

Research and Technical Support Strategy

89. Research and Technical Support Strategy Projects Funded by SNH during the year to 31 March 2005

Project Details		Budget
Project Title	Contractor	Amount Paid During 2004/05
LUPG project	Forestry Commission, Countryside Agency, JNCC, BT & UKWAS	£30,567
Farmland Birds on Lowland Scottish Farmland	Game Conservancy Trust	£7,500
TIBRE project	Progressive Partnership, NFUS, Newsquest, SAC, CropTech Assoc, Entec & Buchanan Arms Hotel	£48,625
Restoration of species rich grassland in the Borders	McBride Habitats	£10,954
Landscape Advice to Areas (Year 3 of 3)	A Grant, S Bell, J Swailes, D Tyldesley, Horner & MacLennan	£9,015
Landscape Advice to Areas (new contract)	A Grant, D Tyldesley, H & M, Envision, S Bell, M Wood, LDA, J Martin, LUC, C Anderson, Craignish Design	£16,562
An Assessment of the Environmental Impacts of Developments that were subject to EIA; 1st phase – A Review of EIA for Aquaculture Developments	BMT Cordah, Natural Capital	£11,924
Lowland Habitat Networks	Forest Research, Forestry Commission, Game Conservancy Trust	£20,296
Track Construction: A Best Practice Guide	Land Use Consultants	£5,343
Scottish Recreation Survey	TNS (previously NFO)	£75,788
The Creation of Species Rich Grassland – 2003/2005	Scottish Agricultural College	£18,800
Assessment of landscape/seascape impacts of offshore wind farms	Univ of Newcastle	£7,125
Guidance on visual impacts of windfarms	Horner & MacLennan	£4,259
SNH's Environmental Impact Assessment EIA Handbook, for internal use and external partners	D Tyldesley	£11,638
Core Counter Network	Battery Force, Alasdair Chambers	£1,870
Long distance route user surveys: Developing and piloting of survey methodology	George Street Research	£12,259
Upland Footpath Management Advice	Conserve & M McCrorie	£4,240
Improving Advice on Practical Habitat Management	Scottish Agricultural College	£14,887
Project Officer in Water Resource Management	Scottish Agricultural College	£23,204
Testing condition assessment methods for species-rich hedges	Catherine Bickmore Associates	£2,420
Preparing a Habitat Network Strategy for Scotland	Forestry Commission	£20,000
Landscape change scenarios – description & visualisation	Land Use Consultants	£20,894
Contract to provide Landscape Advice	Carol Anderson	£13,390
Implications of undergrounding high voltage electricity transmission lines	The Highland Council	£5,600
Moray Development Plan	Moray Council	£5,000
Sustainable patterns of new housing development	Land Use Consultants	£19,180
Strategic Farm/Estate Access Planning	Asken Ltd	£16,447
Renewal of SNH's subscription for 6 reference sets of the Scottish Planning Encyclopedia	Thomson Subscriptions (Sweet & Maxwell Ltd)	£2,370
Building Access Education and the SOAC links into Formal Education	University of Edinburgh	£14,100
D/deaf attitudes to the countryside	Edinburgh College of Art	£14,395
Characterising urban greenspace and its public benefit.	Glasgow & the Clyde Valley Structure Plan Joint Committee	£30,000
Teachers' approaches and attitudes to engaging with the natural heritage through the curriculum	University of Edinburgh	£6,000
The value of Information and Communication Technology in natural heritage interpretation.	Imagemakers	£12,161
PROMOTING KEY MESSAGES ABOUT THE NATURAL HERITAGE	George St. Research Ltd	£22,178
Greenspace and quality of life – demonstrating the links.	MoA bet. SNH, CS, GS, SCDC	£12,600
Advertising PhD studentship	£2,255 J.V'd to Recruitment	£2,255
Rannoch cattle grazing experiment	Rannoch Trust	£1,755
Scottish Coastal Forum Project Officer	Scottish Executive	£10,000
Assessment of the rates and causes of change in Scotland's beaches and dunes. Phase 2	University of Aberdeen	£6,600
Terrain sensitivity on high plateaux in the Scottish Highlands	University of St Andrews	£3,500
SCM: Lichens	Mrs A M Coppins	£61,488
SCM: Vascular plants	David Rae	£3,465
SCM: Vascular plants	Elizabeth Lavery	£2,718
SCM: Vascular plants	D H Ecological Consultants	£5,791
SCM: Vascular plants	Theo Loizou	£4,598
SCM: Vascular plants	Viv Halcrow	£9,400

