£58,750
An Assessment of the Environmental Impacts of Developments that were subject to Environmental Impact Assessment; 1st phase – A Review of Environmental Impact Assessment for Aquaculture Developments	BMT Cordah Ltd	£3,760

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Glen Nant woodland monitoring	Bob Black	£500
Monitoring of rare plants on selected SSSIs in Scotland 2002/04	Botanical Society of British Isles 10905	£5,500
Loch Maree Habitat Evaluation Phase 2	Brendan O'Hanrahan, Environmental Research Associates	£6,000
Contribution to Scottish Dragonfly Recording	British dragonfly Society	£721
Rhodi Control – River Kerry	BTCV	£3,327
A manual for survey methods for birds of prey in Scotland	BTO	£1,000
Aerial photographs	Cambridge University	£50
Examine impact of hedgehogs on Corncrakes in Ness & Barvas	Capreolus Consultancy	£9,947
Technical and economic feasibility of using helicopters for the construction of windfarms	Carl Bro Group	£2,991
GCR statement for Clashach Quarry	Carol Hopkins	£1,950
Air Pollution Lead Co-ordination Network	CCW	£4,000
Air Pollution Information System- maintenance	CEH	£2,350
TP: BSBI Plant Trends	CEH	£4,159
F03LJ14 – STATUS OF PUFFINS IN FoF ISLANDS SPA	CEH	£9,330
Threatened bryophyte database	CEH	£7,000
Environmental Change Network – Cairngorms terrestrial site	CEH Monkswood	£15,000
Baseline survey of amphibian habitat at Torflundie Wood cSAC	Central Environmental Services	£1,939
NVC surveys of cSACs: Ben Lawers	Central Environmental Services	£20,249
SCM: Identification of boundaries of upland notified features and samples within these	Central Environmental Surveys	£10,906
NVC Survey Arran Moors pSPA & Arran N. Mountains; and Deer Range Condition Asses. Order No. 1784	Central Environmental Surveys	£29,621
Racing pigeons – impact of raptor predation	Central Science Laboratory	£53,200
Bat rabies winter sero-prevalence study (aka Survey of antibodies to EBL viruses in bats in Scotland)	Central Science Laboratory	£109,589
Habitat use and range management on priority areas for hen harriers	Centre for Ecology & Hydrology	£47,500
White-Tailed Eagle Feasibility Study	Centre for Ecology and Hydrology	£1,248
SCM of fish in standing waters	Centre for Ecology and Hydrology	£38,541
Site Condition Monitoring: for Standing Waters – Phase 1: Method development and testing	Centre for Ecology and Hydrology	£49,674
NVC survey, Mid Argyll Woodlands – final installment	CES	£1,839
F02LJ08 – NVC: 12 FIFE SSSIs (OPTION A)	CES	£3,243
Bio-Monitoring Tools for Assessing Atmospheric Nitrogen Deposition – to evaluate the effects of airborne nitrogen pollutants on designated sites across the UK	Clare Whitfield, JNCC	£10,000
Equipment, Kintyre goose scheme	Cochranes of Oxford Ltd.	£1,074
Cairngorms National Park: Natural Heritage Trends: Fens & Lowland Bogs	Colin Wells	£1,600
Safeguarding Natura 2000 Rivers in the UK – Rivers LIFE Project. Ind Project – Relationship between freshwater pearl mussel and salmonids	Contract let by EN to University of Aberdeen. SNH pay contribution to EN	£8,000
Validation of the national peregrine survey	contribution to BTO	£7,000
LIFE nature project Socio-Economic Appraisal: An initial Scoping Exercise	Contribution to Highland Birchwoods	£2,073
Terrain sensitivity on high plateaux in the Scottish Highlands	contribution to St Andrews	£2,500
Freshwater Pearl Mussel Surveys – River Tay	Cosgrove and Hastie	£10,865
