

○ Injurious Species Management Plan

The Landscape Development Plan will include an Injurious Species Management Plan. This plan will layout our method of injurious Weed infestation reduction. The species will address the following weeds:

- (i) Broad leafed dock.
- (ii) Curled dock.
- (iii) Spear thistle.
- (iv) Creeping thistle.
- (v) Common ragwort.
- (vi) Himalayan Balsam.
- (vii) Giant hogweed.
- (viii) Japanese knotweed.
- (ix) Oil Seed Rape.
- (x) Rosebay Willowherb.
- (xi) Rhododendron Ponticum.

I would suggest the structure of the plan should be along the lines of the following:

1. Introduction

The weeds are divided into several categories depending on their type and level of control required.

- a. Broadleaved and Curled Dock, Spear and Creeping Thistle. These are normally a problem around pastures of farming areas. They are part of the Weeds Act 1958, and are reduced through cultural control and weed control.
- b. Common Ragwort which has become prevalent about 10 years ago before a good level of control was introduced. This control is mainly by cultural control. Areas also maybe hand pulled and sprayed where there is immediate danger to horses or livestock.
- c. Himalayan Balsam requires chemical control and is relatively easily controlled.
- d. Giant Hog weed requires chemical control and is completed annually. The infected ground could take years to control, where thousands of seeds may lie dormant in the soil.
- e. Japanese Knotweed is become more difficult to control with the reduced level of chemical option that are effective. The roots may be deep and far reaching, but with constant weed control the level of infestation can be reduced.
- f. Oil seed rape is relatively controllable where it is not genetically engineering to resist the only chemicals that we have left to eradicate the infestations which normally appear with the central reserve.
- g. Rosebay Willowherb has become more prevalent within the verge but can be controlled by cultural methods and chemical weed control.
- h. Rhododendron Ponticum can also be chemical and culturally control, however care should be taken as Ponticum in some areas have been natural to the look and is typical to some particular location.

2. 2016/2017 Operations

Road Name	Section Code	Item Code	Invading Species Type	Item Identity Code	Location Description
A82	10826/70	1189274	Himalayan Balsam	N417	first layby after the Stuckgowan Hotel
A82	10866/80	1201790	HIMALAYAN BALSAM	N256	Half Mile south of Fort William
A82	10825/06	1201793	JAPANESE KNOTWEED	N257	South Entrance to Duck Bay Marina
A82	10825/96	1201794	JAPANESE KNOTWEED	N258	Roadside verge at Luss footbridge
A82	10874/25	1201800	JAPANESE KNOTWEED	N275	Invergloy
A82	10825/96	1201801	JAPANESE KNOTWEED	N276	Luss, just prior to Glen Luss Junction
A82	10866/00	1201803	JAPANESE KNOTWEED	N281	Nth of Corran Ferry
A82	10825/96	1202110	JAPANESE KNOTWEED	N331	Carn Dearg Property, Luss
A82	10836/05	1202117	JAPANESE KNOTWEED	N333	Footpath on approach to Drovers inn.
A82	10836/05	1199595	JAPANESE KNOTWEED	?	S Drovers Inn
A82	10827/39	1199662	JAPANESE KNOTWEED	?	5ml s drovers inn
A82	10827/05	1201789	JAPANESE KNOTWEED	N185	Tarbet, Smithy Garage
A82	10827/39	1202124	JAPANESE KNOTWEED	N75	Ardlui, Opposite Marina
A82	10827/39	932978	JAPANESE KNOTWEED	N338	Just before Arvorlich House B&B sign Opposite Marina should be 250yds north of waypoint
A82	10827/50	932979	JAPANESE KNOTWEED	N339	Inverarnan to 100m north Beinglas Campsite
A82	10836/05	932980	JAPANESE KNOTWEED	N340	
A82	10866/10	739207	JAPANESE KNOTWEED	N325	1st LB after the Innis Na Birlinn cemetery
A82	10827/50	1060295	JAPANESE KNOTWEED	N76	North of Ardlui
A82	10866/10	1201804	OTHER	N330	Opposite Croit Anna Hotel
A828	17040/25	932977	HIMALAYAN BALSAM	N341	North Kentallan SB in layby 15 just before Achindarroch junction.
A828	17040/25	1069019	HIMALAYAN BALSAM	N371	
A828	17020/07	1202130	JAPANESE KNOTWEED	N279	SB Approach to Barcaldine
A828	17010/33	1202132	JAPANESE KNOTWEED	N290	Benderloch NB Approach Benderloch, by culvert/barrier, parking. NB
A828	17010/33	1202133	JAPANESE KNOTWEED	N376	
A828	17030/08	1060851	JAPANESE KNOTWEED	N180	Portnacroish, Appin
A828	17020/07	932981	JAPANESE KNOTWEED	N337	S Duror
A828	17020/07	932982	JAPANESE KNOTWEED	N336	S Duror
A828	17040/00	1202121	JAPANESE KNOTWEED	N214	Duror Bridge near Cemetery
A828	17040/25	1202122	JAPANESE KNOTWEED	N244	Duror NB/SB
A828	17010/06	1436688	ROSEBAY WILLOW HERB/RAGWORT	N830	Oban Airport
A828	17010/06	1436691	ROSEBAY WILLOW HERB/RAGWORT	N816	Oban Airport
A828	17010/33	1436693	ROSEBAY WILLOW HERB/RAGWORT	N829	Benderlech
A828	17010/33	1436695	ROSEBAY WILLOW HERB/RAGWORT	N817	Past Benderlech
A828	17010/61	1436697	ROSEBAY WILLOW HERB/RAGWORT	N828	Past B845 Junction
A828	17010/61	1436699	ROSEBAY WILLOW HERB/RAGWORT	N827	Past B845 Junction
A828	17010/61	1436702	ROSEBAY WILLOW	N826	Past B845 Junction