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(continued)

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SCM: Vascular plants	Philip James	£2,212
Repair, maintenance and training required for Intelisys loggers at Knapdale	InteliSYS	£411
Threatened bryophyte database	CEH	£7,000
Broadscale habitat mapping – Biotope mapping and survey of Moray Firth cSAC	Envision Mapping Ltd	£64,437
Broadscale habitat mapping – Biotope mapping and survey of Sullom Voe cSAC	Centre for Marine Biodiversity and Biotechnology	£57,160
Broadscale habitat mapping – West of Hebrides	Queen's University of Belfast	£47,500
Marine Climate (MARCLIM)	Marine Biological Association	£40,000
SCM Rivers and streams (River Tweed)	Ardeola	£12,455
SCM Rivers and streams (River Tweed) – River habitat survey	SEPA	£7,545
Provision of freshwater pearl mussel advice 2003/04	University of Aberdeen	£2,578
Deer impact surveys Strathglass	Brendan O'Hanrahan	£14,838
Deer impact surveys Strathglass	Central Environmental Surveys	£9,095
Prediction of fire behaviour and impact on heather moorland	University of Edinburgh	£2,440
Common Standards Monitoring for Birds: SCM of breeding bird aggregations on the Caithness & Sutherland Peatlands SSSI, SPA & Ramsar sites	Just Ecology	£26,079
Habitat use and range management on priority areas for hen harriers	CEH	£47,500
SCM: Bryophytes	Nick Hodgetts	£7,950
SCM: Bryophytes	Gordon Rothero	£6,038
SCM: Bryophytes	Nick Hodgetts	£2,000
SCM: Bryophytes	Dr A. Headley	£9,804
SCM: Bryophytes	Ben & Alison Averis	£615
SCM: Bryophytes	W.S. Atkins	£5,954
SCM: Bryophytes	The Natural History Museum	£2,631
SCM: Invertebrate Notified Features: Spiders	Arachne	£750
Experimental enclosures of Irish Ladies Tresses	Richard Gulliver	£12,421
Survey of the structure and composition of riparian woodlands – Knapdale	Quadrat	£1,000
Are beavers a keystone species within streams in Northern Britain	Kevin Jones	£1,000
Are beavers a keystone species within streams in Northern Britain	University of Stirling	£993
Monitoring of Scotland's sea eagle population	RSPB Scotland	£25,225
SCM: Fungi	Liz Holden	£3,645
Experimental investigation of management requirements for small cow wheat, <i>Melampyrum sylvaticum</i>	University of Aberdeen	£2,000
Support for sustainable inshore fishery management initiatives – vessel charter	Shieldaig Shellfish Ltd	£2,791
Support for sustainable inshore fishery management initiatives: The environmental impact of the Nephrops creel fishery	University of London	£10,000
Loch Torridon – Phase 2	Peter Davidson	£603
Highland Shellfish Management Organisation – Sector Development Officers	Highland Shellfish Management Organisation	£1,130
Highland Shellfish Management Organisation – Environmental Resource Assessment	Envision	£15,330
Support for sustainable inshore fishery management initiatives – Proposed methodology for seabed survey of the inner sound, Loch Torridon	University Marine Biological Station	£27,318
Support for sustainable inshore fishery management initiatives – PARTANS	Highland Council	£5,000
Support for sustainable inshore fishery management initiatives – Clyde Fisheries Development Project	Seafish Industry Authority	£7,000
Conservation of the native oyster <i>Ostrea edulis</i> in Scotland	University Marine Biological Station	£25,000
Marine SAC monitoring programmes – The littoral and sublittoral features of Loch nam Madadh, Loch an Duin & Loch Paible	Centre for Marine Biodiversity and Biotechnology	£53,856
Marine SAC monitoring programmes – The sublittoral sandbanks of the Solway Firth	Seastar Survey	£33,978
Marine SAC monitoring programmes – Survey of biogenic and rocky reefs in the Lochs Duich, Long and Alsh cSAC	EMU Ltd	£38,448
Marine SAC monitoring programmes – Survey of estuarine environments in the Dornoch Firth	BMT cordah Ltd	£36,105
Marine SAC monitoring programmes – Bottlenose Dolphin SCM in the Moray Firth cSAC	University of Aberdeen	£19,534
PhD Studentship: Investigation of monitoring options for harbour seals Special Areas of conservation	University of St Andrews	£40,000
Site Condition Monitoring: for Standing Waters – Phase 2	CEH	£229,759
National Lamprey Survey	Ecological Research Associates	£54,561
SCM of Atlantic Salmon cSACs	SFCC	£58,750
Air Pollution Information System-maintenance	SMIFFER	£2,350
Bio-Monitoring Tools for Assessing Atmospheric Nitrogen Deposition – to evaluate the effects of airborne nitrogen pollutants on designated sites across the UK	JNCC	£10,000