Freshwater Pearl Mussel Surveys – River Naver/Mallert, River Moriston, River Oykel and River Harris	Cosgrove and Hastie	£40,080
GB Day Visit Survey	Countryside Agency	£1,000
Remote sensing of SSSI habitats to speed condition monitoring assessments	Cranfield University	£4,725
TIBRE project	Crop Tech Associates & Forestry Commission	£9,432
Hebridean Mink Project	CSL	£366,000
F02LJ15 – NVC: 36 BORDERS SSSIs	D H Ecological Consultants	£2,177
F03LJ01 – SCM: BORDERS FENS AND GRASSLANDS	D H Ecological Consultants	£9,675
SCM: Vascular plants	D H Ecological Consultants	£1,180
Cairngorms National Park: Natural Heritage Trends: Invertebrates	David Barbour	£490
New Forest Burnet Moth monitoring	David Barbour	£2,668
Otters River Dee	David Carrs CEH	£2,940
TP: BIOSS Stats Call-off	David Elston	£569
SCM: Vascular plants	David Rae	£6,800
Survey of Salix myrsinites at Inchnadamp NNR	David Shaw	£930
SNH's Environmental Impact Assessment EIA Handbook, for internal use and external partners	David Tyldesley & Assoc	£705
CS2000	DEFRA	£7,000

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Tranquil areas mapping	Dept for Transport & Ordnance Survey	£5,680
Survey and monitoring of goose feeding and usage in areas around Loch Ken SPA	DH Ecological Consultancy	£3,855
Distribution of Barnacle Geese within the Solway Firth for the Barnacle Goose Management Scheme	DH Ecological Consultancy	£8,252
Small local research projects – Mingulay SCM	Donald B Macleod	£1,250
Cairngorms National Park: Natural Heritage Trends: Lichens	Dr Alan Fryday	£2,000
AREA – BAVELAW MARSH BRYOPHYTES SURVEY	Dr David Chamberlain	£400
Craneflies on SSSI in southern Scotland	Dr M. Drake	£3,010
Hydrological study of the Red Moss of Netherley SSSI	Dr Peter Hulme	£3,750
Cairngorms National Park: Natural Heritage Trends: Mammals	Dr Philip Ratcliffe	£2,000
Experimental enclosures of Irish Ladies Tresses	Dr R. Gulliver	£12,096
SCM: Otter Survey of Scotland	Dr Robert Strachan	£17,256
Scottish Paths Record	DSM Geodata Ltd	£4,201
NSA Pilot Management Strategies – Pilot Implementation Dumfries & Galloway	Dumfries & Galloway Council	£15,521
Shoreline Management Plan	Dumfries & Galloway Council	£25,000
Sustainable Visitors Management System	Duncan Bryden	£10,600
F03LJ05 – SCM: FIFE & BORDERS VASCULAR PLANTS	E Lavery	£4,385
Business and Biodiversity	Earthwatch	£14,000
SCM: Mapping colonies of the marsh fritillary in Argyll and the Argyll islands	Ecological Research Associates	£1,175
National Lamprey Survey	Ecological Research Associates	£54,561
National Vegetation Classification Surveys of Fair Isle, Tingon and Ronas Hill-North Roe (part of) SSSIs/cSACs.	Ecological Research Associates	£1,280
F03LJ02 – SCM – FIFE, FALKIRK, LOTHIAN FENS & GRASSLANDS	Ecotest	£3,000
F02LJ08 – NVC: 12 FIFE SSSIs (OPTION B)	Ecotest	£3,150
F03LJ03 – NVC: 9 NATURA SITES	Ecotest	£6,375
Review of approaches to species management outside Scotland for selected species	Ecotext	£12,190
Tulostoma Niveum survey on Craig Leek SSSI	Elizabeth Holden	£1,112
SCM: Vascular plants	Elizabeth Lavery	£1,345
Site Condition Monitoring research project	Elizabeth Pryor	£1,700
SCM: Beetles	EMS	£7,867
SCM: Water beetles	EMS	£8,460
Rum Habitat restoration – Year 2, Beetles	EMS	£726
Rum Habitat restoration – Year 2, Spiders	EMS	£726
Characterisation of the hydrological buffer zones at the margins of designated lowland raised bogs	English Nature	£10,000
SNH contribution to EU Life Rivers project	English Nature	£18,532