			HERB/RAGWORT ROSEBAY WILLOW		
A828	17020/07	1436706	HERB/RAGWORT ROSEBAY WILLOW	N825	Barcaldine
A828	17020/07	1436709	HERB/RAGWORT ROSEBAY WILLOW	N818	Past Barcaldine
A828	17020/07	1436711	HERB/RAGWORT ROSEBAY WILLOW	N824	Past Barcaldine
A828	17020/60	1436713	HERB/RAGWORT ROSEBAY WILLOW	N819	Past Creagan South RA
A828	17030/38	1436715	HERB/RAGWORT ROSEBAY WILLOW	N823	Prior to Shuna Island
A828	17040/25	1436718	HERB/RAGWORT ROSEBAY WILLOW	N822	Hollytree Hotel
A828	17040/25	1436719	HERB/RAGWORT ROSEBAY WILLOW	N820	Prior to Ballachulish Bridge
A828	17040/25	1436720	HERB/RAGWORT	N821	Past Ballachulish Bridge
A83	16540/05	1202793	HIMALAYAN BALSAM	N264	Structure 160 W82 Tigh Cladich North
A83	16565/05	1202191	JAPANESE KNOTWEED	N236	Structure 240 W27 Brae Road
A83	16565/05	1202194	JAPANESE KNOTWEED	N235	Structure 240, W27 Brae Road
A83	16540/05	1202197	JAPANESE KNOTWEED	N229	Structure 140 W99 Sandhole LB
A83	16540/05	1202198	JAPANESE KNOTWEED	N239	Tigh Claddich retaining wall
A83	16530/10	1202333	JAPANESE KNOTWEED	N230	Structure 110 W40 North Cromalt
A83	16520/58	1202334	JAPANESE KNOTWEED	N234	Structure 90 W93 North Strone 2
A83	16520/85	1202336	JAPANESE KNOTWEED	N232	Near Strone
A83	16520/85	1202451	JAPANESE KNOTWEED	N233	Structure 99 Shira Old (NSS)
A83	16520/85	1202791	JAPANESE KNOTWEED	N232	Structure 100 W42 Salmon draught cot 2
A83	16530/09	1202792	JAPANESE KNOTWEED	N231	Structure 110 W40 North Cromalt
A83	16565/06	937356	JAPANESE KNOTWEED	N358	Just After Creag a'Ghuail
A83	16565/06	937357	JAPANESE KNOTWEED	N359	Just Before Brenfield Point
A83	16565/06	937358	JAPANESE KNOTWEED	N360	Brenfield Bay Cairndow, at Bus Stop near entrance to village
A83	16520/13	1060286	JAPANESE KNOTWEED	N72	
A83	16520/85	1060293	JAPANESE KNOTWEED	N74	Inveraray
A83	16512/73	848919	JAPANESE KNOTWEED	N329	Just before the junction of the A815
A83	16540/05	1060283	JAPANESE KNOTWEED	N69	Furnace to Minard
A83	16512/05	1202136	JAPANESE KNOTWEED	N187	Arrochar Bridge, at structure
A83	16512/05	1202137	JAPANESE KNOTWEED	N188	Arrochar Bay, at structure
A83	16520/13	1202138	JAPANESE KNOTWEED	N189	Glaschoine 1, at structure
A83	16520/13	1202139	JAPANESE KNOTWEED	N190	Glaschoine 2, at structure
A83	16520/27	1202140	JAPANESE KNOTWEED	N192	Clachan Beag, at structure
A83	16565/06	1202147	JAPANESE KNOTWEED	N196	Ardrihaig to Inverneill
A83	16570/53	1202153	JAPANESE KNOTWEED	N198	Tarbert, NB
A83	16570/53	1202154	JAPANESE KNOTWEED	N197	Tarbert, NB
A83	16540/71	1202156	JAPANESE KNOTWEED	N200	Port Ann
A83	16540/50	1202158	JAPANESE KNOTWEED	N201	1/4 to 1/2 Mile north of Port Ann
A83	16540/50	1202159	JAPANESE KNOTWEED	N202	South of Lochgair, NB & SB
A83	16555/36	1202160	JAPANESE KNOTWEED	N208	Ardrihaig Bus Depot North, at structure