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(continued)

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The Role of Nature Conservation in Mitigating the effects of climate change PhD	EN	£1,670
Environmental Change Network – Cairngorms terrestrial site	CEH Monkswood	£15,000
Replacement shed for ECN Cairngorms site	B S Joinery	£1,477
Air Pollution Lead Co-ordination Network	JNCC	£4,960
Assessing the conservation value of soil and its relation with designated features: Project Phase II	MRCS	£17,155
Timing of breeding: Moorland bird study	BTO	£4,235
The productivity of breeding capercaillie at sites across their Scottish range	The Game Conservancy trust	£23,500
The National Survey of Capercaillie 2003/04	RSPB, Sandy	£17,355
Review of the Scottish National Goose Policy Framework: modelling changes in the Arctic Breeding Goose Populations that Winter in Scotland	Zoological Society of London	£54,647
Causes of population change in peregrines of northern Scotland: PhD study	University of Aberdeen	£2,000
The national survey of golden eagles 2003	RSPB, Sandy	£9,815
Analysis of the national survey of golden eagles 2004	GISolutions	£10,320
SCM: Otter Survey of Scotland	Robert Strachan	£21,256
Stipitate hydroid fungi - Ecology and management of rare pinewood mycorrhizal fungi	MLURI	£10,850
Investigation into the autecology and nutritional requirements of the distinctive mycota of "waxcap grasslands"	University of Wales	£8,250
Factors influencing lamprey distribution within SAC river systems	Napier University	£1,500
Assessment of lamprey distribution and abundance in the River Tweed cSAC/SSSI	Tweed Foundation	£22,300
River and brook lamprey monitoring of the Endrick Water cSAC/SSSI	Loch Lomond Fisheries Trust	£7,150
SCM of fish in standing waters	CEH	£24,313
SCM of fish in running waters	Galloway Fisheries Trust	£14,500
Conservation assessment of freshwater lakes to inform Water Directive Framework processes	Margaret Palmer	£1,430
Incorporation of soil biological attributes into the Scottish Soil Information and Knowledge System (SSIKS)	MLURI	£5,000
Geotourism in Scotland: Resource identification, evaluation and development. Phase 1 – The resource identification and evaluation consultation report	British Geological Survey	£13,748
Natural Heritage Value of Cultural Soils	Stirling Uni	£2,000
Impact of predatory birds on Wildlife, Moorland Forum Research PE449	University of Stirling	£29,494
Facilitation of condition assessment of upland and peatland notified features on designated sites	Central Environmental Surveys	£13,097
Condition survey of upland and peatland notified features on designated sites	Brendan O'Hanrahan	£70,250
To analyse historical data on causes of corn bunting decline	RSPB Scotland	£10,000
The influence of Management on Carbon Balance of Blanket Bog	RSPB	£5,000
Moorland Forum Policy Paper funding	SRPBA	£3,525
Scottish gannet survey	CEH	£40,125
A framework for golden eagles in relation to wind farms and other land uses.	GISolutions	£15,040
Local Biodiversity Action Plan partnerships review	Scottish Executive	£7,000
EBL survey of Scotland	University of Aberdeen	£85,249
EBL survey of Scotland	Biobest Labs Ltd	£14,509
Daubenton's bat autecology	University of Aberdeen	£10,000
Red Kite reintroduction project	RSPB Scotland	£37,365
Pine marten ecology in eastern Highland woodlands	University of Stirling	£10,000
Implementation of Red Squirrel BAP in Scotland	Mel Tonkin	£15,366
Review of the ecology, status and management of woodants	Johnathan Hughes	£2,000
Bat casework module – data entry	Aptus personnel	£2,225
Modelling natural resource responses to climate change (MONARCH) – Phase 3	EN	£15,000
Scenarios of the future – Scotland under climate change –Coasts and seas	Environmental Research Institute	£1,480
Scenarios of the future – Scotland under climate change – Forests and Woodlands – Hills and Moors	Forest Research	£4,200
Scenarios of the future – Scotland under climate change – Farmland	ADAS Consulting Ltd	£2,773
Scenarios of the future – Scotland under climate change – Settlements	Land Use Consultants	£2,056
Scenarios of the future – Scotland under climate change – Freshwaters	Scott Wilson Scotland Ltd	£4,700
Annual subscription to SNIFFER	SNIFFER	£12,925
Development of guidance on marine fisheries in European Marine Sites	MoA with CCW	£3,000
SNH contribution to the Scottish Aquaculture Research Forum	Scottish Aquaculture Research Forum	£30,000
Seal tags	University of St Andrews	£30,000
Ex situ conservation of bryophytes, extended	RBG	£10,430
Count Vertigo snails in sample from D&G	Barry Colville	£118
Development of a technique for lake habitat survey (LHS)	SNIFFER	£20,000
Authoring of a "Geological Conservation Review Statement of Site Value" and "Geological Conservation Review Site Report" at An Corran, Skye	DR Neil Clark, Hunterian Museum, Uni of Glasgow	£2,350