Climate Change Regional Impacts (MONARCH 2)	English Nature	£20,000
The Role of Nature Conservation in Mitigating the effects of climate change PhD	English Nature	£1,632
SCM: Saproxyllic beetles	Entotax consultants UK	£5,050
SCM: Inverts – Survey of notified saproxyllic beetle sites in southern Scotland	Entotax Consultants UK	£5,295
Upland Breeding Bird Survey of Glen App Galloway Moors SSSI (pSPA) and the North Lowther Uplands SSSI (pSPA)	Environment Management Research Ltd	£22,764
Survey of SPA Interest at Castle & Hightae Lochs	Environment Services Ltd	£3,311
Jobs and the Natural Heritage	Environmental Resources Management	£11,750
Highland Shellfish Management Organisation – Environmental Resource Assessment	Envision Mapping Ltd	£17,625
Islay crough fieldwork and writeup	Eric Bignal	£350
Grab sample analysis: Moray Forth cSAC	ERT (Scotland) Ltd	£3,011
SCM: Berwickshire and North Northumberland coast (BNNC) littoral and sublittoral caves 2003	ERT (Scotland) Ltd	£24,960
SCM: Survey of marine rocky environments and lagoons in Papa Stour cSAC and the Vadills Lagoon cSAC	ERT (Scotland) Ltd	£43,769
Biotope mapping and survey of the Treshnish Isles cSAC	ERT (Scotland) Ltd	£63,450
Analysis of hydrological data to inform management process on Flanders Moss NNR/SSSI/cSAC	Ewan Associates	£6,125
Marine data and information management – improving access to marine environmental information (continuation year 2). Marine Recorder scoping 2003	Exegesis SDM Ltd	£11,544
F03LJ12 – AREA – WATER VOLE SURVEY FALKIRK	Falkirk Council	£3,000
AREA – SKINFLATS LANDOWNER CONSULTATION	FEF	£705
Effects of heather beetle on Islay – year 2	Fiona Mcgilvery	£1,539
SCM of fish in running waters	Fish Conservation Trust	£2,500

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TP: Fish Count Data	Fisherires Research Services	£16,125
F03LJ15 – WEST LOTHIAN FOREST HABITAT NETWORK	Forest Research	£8,520
Setting up of monitoring sites – Knapdale	Forest Research	£6,190
Identification of Priority Woodlands for Red Squirrel Conservation	Forest Research	£27,895
Updating woodland inventories (new project)	Forestry Commission	£3,000
Salmon and lamprey survey: rivers Teith, Forth & Allan	Forth Fisheries Foundation	£5,000
River and brook lamprey monitoring of the Endrick Water cSAC/SSSI	Forth Fisheries foundation	£3,640
Cairngorms National Park: Natural Heritage Trends: Amphibians and reptile	Frank Bowles	£1,000
Cockle survey – Firth of Forth	FRS Marine Lab	£15,000
River Spey Project Officer	Fwag, Glasgow Caledonian University	£24,317
Protective clothing, Kintyre goose scheme	Fyne Tackle	£145
Continuation of the Integrated rural development in Southern Uplands – pilot project	Galloway Fisheries Trust	£3,930
Farmland Birds on Lowland Scottish Farmland	Game Conservancy Trust	£7,500
The productivity of breeding capercaillie at sites across their Scottish range	Game Conservancy Trust	£23,500
Geomorphological survey and inventory of Cairngorms proposed World Heritage Site: development and implementation of a GIS database	Gardline Infotech Ltd	£1,552
Coastal Zone Management – Managed realignment of coasts	GeoData Institute	£720
Long distance route user surveys: Developing and piloting of survey methodology	George Street Research	£3,055
Coastal Zone Management – Assessment of the rates and causes of change in Scotland's beaches and dunes	Glasgow University	£2,500
Bryum monitoring	Gordon Rothero	£300
Rum Bryophytes survey	Gordon Rothero	£1,874