A83	16512/05	1202161	JAPANESE KNOTWEED	N215	Ardgartan
A83	16575/48	1202162	JAPANESE KNOTWEED	N218	Corranbuie, PA296YF (south of Tarbert)
A83	16555/36	1202163	JAPANESE KNOTWEED	N219	Structure 230 W51 Ardrishaig
A83	16565/05	1202164	JAPANESE KNOTWEED	N220	Structure 240 W65 Karonga, Ardrishaig
A83	16555/06	1202172	JAPANESE KNOTWEED	N221	Structure 220 W62
A83	16540/50	1202173	JAPANESE KNOTWEED	N222	Structure 200 C0 Lochgair Schoolhouse
A83	16540/05	1202175	JAPANESE KNOTWEED	N228	Structure 150 Sandhole
A83	16540/05	1202176	JAPANESE KNOTWEED	N227	Structure 160 Whitebridge
A83	16540/05	1202178	JAPANESE KNOTWEED	N226	Structure 160 W67 Woodside LB
A83	16540/05	1202179	JAPANESE KNOTWEED	N225	Structure 160 W80 The Haven Layby
A83	16540/05	1202180	JAPANESE KNOTWEED	N224	Structure W82 Tigh Cladich North
A83	16540/05	1202181	JAPANESE KNOTWEED	N223	Structure 160 W86 Tigh Cladich S LB
A83	16565/66	1069047	JAPANESE KNOTWEED	N374	16565/66
A83	16520/58	1164332	JAPANESE KNOTWEED	N385	SB Achnatra
A83	16540/23	1202795	JAPANESE KNOTWEED	N259	1 Mile South of Minard, NB & SB
A83	16530/75	1202796	JAPANESE KNOTWEED	N260	1100m North of Furnace
A83	16520/05	1202797	JAPANESE KNOTWEED	N288	Opposite Northern Cairndow Junc.
A83	16555/05	1202798	JAPANESE KNOTWEED	N291	Structure 220 W52 Brackley North
A83	16555/06	1202799	JAPANESE KNOTWEED	N292	Structure 220 W53 Brackley Park
A83	16540/05	1202800	JAPANESE KNOTWEED	N293	Structure 160 W80 The Haven LB
A83	16555/36	1202925	JAPANESE KNOTWEED	N294	Structure 220 W78 The Waster
A83	16555/36	1202991	JAPANESE KNOTWEED	N295	Structure 220 W90 Tambora
A83	16555/36	1202992	JAPANESE KNOTWEED	N296	Structure 220 W92 Towpath Cottage B
A83	16565/05	1202993	JAPANESE KNOTWEED	N297	Structure 240 W61 Sea View LB
A83	16540/05	1202994	JAPANESE KNOTWEED	N298	Structure 160 W82 Tigh Cladich North
A83	16565/06	1202995	JAPANESE KNOTWEED	N299	Structure 260 W5 Tigh-na-coille LB
A83	16565/06	1202997	JAPANESE KNOTWEED	N300	Structure 260 W44 Brenfield
A83	16565/06	1202998	JAPANESE KNOTWEED	N301	Structure 260 C0 Ardfenaig New
A83	16565/36	1203001	JAPANESE KNOTWEED	N302	Structure 290 W82 Artilligan North 3
A83	16565/51	1203002	JAPANESE KNOTWEED	N303	Structure 330 Erines
A83	16565/66	1203003	JAPANESE KNOTWEED	N304	Structure 350 Meall Mhor
A83	16565/66	1203004	JAPANESE KNOTWEED	N305	Structure 350 W1 Sloc Nam Fearna
A83	16520/13	1203005	JAPANESE KNOTWEED	N308	Structure 70 W83 Upper Glaschoine STH
A83	16520/27	1203006	JAPANESE KNOTWEED	N309	Structure 90 W6 Cuil House North
A83	16520/27	1203007	JAPANESE KNOTWEED	N310	Structure 90 W13 Ardgenavan N 1 LB
A83	16520/13	1203008	JAPANESE KNOTWEED	N306	Structure 70 W83 Upper Glaschoine STH
A83	16520/13	1203009	JAPANESE KNOTWEED	N307	Structure 70 W85 Glaschoine Landward
A83	16520/27	1203010	JAPANESE KNOTWEED	N311	Structure 90 W15 Ardgenavan N 2 LB
A83	16520/27	1203011	JAPANESE KNOTWEED	N312	Structure 90 W16 Ardgenavan LB
A83	16520/27	1203012	JAPANESE KNOTWEED	N313	Structure 90 W17 Ardgenavan S 1 LB
A83	16520/27	1203014	JAPANESE KNOTWEED	N314	Structure 90 W45 East Dunderave 1 LB
A83	16520/27	1203015	JAPANESE KNOTWEED	N73	Loch Fyne Oysters to Dunderave
A83	16520/27	1203016	JAPANESE KNOTWEED	N315	Structure 90 W46 East Dunderave 2 LB
A83	16520/27	1203017	JAPANESE KNOTWEED	N316	Structure 90 W47 East Dunderave 3 LB
A83	16530/10	1203019	JAPANESE KNOTWEED	N318	Structure 110 W42 South Cromalt
A83	16540/05	1203037	JAPANESE KNOTWEED	N317	Structure 160 W86 Tigh Cladich S LB