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(continued)

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Extracting, identifying and counting snails from 12 samples	Barry Colville	£100
Investigation into the impacts of the fish farm deposition on maerl beds in Scotland	Posford Haskoning	£20,329
Compaq mobile workstation and accessories	PC world, Scan computers	£2,831
Review of SNH Byelaw-making powers	Paul & Williamson	£26,438
Strategic Environmental Assessment	ISIP?	£20,000.00
Digitising		£17,000.00
Money vired to GiG to take forward Aerial Photography for Areas	Cambridge University	£37,000.00
A research analysis of project working and the use of project management within SNH.	PCL (UK) Ltd	£34,075
Factors influencing the condition of Loch of Stenness marine candidate Special Area of Conservation	Herriot Watt/ICIT	£14,500
Shetland Ferret Eradication Feasibility Study (extension)	Central Science Lab.	£2,935
Orkney Hen Harrier Scheme – monitoring responses of passerine birds to unharvested winter crops	Jim Williams	£3,190
East Sanday Coast SSSI – Wintering waders	Julia Robinson-Dean	£2,673
Fen, Marsh and Swamp NVC at Lochs of Spiggie & Brow SSSI and Culswick Marsh SSSI	Andrew Acton	£1,090
Survey of breeding haulout areas for common seals in Yell Sound Coast cSAC	University of St. Andrews/SMRU	£5,000
Assessing the effectiveness and impacts of Acoustic Deterrent Devices.	University of St. Andrews/SMRU	£6,100
Assessing the value and realising the potential of freshwater fisheries in Orkney.	Segal Quince, Wichsteed	£30,811
Survey & analysis of changes in the distribution of grey seals in Shetland	SMRU & others	£2,560
NVC Survey of Basin Fen, Valley Fen and Hydromorphological Mire at Glims Moss & Durkadle SSSI and Loch of Banks SSSI	John Crossley	£2,749
Water Level Board Monitoring – Mill Loch, Eday	M Cockram	£300
Water Level Board Monitoring – Mill Loch, Eday	D Hegarty	£300
Contribution to spider survey on 9 sites	SBRC	£294
Whooper swan survey	SBRC	£50
OFTA costs	OFTA	£212
Breeding Bird Assemblage Survey – SCM – order 7759	Ronnie Graham	£1,529
NW Sutherland Seagrass bed survey order 8256	Maris Ecologists	£4,449
Harbour dues for NW Sutherland seagrass bed survey proj.	The Highland Council	£50