Cairngorms National Park: Natural Heritage Trends: Bryophytes	Gordon Rothero	£2,080
Species Dossiers for Pallavicinia lyellii and Leiocolea rutheana	Gordon Rothero	£1,135
SCM: Bryophytes	Gordon Rothero	£5,636
Census of breeding gulls Tip of Corsemaul and Tom Mor	GSR Photographic	£1,524
SCM: Surveys of marine sedimentary environments in the Sound of Arisaig cSAC, Loch Moidart & Shiel Woods cSAC and Kenra Bay & Moss SSSI	Heriot Watt University	£26,006
Economic Benefits of tourism niche markets in Scotland	Highlands and Islands Enterprise	£15,000
HIPP Forestry	Highland Birchwoods	£25,000
NSA Pilot Management Strategies – Pilot Implementation – Wester Ross	Highland Council	£5,000
Highland Wellbeing Alliance (Community Planning)	Highland Council	£9,280
Sustainability Officer	Highland Council	£12,770
LEADER	Highland Council	£16,000
F02LJ01 – LOTHIAN – ALIEN PLANT SURVEY	Highland Ecology	£6,400
Highland Shellfish Management Organisation – Sector Development Officers	Highland Shellfish Management Organisation	£3,000
National Eagle census	Highland Wildlife Foundation	£3,500
Arran Phase 3 Contribution to Highlands & Islands Transitional Programme administration Order No. 3075	Highlands and Islands Partnership programme	£2,358
NVC survey, Coll	Hutcheon Brothers	£17,185
Site Condition Monitoring of Coastal Habitats	Hutcheon Brothers	£13,229
F03LJ13 – AREA – IOM ORNITHOLOGICAL RECORDS	IMBOT	£300
Rum landscape analysis	J Swailes	£1,888
Costs and benefits of Natura	Jacobs GIBB Ltd	£17,625
Data management 7: GIS data compilation for Tayside & Clackmannanshire (phase 3)	Janine Morris	£7,195
North Harris NVC	Janine Morris	£7,926
F03LJ16 – NVC: FIRTH OF FORTH SPAs/SSSIs	Janine Morris	£38,266
Argyll Lepidoptera 1 (final installment)	Jessie MacKay	£1,480
Orkney Hen Harrier Scheme – monitoring responses of passerine birds to unharvested winter crops	Jim Williams	£2,375
Development of Sanday machair grassland natural care scheme	John Crossley	£6,674
Goose counts: Lismore	John Raymond	£700
Survey of Breeding Hen Harriers – Arran Moors	John Rhead	£8,000
Raptor consultancy	Jon Hardey	£450
Census of breeding gulls Tip of Corsemaul and Tom Mor	Jon Hardey	£2,566
Survey of Breeding Hen Harriers – Aberdeenshire & Moray including Ladder Hills	Jon Hardey	£11,342
East Sanday coast SSSI – Wintering Waders	Julia Robinson-Dean	£2,673
Forest Habitat Network – Upland Ashwoods in Western Southern Uplands	Julie Gardiner	£7,640
Design in Landscape Character Assessments	Julie Martin Associates	£9,988
Overview of Scotland's national programme of Landscape Character Assessment	Julie Martin Associates	£17,797

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Review of research on the effect of recreational disturbance on wildlife	Just Ecology	£10,011
Swona Eyebrights survey	K Butler	£341
Are beavers a keystone species within streams in Northern Britain	Kevin Jones	£1,000
Baseline study of greenspace for communities	Land Use Consultants	£11,689
A review of development pressures and patterns in proposed national parks areas and selected National Scenic Areas	Land Use Consultants	£15,969
Track Constuction: A Best Practice Guide	Land Use Consultants	£16,027
Greenspace and quality of life – making the links	Land Use Consultants	£25,449
Landscape Capacity Studies for Windfarm Development in Ayrshire, Lanarkshire, Inverclyde & Renfrewshire	Land Use Consultants	£27,317
Historic Maps	Landmark Information Group	£14,700