A83	16540/05	1203038	JAPANESE KNOTWEED	N322	Tigh Claddich, North of Minard
A83	16540/90	1202187	GIANT HOGWEED	N238	From Roundabout at kilmory Ind.est to Lochgilphead
A83	16540/05	1060284	GIANT HOGWEED	N70	Minard
A83	16560/05	1060285	GIANT HOGWEED	N71	Ardrishaig
A83	16540/90	1064349	GIANT HOGWEED	N199	After last RA leaving Lochgilphead Crarae Gardens, on bend opposite chevron sign.
A83	16540/05	1069009	GIANT HOGWEED	N368	
A83	16501/05	1202794	HORSETAIL	N245	Junction with B838 at Cadet Centre
A830	17202/05	1203039	JAPANESE KNOTWEED	N191	Fassfern Bridge, at structure
A835	18012/05	1164333	JAPANESE KNOTWEED	N384	NB Pottery place - Lochbroom animal feeds
A835	18012/05	1164334	JAPANESE KNOTWEED	N384	SB Lochbroom animal feeds - Pottery place
A835	18012/05	1178819	JAPANESE KNOTWEED	N274	Inverbroom Area 3
A835	18012/05	1178820	JAPANESE KNOTWEED	N272	Inverbroom Area 1
A835	18012/05	1178842	JAPANESE KNOTWEED	N273	Inverbroom Area 2
A835	18012/05	1182897	JAPANESE KNOTWEED	N415	NB First layby after A832 junction (18012/05) A835
A84	16225/63	1060662	JAPANESE KNOTWEED	N363	1st Layby North of Strathyre
A84	16225/51	937359	JAPANESE KNOTWEED	N361	SB entrance to Strathyre
A84	16225/51	1203040	JAPANESE KNOTWEED	N209	Strathyre, Opposite first junction
A84	16225/51	1203041	JAPANESE KNOTWEED	N210	Opposite Layby 1 Mile South of Strathyre
A84	16210/10	1436389	ROSEBAY WILLOW HERB/RAGWORT	N843	Past Craigforth West Roundabout
A84	16213/06	1436390	ROSEBAY WILLOW HERB/RAGWORT	N845	Doune
A84	16210/55	1436391	ROSEBAY WILLOW HERB/RAGWORT	N844	A873 Junction
A84	16213/45	1436392	ROSEBAY WILLOW HERB/RAGWORT	N846	Wester Coillechat Road
A84	16213/45	1436518	ROSEBAY WILLOW HERB/RAGWORT	N847	Cambusbeg Farm Road
A84	16213/74	1436519	ROSEBAY WILLOW HERB/RAGWORT	N848	Cambusbeg Farm Road
A84	16213/74	1436520	ROSEBAY WILLOW HERB/RAGWORT	N849	Cambusbeg Farm Road
A84	16225/14	1436521	ROSEBAY WILLOW HERB/RAGWORT	N850	Past Callander
A84	16225/14	1436522	ROSEBAY WILLOW HERB/RAGWORT	N851	Coireachrombie
A84	16225/27	1436523	ROSEBAY WILLOW HERB/RAGWORT	N852	Coireachrombie
A84	16225/27	1436524	ROSEBAY WILLOW HERB/RAGWORT	N853	Coireachrombie
A85	11920/80	1185339	HERB/RAGWORT	N416	Connel Wall 1 660W21 Structure
A85	11920/65	935107	HIMALAYAN BALSAM	N350	Approach to Taynuilt
A85	11920/80	1016598	JAPANESE KNOTWEED	N270	From School Layby to entrance to Scotholm B&B
A85	11930/05	1060298	JAPANESE KNOTWEED	N77	Connel, on the water side
A85	13910/91	1060299	JAPANESE KNOTWEED	N78	Gilmerton at the 300 countdown.
A85	13930/05	1182878	JAPANESE KNOTWEED	N414	NB Lochside opposite Dalkenneth