Mark Steward T&S claim for NW Sutherland seagrass bed survey proj.	Mark Steward	£178
Angus McHattie Reimbursement of Expenses for NW Sutherland seagrass bed	Angus McHattie	£140
Baseline survey of juniper (a BAP species) and of the individual species which make up the vascular plant interest feature of Ben Hope SSSI.	Gordon Rothero	£2,947
Survey and condition assessment of all (except freshwater) qualifying biological interest features of Durness SSSI and cSAC.	Janine M Morris	£3,891
Upland grazing impact survey	Janine M Morris	£11,942
Digitising work for Ben Hope & Ben Loyal – Dougie Hardie	Douglas Hardie	£480
Collating information on "Falco Columbarius"	Ian Macpherson	£150
Analysis and mapping of impact assessments on Ben Hope and Ben Loyal – montane, dry heath, wet heath, blanket bog	Janine M Morris	£625
Environmental Project Development Scheme	Fiona Limbrey T&S	£150
Uist Wader Project	SNH led	£39,324
Mink EU LIFE 3 project	Central Science Laboratories	£350,000
Survey of wintering waders on N. Uist Machair & Islands and S. Uist Machair & Lochs SPAs	Ecology UK Ltd	£38,999
Analysis of Uist Greylag Goose Population & Distribution Data	Paul Boyer	£3,450
Site Condition Monitoring of Breeding Waders on the Lewis Peatlands SPA. Site Condition Monitoring of Breeding Red-throated divers on the Lewis Peatlands SPA	Ecology UK Ltd	£30,521
Site Condition Monitoring of breeding Merlin Falco columbarius on the Lewis Peatlands SPA	Paul Howarth	£17,225
Irish Ladies Tresses draft species action plan	Richard Gulliver	£500
Local projects – North Rona Seabirds	Poplar Diver	£5,170
Flight to Monitor storm damage in the Uists	Highland Airways	£2,823
Rum Habitat restoration – Year 4	MLURI	£4,159
Rum Beetles – year 3 of 3	Entomological Monitoring Services	£726
Rum Spiders – year 3 of 3	Entomological Monitoring Services	£726
Ben Nevis habitat survey and assessment	Ben and Alison Averis	£14,860
Coille Mhor cSAC and SSSI baseline habitat survey and assessment	Ben Averis	£3,473
Rum – Assessment of lessons learned from pioneer native woodland restoration work	Roland Stiven, Raasay Woods Ltd.	£11,205
Golden eagle range use etc	Paul Haworth,	£28,500
River Kerry Rhododendron	Lorna Brown	£850
River Kerry Rhododendron	BTCV	£3,117
Duich, Long and Alsh Project Officer	The Highland Council	£18,169