Sustainable Schools Project	Learning & Teaching Scotland	£5,000
Survey of the structure and composition of riparian woodlands – Knapdale	Liz Brandon-Jones (Quadrat)	£7,360
Cairngorms National Park: Natural Heritage Trends: Fungi	Liz Holden	£1,800
Compilation of working database to safeguard fungal sites	Liz Holden	£2,594
SCM: Fungi	Liz Holden	£2,922
Sunart area juvenile salmonid survey	Lochaber Fisheries Trust	£1,500
Uist Wader Project – Preparation of bid for LIFE nature funding	Logical Cobwebs Ltd	£2,233
Uist Wader Project – Preparation of bid for LIFE nature funding – Analysis of resource requirements	Logical Cobwebs Ltd	£8,613
Rhodi Survey – River Kerry	Lorna Brown	£850
F02LJ05 – BORDERS – SCM OF 10 WOODLANDS	M Findlay	£1,899
Landscape Capacity Studies for Windfarm Development in East & North Highland and Moray	Macaulay Land Use Research Institute	£8,300
Modelling rural investment options for Scotland	Macaulay Land Use Research Institute	£5,640
Conservation assessment of freshwater lakes to inform Water Directive Framework processes	Margaret Palmer	£2,100
Marine Climate (MARCLIM)	Marine Biological Association	£40,000
SCM: Flies in SSSI's – b	Martin Drake 12890	£930
Upland footpath management advice	Martin McCrorie & Conserve	£4,867
Restoration of species rich grassland in the Borders	McBride Habitats	£5,533
NVC Natura mapping of Inverpolly SSSI/SAC	McConnell Associates	£14,071
AREA – MORTON LOCHS RAINFALL DATA	Meteorological Office	£375
Water level monitoring – Eday and Rousay	Mike Cockram, David Hegarty	£600
Badger consultancy	Mike Harris	£1,147
Assessing the conservation value of soil and its relation with designated features for development of soil monitoring: a feasibility study Phase 1	Macaulay Land Use Research Institute	£5,000
Soils data GIS	Macaulay Land Use Research Institute	£8,430
Rum Habitat restoration – Year 3, MLURI	Macaulay Land Use Research Institute	£65,686
Prediction of fire behaviour and impact on heather moorland	MoA with Edinburgh Uni	£2,484
Chasmophytic vegetation Survey	MoA with English Nature	£13,184
The national survey of golden eagles 2003	MoA with RSPB 10041	£20,000
Contribution to Maerl PhD: Distribution, biology and management of maerl	MoA with University Marine Biological Station	£10,000
LIFE III Peatlands Project – protective clothing	Mountain Supplies	£172
Priority Lower Plants in Scotland: Compilation of Species Dossiers – Stoneworts	Mr N. Stewart	£9,680
Continuation of Habitat Condition Survey of Cairnmore and Merrick Kells SSSI, cSAC and NNR areas	MRCS	£23,470
SCM: Lichens	Mrs A. Coppins	£10,535
Rum Manx Shearwater census correction factor	Murray Consultancy	£1,600
F02LJ09 – PHASE 1 SURVEY OF EAST FIFIE	N Dadds	£38,400
SCM: Vegetation survey of unmapped features on upland designated sites	Naiad Environmental Consultancy	£13,383
Environmental Indicators	Natural Capital	£3,995
The taxonomical status of <i>Didymodon mamillosus</i>	Natural History Museum	£992
F03LJ10 – BNNC MARINE PROJECT OFFICER	NCC	£6,667
Projects and Partnership Register	Newall & Budge	£11,750
Newsline photographer for Bogs launch	Newsline	£299
NNR National Baseline Visitors Survey	NFO System Three	£30,173
Scottish Recreation Survey 2003	NFO System Three	£72,262
SCM: Bryophytes	Nick Hodgetts	£3,720
Mute swan ringing – Orkney	Orkney Swan Study Group	£1,000

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Orkney electrofishing & habitat survey	Orkney Trout Fishing Association	£3,165