A85	11930/56	1069049	JAPANESE KNOTWEED	N375	Oban Cemetry
A85	13920/70	1203042	JAPANESE KNOTWEED	N193	Carse of Trowan, approach to Comrie
A85	11920/65	1203043	JAPANESE KNOTWEED	N195	Dainamac West of Taynuilt
A85	13925/58	1203044	JAPANESE KNOTWEED	N216	St Fillans
A85	11920/65	1203045	JAPANESE KNOTWEED	N269	Approach to Taynuilt
A85	11920/80	1203046	JAPANESE KNOTWEED	N262	Before Connel Bridge Overpass
A85	11920/80	1203047	JAPANESE KNOTWEED	N263	Connel Jetty
A87	17425/30	1164325	COMMON RAGWORT	N379	NB Breakish Embankment
A87	17425/30	1164327	COMMON RAGWORT	N379	SB Breakish embankment There should be red sign(s) on verge near location
A87	17410/40	1016604	JAPANESE KNOTWEED	N65	
A87	17430/05	1060279	JAPANESE KNOTWEED	N64	Broadford
A87	17435/15	1060280	JAPANESE KNOTWEED	N66	SB Directly after Broadford Bridge
A87	17440/15	1060281	JAPANESE KNOTWEED	N67	Approach to Broadford opp Layby
A87	17425/30	1060282	JAPANESE KNOTWEED	N68	Ashaig/Breakish
A87	17445/05	1170591	PONTICUM RHODODENDRON	?	Ashaig
A87	17445/45	1170894	PONTICUM	?	N Ashaig
A9	10445/10	1164330	COMMON RAGWORT	N383	NB Aviemore area
A9	10445/10	1164331	COMMON RAGWORT	N383	SB Aviemore are
A9	10485/40	937354	HIMALAYAN BALSAM	N357	Adjacent to north carriageway, Lothmore
A9	10434/25	937355	HIMALAYAN BALSAM	N324	North of Dunkeld Jubilee Bridge
A9	10432/07	932976	HIMALAYAN BALSAM	N343	Cycle Path Just before the river Almond
A9	10432/00	740092	HIMALAYAN BALSAM	N326	North of Inveralmond RA
A9	10432/82	937351	JAPANESE KNOTWEED	N356	Near Birnam Station
A9	10434/00	937352	JAPANESE KNOTWEED	N354	At the Braan Bridge
A9	10434/25	937353	JAPANESE KNOTWEED	N355	1.4 Miles from Jubilee Bridge
A9	10432/00	1435809	ROSEBAY WILLOW		
A9	10432/00	1435809	HERB/RAGWORT	N854	Past Inveralmond Rounabout
A9	10432/25	1435810	ROSEBAY WILLOW		
A9	10432/25	1435810	HERB/RAGWORT	N855	NB Luncarty Junction
A9	10432/25	1435811	ROSEBAY WILLOW		
A9	10432/25	1435811	HERB/RAGWORT	N878	SB Prior to Stanley Junction
A9	10432/60	1435812	ROSEBAY WILLOW		
A9	10432/60	1435812	HERB/RAGWORT	N856	Bankfoot NB
A9	10432/60	1435813	ROSEBAY WILLOW		
A9	10432/60	1435813	HERB/RAGWORT	N877	Bankfoot SB
A9	10432/60	1435814	ROSEBAY WILLOW		
A9	10432/60	1435814	HERB/RAGWORT	N857	NB Bankfoot
A9	10432/60	1435815	ROSEBAY WILLOW		
A9	10432/60	1435815	HERB/RAGWORT	N858	NB Bankfoot
A9	10432/82	1435816	ROSEBAY WILLOW		
A9	10432/82	1435816	HERB/RAGWORT	N859	NB End of Dual Carriageway to A923
A9	10434/25	1435817	ROSEBAY WILLOW		
A9	10434/25	1435817	HERB/RAGWORT	N876	SB B898 Junction
A9	10434/25	1435818	ROSEBAY WILLOW		
A9	10434/25	1435818	HERB/RAGWORT	N860	NB B898 Junction
A9	10434/25	1435819	ROSEBAY WILLOW	N875	B898 Junction SB