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(continued)

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Monitoring the status of the adult population of New Forest Burnet moth	Dave Barbour	£2,744
Oreoweisia torquescens survey	Nick Hodgetts Botanical Services	£300
NVC survey digitising	Central Environmental Surveys	£705
Rannoch Moor bird survey	Dr Mary Elliott	£2,700
Rum eagle pellet analysis	Paul Haworth	£940
Rum Lepidoptera cataloguing	MacKay Entomology	£2,995
Ben Nevis digitising	DSM Geodata	£1,410
Moray Firth Partnership		£32,000
NVC Habitat Survey	Neil MacKenzie	£5,753
Assessment of G.Crested Newts	Heritage Environmental Ltd	£3,686
R. Spey Project		£22,590
Part Agree (CNPA)"Delphi" Study	Cairngorms National Park Authority	£2,780
Survey of Breed. Waders on Lower R. Conon	Bozena Kaletja-Summers	£2,383
Glenmore Tourism Study		£2,000
Salmon Spawning at Kinnahaird Farm	Scottish Agricultural College	£2,074
Toothfungi responses to pathworks at North Rothiemurchus Pinewoods SSSI	Liz Holden	£759
Baseline juniper survey for management agreement negotiations at Kinveachy Forest SSSI	Alan Booth	£1,500
Hydrological study of the Red Moss of Netherley SSSI	Dr P Hulme	£5,436
Hydrological study of the Red Moss of Netherley SSSI	Dr P Hulme	£3,250
Studies of Breeding Common Gulls at tips of Corsemaul & Tom Mor	Jon Hardey	£5,600
NVC surveys of SSSIs to support SCM work	Philip James	£2,157
NVC surveys of SSSIs to support SCM work	Philip James	£4,675
BASELINE SURVEY OF BREEDING BIRD ASSEMBLAGES IN EASTERN CAIRNGORMS AND GLEN CALLATER SSSI	Jon Hardey	£4,130
Wader and Wildfowl Counts at the Ythan Estuary	Ian Patterson	£2,000
A survey of the feeding distribution of geese around the Loch of Strathbeg, Grampian	Aberdeen University	£2,523
Monitoring of the Loch of Strathbeg Goose Management Scheme	Aberdeen University	£5,995
Baseline NVC Survey of SSSIs in the Grampian Area.	CES	£4,283
Cairngorm Social and economic impact survey	Penny Cousins	£3,000
Badger survey call off contract	Mike Harris	£150
Badger consultant for survey at Burnthillock, Rora	Isobel Davidson	£705
Stephanie Peay advice on potential eradication of Crayfish in North Esk Catchment	Stephanie Peay	£262
Capital Diagnostics testing of bats		£93
River Dee Geomorphological Study, Cheltenham and Gloucester University	University of Gloucestershire	£5,993
Fungi survey Craig Leek SSSI	Elizabeth Holden	£1,102
Year 2 of 5 year subscription to XYZ digital mapping	XYZ Digital	£9,895
Management & Monitoring Project Ben Heasgarnich	Scottish Agricultural College	£2,418
Management & Monitoring Project Ben Heasgarnich	Scottish Agricultural College	£2,418
Management & Monitoring Project Ben Heasgarnich	Scottish Agricultural College	£2,418
Management & Monitoring Project Ben Heasgarnich	Scottish Agricultural College	£2,418
Black Throated diver survey	RSPB	£1,880
Investigation of heather recovery following heather beetle outbreaks on Islay and Jura	Fiona Rout	£2,246
NVC Survey of Ben Heasgarnich cSAC, Stirlingshire	Quadrat Scotland	£5,875
Isle of Coll – Goose Management and Monitoring	Peter Isaacson	£623
Analysis of hydrological data to inform management process on Flanders Moss NNR/SSI/SAC	Ewan Group plc	£3,549
Land Management Impact Survey Part of North End of Bute	Quadrat	£1,466
Survey and Data Collection to Support the Site Condition Monitoring of 19 Wetland Sites of Special Scientific Interest in Argyll and Stirling	Julie Gardiner	£8,700
Moorland Breeding Bird Surveys on Tiree and Coll SPAs.	Janet Hunter	£2,392
Marine SAC Project Officers	Argyll and Bute Council	£44,694
Monitoring at Bonawe Oakwood	Chris Langton	£500
SMS and SCM project	Liz Pryor	£1,461
Endrick Aerial Photography	Bluesky International Ltd	£2,450
Eilean Mor boat hire	Mike Murray	£200
Corr Eilean Mink Control	A Campbell	£3,108
Survey/Transplaning to Address Threat to Rare Moss	Gordon Rothero	£2,847
3D Orthorectified Georeferenced Aerial Photographs	Bluesky International Ltd	£1,437
Walkie Talkies – Paid by Visa	Maplin	£37
River Endrick Gravel Extraction Project	University of Gloucestershire	£1,101
Carry out 6 goose counts	Pat Batty	£450
Carry out 9 counts of geese on Lismore	John Raymond	£700

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(continued)