Goose counts: Moine Mhor and Tayvallich	Pat Batty	£350
Survey of Breeding Hen Harriers – Isle of Mull	Paul Haworth	£7,743
Survey of Breeding Hen Harriers – Caithness and Sutherland Peatlands	Paul Haworth	£9,811
Uist Wader Project – Design of a trial translocation of hedgehogs from the Uists and Benbecula	People's Trust for Endangered Species	£760
Loch Torridon – Phase 2	Peter Davidson	£2,553
SCM of dragonfly qualifying notified features on SSSI in Scotland	Peter Elford	£667
Isle of Coll – Goose Management & Monitoring	Peter G Isaacson	£877
Review of NSA pilot management strategies	Peter Scott	£13,201
Recreation and Land management	Peter Scott Planning	£20,949
National Vegetation Classification survey of SSSI in Grampian	Philip James	£2,855
Cullins pSPA Vegetation Survey & Impact Assessment	Philip James	£11,001
Investigation into the impacts of the fish farm deposition on maerl beds in Scotland	Posford Haskoning Ltd	£30,494
Biotope mapping and survey of Mousa cSAC	Posford Haskoning Ltd	£51,473
Review of curtilage	Prof William M Gordon	£2,050
Biodiversity Marketing & integrated farm business development	Progressive Partnership	£17,948
Firth of Clyde Forum Salary & Project Costs	Project is led by SNH	£4,234
CVW LIFE Project Officer – Salary, telephone, running costs etc	Project is led by SNH	£9,429
North Harris Grazing Levels	Quadrat-Scotland Nikki Dayton	£22,000
Breeding bird species info for Muirkirk	R H Hogg	£120
Conservation genetics studentship	RBG	£1,500
Ex situ conservation of bryophytes, extended	RBG	£5,000
SCM: Molluscs	Richard Marriott	£357
TP: Marine Audit	River Designs	£1,265
Knapdale Lochs SPA Black-throated Diver Survey	Roger Broad	£1,500
Supply of Osprey Data	Roy Dennis	£480
Bird surveys at Forest of Clunie	RSPB	£5,024
Monitoring of Scotland's sea eagle population	RSPB	£24,320
Species reintroduction (red kites)	RSPB	£30,122
SCM: Inverts – Survey of beetles on Turnberry Dunes SSSI and Western Gables SSSI	SAC	£3,500
Core counter network equipment	Schmidt Electronics	£1,220
Local Heritage Initiative	Scottish Adult Learning Partnership	£146,300
Management and Monitoring of Ben Heagsarnich (Cam Chreag)	Scottish Agricultural College	£7,374
The Creation of Species Rich Grassland – 2003/2005	Scottish Agricultural College	£10,575
Project officer in water resource management	Scottish Agricultural College	£15,000
Scottish Coastal Forum Project Officer	Scottish Executive	£10,000
Survey of Breeding Hen Harriers – Muirkirk, Glen App and Clyde Muirshiel	Scottish Raptor Study Group	£17,295
PhD Studentship: Investigation of monitoring options for harbour seals Special Areas of conservation	Sea Mammal Research Unit, University of St Andrews	£132,500
SEPA – Strategic Development Impacts	SEPA	£15,000
Implementation of sustainable development methods	SEPA	£17,000
Vessel charter for seabed survey of Torridon area	Shieldaig Shellfish Ltd	£2,644
Acoustic Detection Device Trials	SMRU	£500
Salmon LIFE Bid – Preparation of Bid	SNH Contribution to Association of Salmon Fishery Boards	£20,000
Survey of Wintering Seabirds in Scottish Coastal Waters	SNH Contribution to JNCC	£29,000
Survey of Breeding Hen Harriers – Orkney Mainland Moors	SNH contribution to RSPB	£3,150
Survey of Breeding Hen Harriers – Langholm/Newcastleon Hills	SNH contribution to the Game Conservancy Trust	£6,228
SNIFFER – Urban Environments	SNIFFER	£4,255
Annual subscription to SNIFFER	SNIFFER	£12,925