			HERB/RAGWORT ROSEBAY WILLOW		
A9	10434/25	1435820	HERB/RAGWORT ROSEBAY WILLOW	N861	NB Prior to Guay Junction
A9	10434/68	1435821	HERB/RAGWORT ROSEBAY WILLOW	N874	SB Guay Junction
A9	10434/68	1435822	HERB/RAGWORT ROSEBAY WILLOW	N873	SB Past Ballinluig
A9	10434/68	1435823	HERB/RAGWORT ROSEBAY WILLOW	N862	NB Prior to Ballinluig
A9	10440/10	1435824	HERB/RAGWORT ROSEBAY WILLOW	N872	SB Faskally
A9	10440/10	1435825	HERB/RAGWORT ROSEBAY WILLOW	N871	Faskally
A9	10440/09	1435841	HERB/RAGWORT ROSEBAY WILLOW	N863	NB Faskally
A9	10440/09	1435842	HERB/RAGWORT ROSEBAY WILLOW	N864	NB Faskally
A9	10440/15	1435843	HERB/RAGWORT ROSEBAY WILLOW	N865	NB Blair Atholl
A9	10440/15	1435844	HERB/RAGWORT ROSEBAY WILLOW	N870	SB Blair Atholl
A9	10440/35	1435845	HERB/RAGWORT ROSEBAY WILLOW	N866	NB Blair Atholl
A9	10440/35	1435846	HERB/RAGWORT ROSEBAY WILLOW	N867	SB Blair Atholl
A9	10440/35	1435847	HERB/RAGWORT ROSEBAY WILLOW	N868	SB Bair Atholl
A9	10440/35	1435848	HERB/RAGWORT	N869	SB Blair Atholl

3. 2017/2018 Operations

Works are planned for the A9 Blair Atholl to Inverness, A835, A830, A86, A83. These routes are proposed for 2017 season.