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Geko 201 GPS and PC Interface Cable	GPS4less.co.uk	£139
Baseline Otter survey at Glasdrum Wood and Glen Nant NNRS	Ecological Research Associates	£2,811
Carry out Research into Mink Control	Kenneth Auld	£1,715
Carry our Research into the distribution of vulnerable bird populations in Argyll, Bute and selected areas of West Highland in relation to mink predation	Paul Daw	£1,391
Carry out 4 Goose counts on Luing	Anja Lamont	£200
Carry out one Aerial Survey Flight for Barnacle Geese at Treshnish Isles SSSI	Murray Survey	£3,280
Survey of Marsh Earwort	Gordon Rothero	£1,950
Water quality monitoring at Loch Leven	Centre for Ecology and Hydrology	£3,000
SCM: Tayside & Clackmannshire local contracts	Baxter Cooper and Caledonian Ecology	£3,855
NVC Surveys of cSACs in Tayside & Clackmannshire	Dr. Theo Loizou	£30,680
Monitoring of bearded tits at Inner Tay Estuary SSSI	Tay Ringing Group	£786
Salmon & lamprey habitat survey in River Tay cSAC	University of Stirling	£2,600
Species Recording Project	Janine M Morris	£6,984
Slender Naiad monitoring to assess restoration of Lunan lochs following implementation of remedial measures	University of Glasgow	£16,000
Diffuse pollution audits – Angus Lochs Catchment Management Project	British Geological Survey	£532
Tufted duck predation study for Loch Leven	Alan Lauder	£1,500
NVC survey of Dun's Dish SSSI	Aspen Botanical Advisory Services	£600
Macrophyte survey of Laird's Loch	ECOS Countryside Services	£980
Firth of Clyde Forum: Support core work , project officer and core projects		£7,396
Clyde Valley Woodlands LIFE Project		£13,905
Arran Access Project		£133,703
LEADER + Clyde Valley Project O/Nos 6208 & 6891	South Lanarkshire Council	£40,000
A study of the availability and density of hen harrier prey on Muirkirk & North Lowther Uplands, Arran Moors and Glen App & Galloway Moors SPAs O/Nos. 7127 & 7758	Lanarkshire Enterprises Ltd	
Water Vole survey to underpin LBAPs in Strathclyde & Ayrshire. O/No. 8735	The Game Conservancy Trust and Capreolus Wildlife Consultancy	£18,983
Species and habitat surveys to underpin the possible renotification of Portencross Coast SSSI. O/Nos. 7623 & 8323	Cresswell Associates	£3,500
Monitoring for the Lendalfoot Grasslands Scheme. O/No. 8417	Central Environmental Surveys and DH Ecological Consultancy	£4,129
Portencross bird survey O/No. 10889	Central Environmental Surveys	£6,128
Arran Fossils O/No. 10694	Starling Learning	£2,926
Digital Aerial Pthography for Renfrew Heights O/No. 7801	University of Glasgow	£1,011
Distribution and habitat use by Whooper Swans of Black Cart Floodplain O/No. 7466	Bluesky International Ltd	£4,285
Digital Aerial Photography North Ayrshire O/No. 10208	Starling Learning	£3,000
Misc. expenditure	Bluesky International Ltd	£6,404
Alien plant species	Lochside House Hotel	£948
SCM: of Fen, marsh and swamp and grassland features on 20 SSSIs in Fife, Falkirk and the Lothians	HIGHLAND ECOLOGY	£2,202
NVC Survey of Moorfoot Hills SAC, Borders	ECOSTEP	£3,000
NVC Survey of 12 SSSIs in the Lothians	Quadrat Scotland	£4,782
NVC Survey of Tweedmuir Hills SSSI, Borders	Central Environmental Surveys	£12,808
NVC Survey of 20 SSSIs in the Borders	Central Environmental Surveys	£2,838
Bean Geese	Central Environmental Surveys	£7,045
Damage survey of Traprain Law	ANGUS MCIVER	£2,082
Assessing the effects of management, including grazing, on Blawhorn Moss cSAC/SSSI/NNR raised mire.	Ben and Alison Averis	£700
Site Condition Monitoring of breeding golden plover (<i>Pluvialis apricaria</i>) on Moorfoot Hills SSSI, Borders	MCBRIDE HABITATS	£1,827
Orthorectified Aerial Photographs	D H ECOLOGICAL CONSULTANCY	£1,845
Beetle Survey Earlsall Muir & Tentsmuir SSSIs		£2,372
Isel of May Ornthological records	SHONA BLAKE	£2,350
Aerial Photos (NVC survey of 12 SSSIs)	IMBOT	£300
Forth Low Tide Bird Count Digitisation		£262
Integrated rural development in southern uplands – pilot project	JANICE MORRIS	£485
Survey and monitoring of goose feeding and usage in areas around Loch Ken SPA, to include Greenland white-fronted, greylag, Canada and pink-footed geese species	Southern Uplands Partnership; Hambrey Consulting	£39,840
Distribution of Barnacle Geese within the Solway Firth 2002/03	D H Ecological Consultancy	£1,530
	D H Ecological Consultancy	£9,285