Difuse pollution audits for Lunan Lochs	Soil & Water Scotland	£12,775
Clyde Valley LEADER+	South Lanarkshire Council	£50,000
Ranunculus control in the River Spey cSAC	Spey Research Trust	£3,000
Continue Monitoring of Whooper Swan at Black Cart Order No. 1991	Starling Learning	£5,500
SCM: Dragonfly features	Stephen Hewitt	£1,015
Tangy Loch macrophyte and nutrients research	Sue Bell	£2,725
Monitoring of bearded tits at Inner Tay Estuary SSSI	Tay Ringing Group	£392
Urban greenspace Project – Land use mapping & corporate license	The Geoinformation Group	£5,130

84. Research and Technical Support Strategy Projects Funded by SNH during the year to 31 March 2004
(continued)

<i>Project Details</i>		<i>Budget</i>
<i>Project Title</i>	<i>Contractor</i>	<i>Amount Paid During 2003/04</i>
Sunart cSAC Project Officer	The Highland Council	£11,407
Lochs Duich, Long & Alsh cSAC Project Officer	The Highland Council	£29,222
Rescue of dinosaur footprints from a Staffin beach	The Hunterian Museum	£3,500
Rannoch cattle grazing experiment	The Rannoch Trust	£1,755
NVC surveys of cSACs: Caenlochan, Dunn Moss & Forest of Alyth	Theo Loizou	£16,070
SCM: Vascular plants	Theo Loizou	£15,412
Shetland Ferret eradication feasibility study	Trapping: McBurnie, Johnson, Blance, Syme, Blackshaw Traps: A Fenn & Co Transport: Hebrides Haulage	£26,847
LUPG Project	UKWAS, Martin Price, Just Joe Catering	£939
Are beavers a keystone species within streams in Northern Britain	Uni Stirling, NERC/CASE studentship	£993
Macrophyte survey of Loch of Boardhouse	University Glasgow	£4,370
Investigation of benefits of Inshore Nursery Grounds for Commercial fish (contribution to PhD project)	University Marine Biological Station	£12,000
Support for sustainable inshore fishery management initiatives: The environmental impact of the Nephrops creel fishery	University Marine Biological Station	£10,000
Conservation of the native oyster <i>Ostrea edulis</i> in Scotland	University Marine Biological Station	£25,000
Review of recent liability case law	University of Aberdeen	£5,014
Causes of population change in peregrines of northern Scotland: PhD study	University of Aberdeen	£2,000
The use of heated bat boxes as alternative roosts for excluded nursery colonies	University of Aberdeen	£10,562
Rum earthworm survey	University of Central Lancashire	£750
Building Access Education and the SOAC links into formal education	University of Edinburgh	£3,600
The lifecycle and behaviour of the BAP species <i>Potamogeton rutilus</i> (Shetland Pondweed)	University of Glasgow IBLS-DEED	£10,000
Visualisation best practice review	University of Newcastle	£5,600
Assessment of landscape/seascape impacts of offshore wind farms	University of Newcastle	£16,800
Landscape capacity for windfarms	University of Newcastle	£6,099
Survey of harbour seal distribution in Western Isles	University of St Andrews	£10,000
Hillphones	Various	£5,125
Young Peoples Art Project	VARIOUS	£6,627
SCM: Vascular plants	Viv Halcrow	£9,258
SCM: Dumfries and Galloway (2003/04 and 2004/05)	Wildlife Partnerships and Highland Ecology	£3,740
Survey of Breeding Hen Harriers – South East Sutherland	William Taylor	£7,660
Data management 6: typing of geographies for Perth and Forfar	Woodwright Communications Scotland	£764
Review of the Scottish National Goose Policy Framework: modelling changes in the Arctic	Zoological Society of London	£49,653
Breeding Goose Populations that Winter in Scotland		
	Total	£3,975,609