4. 2017/2018 Target

Our target is to reduce the level of infestation at the beginning of the contract. This reduction would expect to be specific to species and location. The average reduction across the species would be approximately 10% but will take many years for Giant Hogweed, Japanese Knotweed and some rosebay willow herb locations.

It is not until the following season can the effectiveness be accurately be predicted, until it regrows.

The contract asks for a proposed target for reducing infestations during the next annual period – I am not sure what this means. Can we say something about reducing the number of infestations by 10% to 20%? Again you might want extend this over a longer period to tie in with your philosophy set out in the introduction

The reduction is difficult to predict as is affected by weather, poor choose of effective chemicals and may well die back but be just as strong 2 -3 years later.

Spraying Principle of Operation.

Weed Type	Type of treatment	Proposed Treatment dates	Proposed Treatment dates	Proposed Treatment dates
Japanese Knotweed Verge and Sightline	Herbicide	Late May, Early June	Late June/Early July	Late July/Early August
Japanese Knotweed Remote Locations	Herbicide			Late August/September
Giant Hogweed	Herbicide			Late May/Early June
Rosebay willowherb	Herbicide			Late August
Himalyan Balsam	Herbicide			Late August
Ragwort	Herbicide/Cultural			Late August/September

Noxious Weed Locations.

There was no noxious weed locations made available for the 4G contract, all sites are being recorded to establish a database in IRIS. This database will increase annually as more sites are reported before through effective treatment the locations start to reduce.

Methods of reporting back to the database.

1. From Inspectors.
2. From the Annual Noxious weed Inspection.
3. From 3rd Party notification.

These locations are recorded for treatment in the above locations and will report back the effectiveness of the previous years.

Weed Control

- 1.1.1 Appendix 30/2 of the 4th Generation Contract, which references Clause 3002 of the Specification for Highway Works, defines the requirements in respect of Weed Control on the trunk road network. It requires that weed control programmes shall be implemented to ensure a reduction year on year in occurrences and extents throughout each successive year.
- 1.1.2 Weed control was carried out through development of an overall programme for the unit. The programme was developed to begin at such time as weed growth develops on the network. This is based upon experience gained over previous years as to the most effective timing for the treatment. However, it is always accepted that the optimum treatment time is dependent upon seasonal variation to the peak growth periods, and that treatment will not necessarily be entirely successful in eradicating all weed growth on the network. During such circumstances repeat treatments may be programmed as necessary.
- 1.1.3 The plan will take into account the Pesticide Reduction Plan. The hardstanding areas within the network do not reduce in size or quantity, therefore chemical usage will not vary substantially from year to year, and substantial variations will only occur due to the number of applications within the respective year.
- 1.1.4 Treatments were carried out in line with this programme as follows:

Treatment	Date	Comments
A9 Perth to Inverness Dual Carraigeways.		
1	26 – 27 May	Successful
2	04 – 05 July	Successful
3	20-21 September	Successful
A9 ,A82, A83, A84, A85, A86, A87 ,A877, A828, A877, A977 Villages Kerbs and Paths		
1	1 – 3 June	Successful
2	08 – 09 July	Successful
3	23-24 September	Minor Areas of Regrowth
Targeted Noxious Weeds		
1	23 – 30th May	Successful – Giant Hogweed All Routes.
2	15 – 30th July	Successful – Japanese Knotweed, Himaylan Balsam. All Routes.
3	Prior to every low	

4	frequency. A83,A835,A9 1-20 September	Successful – Ragwort, Successful – Japanese Knotweed.
---	--	--