89. Research and Technical Support Strategy Projects Funded by SNH during the year to 31 March 2005
(continued)

Project Details		Budget
Project Title	Contractor	Amount Paid During 2004/05
SCM: Dumfries and Galloway (2003/04 and 2004/05)	Various contractors – The Wildlife Partnership – £1998 04/05, Highland Ecology – £5,460, D H Ecological Consultancy – £2,100	£9,558
The development of a catchment management plan for the Bladnoch cSAC	Galloway Fisheries Trust	£5,995
National Vegetation Survey of Glen App and Galloway Moors Special Protection Area/Site of Special Scientific Interest (SPA/SSSI).	Quadrat Scotland	£17,713
Red Grouse Counts within Glen App & Galloway Moors SPA	Game Conservancy Limited	£1,175
Assessing the swimming speed of Sparlings	Galloway Fisheries Trust	£5,000
Slender Green Feather moss survey – Moffat hills	Dr M E & Miss J A Newton	£1,225
Merrick and Cairnmore Habitat Survey Workshop	Macaulay Research Consultancy Services Ltd	£1,263
Mountain Hare Survey	Southern Uplands Partnership	£1,400
Trend Profiling: DEFRA MoA: CS2006 Planning	ADAS	£5,000
Trend Profiling: Scottish Trends in Vascular Plants	CEH	£4,159
Trend Profiling: Cairngorms Vascular Plants Project	McConnell Associates	£2,000
Trend Profiling: Phenology Indicators Project	CEH	£9,839
Trend Profiling: Landscape Indicators	MLURI	£7,500
Urban Audit: SNIFFER MOU: Urban Environments	SNIFFER	£5,000
(Urban Audit) Settlements Audit: SNIFFER MoA: Environmental Justice	SNIFFER	£4,255
Trend Profiling: Cairngorms National Park: Invertebrates	The Malloch Society	£1,634
Provision of Specialised Statistical Advice	Scottish Crop Research Institute	£486
Development patterns around National Parks	Land Use Consultants	£3,398
NSA pilot management strategies (Highlands)	Highland Council	£1,726
NSA Pilot Management strategies – Pilot implementation	Dumfries & Galloway Council	£16,504
The role of the natural heritage in generating and supporting employment opportunities	Environmental Resources Management	£19,405
Review of NSA pilot management strategies	Peter Scott Planning Services Ltd in association with Vyv Wood-Gee	£4,488
Modelling the impact of agricultural support and similar payments in the Scottish economy.	Managed by SEERAD	£420
Scoping review of the Social, Economic and Environmental benefits of protected areas	Hambrey Consulting	£8,225
Landscape / seascape capacity for aquaculture	Ms. Alison Grant	£19,340
Social and economic outputs of natural heritage development	Reference Economic Consultants Ltd; Highlands & Islands Enterprise; Prof Bill Slee; Berengere Charnay	£13,850
Implementing sustainable development – EU and regional policy	Partnership project with SEPA	£17,500
Natural Heritage issues relevant for the implementation of Land Management Contracts in Scotland	Macaulay Research Consultancy Services	£10,228
View from the Road – potential to manage landscape viewed from road	Rural Landscape Enrichment	£2,850
Irish Sea sectoral objectives and zoning project	Institute of Estuarine and Coastal Studies	£9,400
Freshwater pearl mussel and river habitat survey programme	Cosgrove and Hastie Associates	£27,037
Winter Gull Roost Survey (WinGS) 2003/04–2006/07	Contribution to BTO	£12,000
Counting Scottish Crossbills – Testing methods & Pilot surveys	Partnership RSPB	£7,000
Survey of aggregations of inshore waterbirds & analysis of data	Contribution to JNCC	£30,000
Breeding Hen Harrier Surveys 2004 and 2005 – Assessment for Special Protection Areas	S.Strathclyde Raptor Study Group, John Rhead, William Taylor, RSBP contrib & GCT contrib	£46,921
Pilot Study into foraging ranges of breeding red throated divers using radio-telemetry	Partnership JNCC	£10,000
Assessment of the <i>Vertigo angustior</i> population at Stonehaven	Richard Marriott	£665
Development of methods for surveying and estimating population size of Short Eared Owls	BTO Scotland	£10,635
Identification of golden eagle concentrations and high productivity areas in Scotland II – Analysis of 2003 National Survey Data	David McLeod	£900
Necropsy of leatherback turtle from Port William	SAC Veterinary Services	£1,246
Nature based Tourism Project	Activity/experience based networking research approach, so no “contractor” as such.	£30,212
Management of Highland LEADER programme	The Highland Council	£16,000
Sustainability Officer	The Highland Council	£3,880
HIPP Forestry scheme	Forestry Commission	£25,000
		£4,489,379